

UNLV
Graduate
Catalog
2020-2021

Welcome Letters from President and Provost

Welcome, and thank you for choosing UNLV for your graduate studies. At UNLV, you will discover a culture of innovation where students gain real world experiences and make an impact in our community and beyond. As you learn more about UNLV, I believe you'll find we offer the opportunities you seek – to challenge yourself, to gain new skills, and to build knowledge in a collaborative educational environment second to none.

As a thriving Carnegie R1 research university, UNLV is committed to excellence in research, scholarship and creative activities, student achievement, and community partnerships. Our university reflects the audacity and entrepreneurialism found in Las Vegas – a bold and innovative city like no other in the world.

As a graduate student at UNLV, you will work with world class faculty and students at the top of their game, and industry and nonprofit partners committed to your success. With more than 150 graduate programs to choose from, UNLV offers you a path to reach your personal and professional goals.

Whether you want to advance professionally, pursue an academic passion, develop your talent, or engage in high-impact research, UNLV is dedicated to delivering an outstanding educational experience. I look forward to welcoming you to our thriving community and being your partner for the next stage your educational journey.

Sincerely,

Keith E. Whitfield, Ph.D.
President

Welcome to the UNLV Graduate College. Whether you are a continuing student or new to the campus, I encourage you to explore the opportunities and experiences our university has to offer. Graduate school is a special time of intense learning and a time to further develop your intellectual passion.

UNLV is designated an R1 “very high research activity” Carnegie Classification of Institutions of Higher Education. This represents the gold standard for university research, which puts UNLV in the top 3 percent of higher education institutions in the country. As graduate students, you are a key aspect of our research success. You are making the transition from being a learner to being a creator of knowledge; it is a chance for you to add to what is known and to personally enrich humanity through your efforts.

As a comprehensive campus with many doctoral programs, more than 30,000 students, and a medical school, a dental school, and a law school, the possibilities of what you can do during your time at UNLV are practically endless. Add to our climate of innovation by producing high-quality, widely disseminated, and influential research, scholarship, and creative activities.

I look forward to seeing you in person when this pandemic is over, and I wish you all the best with your academic pursuits.

Warm wishes,

Chris Heavey, Ph.D.
Interim Executive Vice President and Provost

Table of Contents

1	Welcome Letters from President and Provost	475	School of Public Health
3	Graduate Student Handbook	475	Environmental and Occupational Health
86	Lee Business School	495	Health Care Administration and Policy
	86 Accounting	502	School of Dental Medicine
	90 Business Administration Programs	512	School of Medicine
	109 Economics	523	School of Nursing
	116 Finance	550	William F. Harrah College of Hospitality
	119 Management Entrepreneurship and Technology	566	William S. Boyd School of Law
	131 Marketing and International Business	577	College of Liberal Arts
133	College of Education	578	Anthropology
	133 Counselor Education, School Psychology, and Human Services	589	English
	147 Early Childhood, Multilingual, and Special Education	610	History
	174 Educational Psychology and Higher Education	656	Philosophy
	212 Teaching and Learning	657	Political Science
249	Howard R. Hughes College of Engineering	673	Psychology
	250 Civil and Environmental Engineering and Construction	692	Sociology
	272 Computer Science	703	Interdisciplinary Gender and Ethnic Studies
	288 Electrical and Computer Engineering	705	World Languages and Cultures
	337 Mechanical Engineering	711	College of Sciences
368	College of Fine Arts	711	Chemistry and Biochemistry
	368 Architecture	725	Geoscience
	381 Art	733	School of Life Sciences
	386 Film	745	Mathematical Sciences
	389 School of Music	765	Physics and Astronomy
	428 Theatre	774	Water Resources Management
439	Division of Health Sciences	777	Greenspun College of Urban Affairs
		777	Communication Studies
		782	Criminal Justice
		792	Journalism and Media Studies
		795	School of Public Policy and Leadership
		812	School of Social Work
		822	Interdisciplinary Programs

Graduate Student Handbook

February 2021

Table of Contents

Greetings from the Dean of the Graduate College 8

About the Graduate Catalog..... 9

Disclaimer..... 9

Supplemental Resources 9

Program Handbooks..... 9

UNLV Degrees Directory 10

Inquiries..... 10

About the Graduate College..... 10

Our Academic Context: UNLV and NSHE 10

History of the Graduate College 10

The Organizational Structure of the Graduate College 10

Our Vision and Mission.....11

Our Guiding Principles and Core Values11

The Graduate College Brand Statement 12

Graduate College Location: 2nd Floor of the University Gateway Building..... 12

Graduate College Contact Information 21

Appointments and Tours with Graduate College Team Members..... 13

Visit Us 13

Graduate College Strategic Goals..... 13

Equal Opportunity..... 13

Accreditation information..... 14

Academic Program Accreditations..... 14

UNLV Office of Postdoctoral Scholars 15

What is a Postdoctoral Scholar? 15

The Division of Research..... 15

Stay Connected and Informed..... 15

Other Ways to Stay Connected 16

Online Surveys, Annual Individual Development Plans, and Exit Survey 16

Family Educational Rights and Privacy Act (FERPA) . 36

FERPA Protections 16

Calendars 17

Academic Calendar Fall 2020-Summer 2021..... 17

Fall 2020..... 17

Spring 2021 18

Summer 2021 Session I 19

Summer 2021 Session II 20

Summer 2021 Session III 20

Office of the Registrar and Schedules..... 21

UNLV Calendars..... 21

Sports 21

Fine Arts Performances 21

Graduate College 21

The Grad Academy..... 21

Library..... 21

Student Governance 21

Graduate & Professional Student Association (GPSA) 21

GPSA Research and Travel Sponsorship..... 21

Graduate & Professional Student Research Forum 21

Other GPSA Funding Opportunities and Resources 22

The GPSA Council..... 22

Student Organizations 22

Faculty governance..... 22

The Graduate Council 22

Graduate Council Committees 22

Graduate College Committees 23

The Graduate Faculty..... 23

The Role of Graduate Faculty 23

Graduate Faculty Rights and Responsibilities..... 23

Graduate Coordinator..... 23

Broad-Ranging Responsibilities to Graduate Students, Faculty, and Programs..... 23

Graduate Syllabi Policies..... 24

Graduate Faculty Status (GFS) 24

GFS Privileges Table 25

Information About the Graduate Curriculum 26

Graduate School Experience..... 26

Curricular Terminology..... 26

Types Of Graduate Experiences - Academic Program Offerings..... 26

Academic Degree Program Types..... 27

Program Track Options..... 27

Accelerated Degree Programs 27

Traditional Master's and Executive Master's Programs 27

Bachelor's-to-Doctoral Programs	27	FAFSA and Alternate Need Determination Form.....	34
Post-Master's Doctoral Programs	27	Federal Loan Programs.....	34
Credential Types.....	28	Unsubsidized Loans	34
Professional Master's Programs	28	Graduate PLUS Loans	34
Research Master's Programs.....	28	On-Campus Employment	34
Professional Doctoral Programs.....	28	Job Location and Development.....	34
Research Doctoral Programs	28	Federal Work Study.....	34
Artist Diploma Programs.....	28	Graduate Financial Services	34
Educational Specialist (Ed.S.) Programs.....	28	Recruitment Awards	34
Simultaneous Enrollment In Multiple Graduate Programs/ Certificates.....	28	Emergency Retention Grants	34
Dual Degree Programs.....	28	Graduate Access Scholarships.....	35
Concurrent Degrees	29	Graduate Award Opportunities	35
Graduate Certificates for Graduate Minors (Post- Bachelor's and Post-Master's)	29	Council of Graduate Schools (CGS) Award.....	35
Interdisciplinary Graduate Programs (IDGPs).....	29	The Grad Academy Professional Development Scholarships.....	36
Non-degree-seeking Status.....	29	Other Funding Opportunities	36
Graduate Students In Undergraduate-Level Courses ..	29	Graduate Assistantship (Ga) Program	36
Academic Certificate and Degree Programs.....	30	Graduate Assistantships.....	36
Degree Programs	30	GA Recruitment	37
Academic Certificate Programs	30	Minimum GA Packages	37
Time-to-Degree: Timelines for Completing Degrees and Certificates.....	31	Stipends.....	37
Graduate Financial Services	31	Resources and Related Links.....	38
Financial Information	31	Scholarships and Fellowships.....	38
Tuition and Fees.....	31	Admission and Matriculation Info.....	38
Graduate Tuition and Fees.....	31	About Graduate Admissions	38
Policy and Fee Information.....	31	Statement of Commitment to the Recruitment of Diverse Students at UNLV	39
Student Fees and Charges.....	31	Title IX Statement	39
Student Health Fee and CAPS - Counseling and Psychological Services Fee.....	32	Overview of the Admissions Process	39
Grant-in-Aid	32	Graduate Non-Degree-Seeking Information.....	39
Delinquent Accounts.....	32	Graduate Non-Degree-Seeking Status.....	39
Deferred Payment Option.....	32	Graduate Non-Degree-Seeking Application Process ...	39
Refund of Fees	33	Graduate Non-Degree-Seeking Enrollment.....	40
Room and Board Refund.....	33	Graduate Degree- and Certificate-Seeking Application Information	40
Tuition and Fee Appeals.....	33	Graduate College Admissions Standards.....	40
Tuition, Fees, And Financial Aid	33	Degree- and Certificate-Seeking Application Deadlines... 40	
Grad Student Health Insurance Information	33	Graduate Degree- and Certificate-Seeking Admissions Requirements	40
Mandatory Graduate and Professional Student Health Insurance.....	33	Submission of Admission Materials.....	42

Departmental Degree- and Certificate-Seeking Admissions Requirements.....	42
Admissions Requirements and Procedures for International Students.....	42
New International Graduate Student Admissions Requirements	42
Enrollment Policy for International Students.....	42
Admission Status and Classification of Students... 43	
Full Graduate Standing.....	43
Provisional Graduate Standing.....	43
Conditional Admission	43
Admissions Policies (Listed Alphabetically)	44
Admission Acceptance	44
Application Fraud and Revocation of Admission	44
Change of Program, Plan, or Subplan.....	44
Deferrals.....	44
Enrollment in Terms of Admission	44
Immunization Records.....	44
Incomplete Applications.....	44
Nevada Residency for Tuition Purposes	44
Readmission to the Graduate College.....	45
Rebelmail.....	45
Transfer Credit Policy	45
Withdrawal of Application/Admission.....	46
Registration, Enrollment and Curricular Policies (Listed Alphabetically)	46
Adding or Dropping Classes.....	46
Cancellation of Registration.....	47
Combined/Cross-listed Sections	47
Cross-listed Sections.....	47
Same-as Courses.....	47
Combined	48
Cross Schedule	48
Course Credit Expiration	48
Course Repeat Policy.....	48
Credit by Examination	48
Credit Load Limitations.....	48
Enrollment Verification.....	48
Full- and Part-Time Enrollment.....	48
Grade Point Average	48
Graduate-Level Grades.....	49

Incomplete Grades or “I”.....	49
Graduate Students Taking Undergraduate-Level Courses	49
Graduate Credit.....	49
Office of the Registrar and Schedules.....	50
Pass/Fail Grades	50
Transcripts of Credit	50
Undergraduates Taking Graduate-Level Courses	50
Unit of Credit.....	50
The Graduate Student Lifecycle.....	50
Graduate Student Success Through the Graduate Lifecycle.....	50
Retention, Progression, & Completion (RPC) Team.....	50
The Grad Academy: Innovative Leadership, Professional, and Career Development	51
Graduate College Co-Curricular Certifications	51
Grad Rebel Programs.....	51
Early-Career Students.....	52
Initial Steps for New Graduate Students	52
Progression, Forms, and Milestones	52
Engagement Opportunities.....	52
Mid-Career Students	52
Successful Student Progression.....	52
Forms and Milestones	52
Engagement Opportunities.....	53
Late-Career Students	53
Successful Student Progression.....	53
Forms and Milestones	53
Engagement Opportunities.....	54
Applying for Graduation.....	54
Granting of Degrees	54
Commencement	54
Certificate Completion Procedures.....	54
Graduate Student Advisory Committees	55
Advisor.....	55
What is a Graduate Advisory Committee (GAC)?	55
Graduate Advisory Committee Composition and Guidelines.....	55
Changes to the Graduate Advisory Committee (GAC) .	57

Progression and Completion Policies (Listed Alphabetically)	57
Academic Standing.....	57
Annual Mandatory Individual Development Plan and Procedures.....	57
Appeals and Procedures.....	57
Appeals Regarding Financial Issues.....	58
Continuous Enrollment.....	58
Credit Toward Degree.....	58
Enrollment and Milestones.....	58
Grade Changes.....	58
Leaves of Absence.....	59
Mandatory Student Health Insurance.....	59
Probation and Separation.....	59
Catalog Year for Program Requirements.....	60
Resident Credit Requirement.....	60
Time-to-Degree (TTD) Recommended Guidelines.....	60
Student Forms	61
Required Student Forms (in alphabetical order).....	61
Additional Student Forms (in alphabetical order).....	62
Departmental Forms.....	62
Forms Located Outside of the Grad Rebel Gateway....	62
Maintaining Good Academic Standing	63
Definition of Good Academic Standing.....	63
Academic Integrity.....	63
Nonacademic Advising.....	63
Student Issues and Appeals.....	63
Probation and Separation.....	64
Milestone Examinations and Culminating Experience Requirements	64
Milestone Exams.....	64
Culminating Experience Requirements.....	65
Exams.....	65
Professional or Scholarly Papers or Projects.....	65
Prospectus Approval and Advancement to Candidacy for Master's Thesis and Doctoral Students.....	65
Thesis Guidelines.....	65
Dissertation Guidelines.....	66
Traditional vs. Three-Article Dissertation.....	66
Minimum Requirements of the Three-Article Publication Status.....	66

Three-Article Dissertation Sections/Chapters.....	66
Co-Authorship.....	67
Master's Thesis and Doctoral Dissertation/ Project Oral Defense Requirements	67
Defense Announcements.....	67
Final Oral Defense Guidelines for Master's and Doctoral Programs.....	67
Thesis and Dissertation Defense Format.....	67
Enrollment Requirements during Thesis/Dissertation Progress.....	68
Master's Thesis, Doctoral Dissertation, and Doctoral Projects.....	68
Formatting and Style.....	69
iThenticate Requirements.....	69
ProQuest, Digital Scholarship, and Embargo Requirements.....	69
Policies	70
Student Policies.....	70
UNLV Student Conduct Code.....	70
Student Conduct Policy and Processes.....	70
Student Conduct Forms.....	70
Student Conduct Hearing Board.....	70
Policy Against Discrimination and Sexual Harassment and Complaint Procedures:.....	71
Office of Compliance and Title IX.....	71
Title IX Statement.....	71
UNLV Student Computer Use Policy.....	71
Dangerous Weapons Policy.....	72
Animal Policy.....	72
Alcoholic Beverages.....	72
Controlled Substance Response Policy.....	72
Use of Automobiles and Parking.....	72
Use of University Facilities.....	72
Scheduling University and Facilities and Related Policy Forums and Free Expression.....	72
Fundraising.....	73
Handbills and Posters.....	73
Smoking Policy.....	73
Housing and Residential Life.....	73
Family Educational Rights and Privacy Act of 1974 (FERPA).....	73
Campus Security Authority Role.....	74

Nevada System of Higher Education (NSHE) Code.....	74
Nevada System of Higher Education.....	74
Safety and Emergency Information	74
Student Use of Hazardous Materials.....	74
Policies and Procedures on the Protection of Research Subjects.....	74
Safety and Emergency on Campus.....	75
Helpful Links	75
Graduate Student Resources: Leadership, Professional, and Career Development.....	76
Services for Graduate Students	76
The Grad Academy.....	76
Pillars of Leadership, Professional, and Career Development	76
Graduate College Co-Curricular Certifications	77
Grad Rebel Programs.....	77
Events.....	77
Signature Events	77
Fall.....	77
Spring	78
Graduate Student Events	78
Professional Development Resources and Opportunities Across Campus	78
Graduate Student Wellness: Physical, Mental, Emotional, and Financial Well-Being.....	79
Graduate Student Wellness.....	79
UNLV Resources for Physical, Mental, and Emotional Well-being.....	79
Resources for Financial Well-being.....	80
Campus Resources and Contacts For Graduate Students	81
Housing	85
Student Housing	85
Transportation and Parking Services	85

Greetings From The Dean Of The Graduate College

Kate Hausbeck Korgan, Ph.D.

Welcome to the Graduate College at the University of Nevada, Las Vegas! I am pleased to invite you to explore our Graduate Catalog to familiarize yourself with the stellar graduate programs we offer and to review policies, practices, and program requirements. I also encourage you to peruse our website to better understand the breadth and depth of the services that we provide to prospective students, current students, postdocs, graduate faculty, alumni, and donors.

UNLV's more than 175 graduate programs offer outstanding quality and opportunity. At UNLV, graduate students are able to work closely with world-class graduate faculty who are conducting research and engaging in scholarly and creative activities to improve the well-being of our community and state, and positively impact our nation and the world. We pride ourselves on cultivating a diverse campus culture that promotes graduate faculty excellence, graduate program quality, and stellar support for our graduate students. A key part of the graduate educational experience is our students' involvement in the cutting-edge research, innovative scholarly endeavors, and inspired creative activities, as well as opportunities for free research-informed professional and career development based on current best practices.

Graduate education is most exciting and impactful when academic and scholarly experiences are supplemented with leadership, professional, and career development opportunities and support systems that promote student wellness. The Grad Academy offers in-person and online workshops, trainings, writing boot camps, cohort-based programs, and professional development certifications in the areas of: entrepreneurship and leadership; research; teaching; mentorship; communications; financial and personal wellness; career readiness and transferable skills; and more. I encourage new and current students to take advantage of these opportunities to engage with students from other disciplines all across campus while enjoying a well-rounded experience that helps prepare you for academic and professional success.

UNLV is classified by The Carnegie Classification of Institutions of Higher Education as an R1 university, Highest Research Activity, Comprehensive Doctoral Institution with Medical School. Recognized as a Minority Serving Institution (MSI) by the U.S. Department of Education, UNLV has a diverse student population of more than 30,000 students, of whom more than 5,000 are graduate and professional student scholars, and more than 1,000 are funded as graduate assistants. Our community of scholars is supported by more than 3,300 faculty and staff, including approximately 1,300 graduate faculty members, whose research, scholarship, creative and innovative activities, leadership, and teaching create a vibrant and exciting center of learning. One of the fastest-growing and most enterprising metropolitan areas in the country, Las

Vegas is truly a unique laboratory for graduate study, and Southern Nevada provides extraordinary opportunities for engaged research, entertainment, outdoor activities, and an overall high quality of life. With an affordable cost of living and no state income tax, Nevada is an excellent place for graduate study.

The Graduate College's core values are excellence, equity, innovation, diversity, accountability, adaptability, and impact. We are committed to providing outstanding service and support so that our diverse population of graduate students enjoy a high-quality academic experience in an inclusive and collegial environment where personal growth, professional advancement, student success, equity, and justice are our foundational principles. I invite you to engage with us in the Grad Rebel Gateway, read our weekly newsletter to keep abreast of workshops, events, deadlines, and important campus news, and be an engaged member of our UNLV graduate community. And, most importantly, know that you belong here and we welcome you to our community of graduate scholars.

All my best,

Kathryn Hausbeck Korgan, Ph.D.

Dean, UNLV Graduate College

About The Graduate Catalog

The Graduate Catalog is the official repository of graduate program admissions and degree requirements, graduate program handbooks, and major Graduate College student policies and procedures. The Graduate Catalog is updated annually and the new Graduate Catalog is published each summer for the following academic year.

This Graduate Catalog is divided into two broad sections: the Graduate Student Handbook (this publication), and the Academic Catalog. The policy, process, and information section of the annual Graduate Catalog is known as the **Graduate Student Handbook** and this provides clear, consistent information and guidance to prospective and current students, graduate faculty, graduate coordinators, and UNLV staff who work in graduate education. The remainder of the Catalog is the **Academic Catalog** which is divided up by college/school, department, and programs. These sections provide the official approved application, program, and completion requirements for all graduate programs and certificates.

The UNLV Graduate Catalog provides important information to the entire UNLV campus community pertaining to graduate level programs, students, policies, and procedures.

- Prospective graduate students are subject to the admissions requirements of the Catalog that is active during the admissions season.
- Admitted graduate students are subject to the program and degree requirements in the Catalog that is active during their first semester. Students, with approval of their department, may switch to the program and degree requirements in any Catalog in effect from admission until the term of graduation. Students must meet all degree requirements of a single Graduate Catalog.
- All students are subject to both the Student Handbook and Academic Requirements sections of this Catalog, as well as their Program Handbook (found on the UNLV Degrees Directory), UNLV Student Conduct Code, Nevada System of Higher Education (NSHE) Code, and all other established campus policies. Students are also expected to abide by all local, state, and federal laws, as well as professional standards and conduct codes of the student's discipline of study.
- It is expected that all of our graduate students (non-degree-seeking, degree-seeking, and certificate-seeking) refer to the Graduate Catalog as the source of information for program requirements.
- The UNLV Graduate College should be considered a resource for colleges, schools, and departments to ensure accurate mentorship and advisement of graduate students and to comply with all approved degree program requirements.

Nothing in the Graduate Catalog or this Graduate Student Handbook supersedes the Graduate College bylaws, UNLV bylaws, Student Conduct Code, or NSHE Handbook, or the rule of law. Departments/schools may create more stringent policies than the Graduate College. These should be driven by a best practice in the field and a conscious strategy to: ensure graduate student

success, improve enrollment management, align graduate student experiences for post-graduate career success, and/or reflect professional standards and accreditation requirements.

If you have questions about a Graduate College policy, process, or procedure in this Graduate Student Handbook, or about a program requirement in this Graduate Catalog, please contact a dean in the Graduate College for clarification and verification. We are committed to providing clear, accurate, and up-to-date information, and transparency of expectations, policies, and processes in support of our mission to assist graduate students, faculty, and staff. Our goal is to provide support for students, faculty, and staff to excel as scholars, learners, educators, mentors, curriculum developers, program coordinators, researchers, and leaders on campus, in the community, and in your fields.

Disclaimer

The UNLV Graduate Student Handbook content is current as of January 2021 and contains currently anticipated programs, courses and requirements, but these are subject to modification at any time to accommodate changes in university resources or educational plans. The Handbook does not constitute a contractual commitment that the university will offer all the courses or programs described. The university reserves the right, for financial, curricular, programmatic, health, or other reasons as it deems necessary and appropriate in its discretion, to: (1) eliminate, cancel, reduce, modify, or phase out courses, programs and requirements; (2) change the mode of instruction; (3) limit enrollments in specific programs and courses; (4) change fees during the student's period of study; and/or (5) dismiss or require a student to withdraw from a course, program, or the institution for cause.

Supplemental Resources

Program Handbooks

Each graduate program has a handbook to help guide students through their respective programs. Handbooks are optional for certificate programs. The program handbook typically contains more detailed information regarding program guidelines at the department/school level. It also may provide sample plans of study. Program handbooks are made available on the UNLV Degrees Directory. Students are responsible for understanding and following the policies and procedures delineated in program handbooks and the UNLV Graduate Catalog, as well as the NSHE Code, UNLV Bylaws, and the UNLV Student Conduct Code. Nothing in program handbooks supersedes requirements in this Graduate Catalog. Handbook questions should be directed to your graduate coordinator; questions about policies and the Graduate Catalog may be directed to the Graduate College. Departments should archive each year's Program Handbook for historical record.

UNLV Degrees Directory

The UNLV Degrees Directory is a resource for exploring individual degrees or programs and accessing learning objectives, program handbooks, graduate coordinator information, plan of study forms, and more. Additional information is provided by the departments/units regarding program descriptions, research areas, and services. It is important to note that all information contained in the UNLV Degrees Directory is subject to change and students should refer to the Graduate Catalog as the primary source of information regarding program requirements.

Inquiries

Inquiries should be addressed to GradCollege@unlv.edu or 702-895-0446. Our address is: University of Nevada, Las Vegas Graduate College, 4700 S. Maryland Parkway, Suite 200, Las Vegas, NV 89119. For more information, please visit the UNLV website or Graduate College website.

About The Graduate College

Our Academic Context: UNLV and NSHE

UNLV is one of eight institutions of NSHE, which consists of two doctoral-granting universities (UNLV and the University of Nevada, Reno), a state college (Nevada State College), four comprehensive community colleges, and the Desert Research Institute (campuses in Las Vegas and Reno). UNLV offers artistic, cultural, and technical resources and opportunities to the community it serves and its annual impact to southern Nevada's economy is estimated at approximately \$2.51 billion (UNLV NWCCU Self-Report, Feb., 2019), and growing. The School of Medicine, founded in 2014, will add about \$800 million a year by 2025 and over a billion a year by 2030 in economic impact. UNLV promotes research, scholarship, and creative activities by students and faculty that respond to the needs of an urban community in a desert environment, as well as regional, national, and international issues.

UNLV is recognized as a regionally accredited university by the Northwest Commission of Colleges and Universities (NWCCU). UNLV attained Carnegie Very High Research Activity (R1) status in fall 2018 - the gold standard for university research and recognized as one of the top American research universities, as designated by the Carnegie Classification of Institutions of Higher Education.

UNLV's mission is referred to as our Top Tier initiative. Our collective goals are to achieve excellence in research, scholarship, and creative activities on the part of faculty and students; establish a thriving and multidisciplinary health sciences campus; provide outstanding educational opportunities and support student success at all levels; build a strong infrastructure to ensure that UNLV is efficient, effective, and poised to provide exemplary 21st century higher education to a diverse and thriving community of faculty and student scholars; and to expand community

engagement so that UNLV serves and responds to the needs of our community and community members are engaged with and support our university. The Graduate College is deeply involved with, and committed to the success of, these Top Tier initiatives.

History of the Graduate College

The UNLV Graduate School was founded in 1965 and we graduated our first 11 master's students in 1967. Our first doctoral student, an Ed.D., graduated in 1977 and we granted our first Ph.D.s in 1991. It is fair to say that the first 55 years of graduate education at UNLV have been characterized by growth and maturation. In 2018, UNLV was recognized as a Carnegie R1 university and the UNLV mission aims to achieve Top Tier excellence by 2025. This strategic plan builds on this history of continual growth, improvement, and modernization, despite being a young college operating in a resource limited environment. Our modus operandi is to face challenges, fix problems, and innovate to enhance the quality and calibre of graduate education at UNLV. We are committed to establishing Carnegie R1 graduate education in a socially just, inclusive, and equitable manner. Our path is unique and bold thanks to the strength we derive from our diversity, and the unique benefit of being a MSI with an inclusive community of scholars. Please visit our Graduate College website for a more comprehensive overview of our history.

The Organizational Structure of the Graduate College

The Graduate College reports to the Executive Vice President & Provost and is the central organizational unit that coordinates, advocates for, and supports graduate education at UNLV. The Graduate College is a service unit with both administrative and academic missions, serving a broad base of constituents including prospective and current students, graduate alumni, academic and administrative faculty and staff, postdoctoral scholars, and community partners. Interdisciplinary graduate programs and the Office of Postdoctoral Affairs are both housed in the Graduate College. We work closely and collaboratively across campus to fulfill our mission in support of program excellence, faculty and student success, innovation, and campus and community impact.

The Graduate College has four interconnected and closely collaborating units that together comprise a broad base of support for the UNLV graduate community. These areas are:

- Infrastructure Services, which supports the campus graduate mission and is comprised of:
 - Finance & Business Operations
 - Graduate Assistant Program
 - Scholarships
 - Fellowships
 - Business and budgets
 - Systems & Data

- Communications & Marketing
- Advancement & Development
- Academic Affairs, which coordinates and supports our academic mission and handles:
 - Interdisciplinary graduate programs (IDGPs)
 - The Graduate Council and committees, as well as Top Tier working groups
 - Academic Support Services: graduate curriculum (course and program review, innovation, management); graduate faculty status; the Graduate Catalog and Student Handbook; graduate entries in the Degree Directory; and Plan of Study forms
 - College awards
 - Assessment and accreditation
 - Academic excellence
 - Support for graduate faculty and student research, scholarship, creative, and professional activities
- Enrollment Management, which runs our Welcome Center and leads our Recruitment, Retention, Progression, & Completion (R2PC) student lifecycle success efforts, including:
 - Recruitment
 - Admissions
 - First enrollment and retention
 - Successful student progression
 - Timely graduation
 - Degree conferral
- Student Services, which provides comprehensive student support services, including:
 - Nonacademic advising and management of academic appeals
 - Student advocacy efforts
 - Management of The Grad Academy
 - Graduate College event management
 - Coordination of the Graduate Commons
 - The Office of Postdoctoral Affairs
- Inclusive Servant Leadership, which ensures excellence and impact by articulating a vision and promoting core values; providing strategic coordination; aligning resources with mission; building and inspiring strategic collaboration to advance Graduate College and university goals; leading development, advancement, and advocacy; and realizing our strategic plan.
- The Graduate College organizational chart is available online.

Our Vision and Mission

To be nationally recognized for research excellence, diversity, customizable and interdisciplinary academic experiences, and our vanguard approach to professional and career development. We are just, equitable, and

inclusive, and we foster transformative educational experiences that result in graduates who are innovative scholars, experts, professionals, and leaders who help solve complex regional, national, and global challenges.

With an institutional mission of advancing graduate education at UNLV, the Graduate College supports more than 175 graduate certificate, master's, specialist, dual-degree, and doctoral programs. We work closely with departments and the graduate faculty to provide UNLV's more than 5,000 graduate students with high-quality academic experiences through coursework, research, scholarship, and creative activity, and innovative professional and career development opportunities. We strive to create an innovative and thriving scholarly community and provide consistently strong support for our diverse student body and top-notch graduate faculty, while offering outstanding graduate experiences and services that enhance student learning, provide customizable experiences, and facilitate graduate student success.

Specifically, the Graduate College fosters collaborative leadership to build a forward-thinking, data-driven, and diverse top tier, MSI graduate community that:

- advances UNLV's R1 standing and Top Tier aspirations;
- delivers rigorous, leading edge graduate programs in which excellence, innovation, and opportunity flourish;
- strives to more closely mirror undergraduate diversity and expand our international graduate student community;
- is committed to increasing inclusion, equity, and social justice by embracing diversity and fostering an anti-racist, anti-sexist, socially just and inclusive MSI graduate community;
- partners to provide innovative personal, academic, leadership, career, and professional development opportunities to students;
- ensures consistent, transparent, and fair implementation of policies and processes;
- exemplifies a culture of inclusion, innovation, and seeks to make a positive impact;
- delivers outstanding service to all our constituent groups through a variety of in-person and virtual service modalities;
- recognizes and supports the graduate faculty and promotes their interests;
- seeks and secures a diverse base of funding to support students and provide robust financial resources and services that promote financial well-being;
- provides R1 competitive GA packages and benefits to the graduate community;
- and cultivates a dynamic, well-connected, and inclusive scholarly community in which the highest quality research, scholarship, creative, and professional activities thrive.

Our Guiding Principles and Core Values

The Graduate College is committed to a data-informed continual improvement model to advance the following guiding principles: excellence, equity, diversity, innovation, accountability, resilience, and positive impact.

To enact these principles, our mission is driven by core values that inspire us to act and interact with: empathy, kindness, respect, inclusivity, ethics and integrity, a collaborative spirit, and servant leadership.

The Graduate College Brand Statement

We have established branding that aligns with and reflects our vision and values.

In our administrative mission, we are committed to providing “100% Solutions.”

The Graduate College team is a one-stop-shop for questions related to graduate education at UNLV. Our team is committed to providing helpful, accurate, and comprehensive information and answers, 100 percent of the time, or to connect the student/faculty/staff or community member with the correct person or office to assist them.

In our academic mission, we are driven by and committed to facilitating “Inspiration, Innovation, and Impact.”

Our job is to inspire, innovate, and make an impact. These three words capture the heart of graduate education. We are motivated to stimulate and support: 1) inspiration and persistence; 2) innovative programs, education, scholarly, and professional activities, and solutions to complex challenges; and 3) impactful opportunities, actions, and outcomes that offer a brighter future for our students, community, nation, and the world.

Graduate College Location: 2nd Floor of the University Gateway Building

In fall, 2019, the Graduate College moved into their new space in the University Gateway Building (GTW) on the eastside of Maryland Parkway. Built to be a hub for the entire graduate community, the Graduate College Gateway space includes faculty/staff offices, a Graduate College Welcome Center, a Postdoctoral Scholar and Graduate Faculty Commons, a Gateway Grad Commons study space and computer lab for graduate and professional student use, and multiple shared-use spaces including conference rooms and large flexible meeting spaces.

Graduate College Contact Information

Welcome Center

Graduate College

University of Nevada, Las Vegas
4700 S. Maryland Pkwy. Suite 200
Las Vegas, NV 89119
Email: gradcollege@unlv.edu
Phone: 702-895-3320
Fax: 702-895-4180

Recruitment

Future Students

Email: grad.recruitment@unlv.edu
Phone: 702-895-4543
Campus Location: GTW 231

Admissions

Graduate Certificates and Degree Programs

Application Deadlines
Information for Newly Admitted Students
Email: gradadmissions@unlv.edu
Phone: 702-895-3367
Campus Location: GTW 231

International Recruitment and Admissions

Prospective International Student Information

Email: internationalgrad@unlv.edu
Phone: 702-895-3367
Campus Location: GTW 231

Student Retention, Progression, & Completion

Information for Current Students

Email: grad.rpc@unlv.edu
Phone: 702-895-2702
Campus Location: GTW 231

Student Services

The Grad Academy

Email: GradRebel@unlv.edu
Phone: 702-895- 5980
Campus Location: Gateway Graduate Commons

Office of Postdoctoral Affairs

Postdoctoral Affairs

Email: OPA@unlv.edu
Phone: 702-895-5773
Campus Location: GTW 219

Academic Affairs Support Services

Faculty and Staff Resources

Email: gradcurriculum@unlv.edu
Email: gradfacstatus@unlv.edu
Phone: 702-895-1200
Campus Location: GTW 220

Communications & Marketing

Questions and Comments

Email: vaneh.darakjian@unlv.edu
Phone: 702-895-1698
Campus Location: GTW 217

Systems & Data

Grad Rebel Gateway Student Portal

Email: grad.systems@unlv.edu
Phone: 702-895-1100
Campus Location: GTW 216

Financial Services, Business Operations and GA Office

Financial Services, Scholarships/Fellowships, and GAs

Email: gradfinancialsvcs@unlv.edu
Phone: 702-895-4273
Campus Location: GTW 231

Advancement & Development

Grad Alumni Information

Support the Graduate College
Email: elizabeth.kahane@unlv.edu
Phone: 702-895-3429
Campus Location: GTW 222

Leadership

About the Graduate College

Leslie Hunter, Executive Assistant
Email: Leslie.Hunter@unlv.edu
Phone: 702-895-0446
Campus Location: GTW Suite 213

Dean - Dr. Kate Korgan

Graduate.Dean@unlv.edu

Associate Dean - Dr. Emily Lin

GradAssociateDean@unlv.edu

Assistant Dean for Enrollment Management - Kara Wada

Kara.Wada@unlv.edu

Assistant Dean for Graduate Student Services - Dr. Valarie Burke

Valarie.Burke@unlv.edu

Visit the Contact page of the Graduate College website to view the most up-to-date version of the Graduate College Organizational Chart and current staff bios and contact information. Additional information may be found on the Graduate College website.

Appointments and Tours with Graduate College Team Members

Set up personal recruitment appointments and/or tours at gradrecruitment@unlv.edu. To meet with a Graduate College representative in an area beyond recruitment, please use the contact information provided above.

Visit Us

We accept walk-ins Monday-Friday from 8 a.m.-5 p.m. on the second floor of the University Gateway Building at: 4700 S. Maryland Pkwy. Las Vegas, NV 89119.

Graduate College Strategic Goals

Inspired, Innovative, and Impactful Graduate Education: A Strategic Plan for Excellence, 2021-2026

Goal 1: Provide robust support and engage leading-edge practices to promote student success throughout the lifecycle (recruitment, admissions, enrollment, progression, degree completion, graduation) and advance strategic Graduate Enrollment Management (GEM) campuswide, while diversifying our graduate student population and promoting equitable outcomes.

Goal 2: Cultivate a diverse, inclusive, and equitable campus environment for students from all backgrounds in order to enrich the graduate experience, strengthen our UNLV graduate community, diversify future workforce leaders, and in so doing, foster socially just, equitable, and inclusive interactions and outcomes on campus, and beyond.

Goal 3: Encourage and support a Carnegie tier one research-intensive environment of scholarly, professional, and creative opportunities for students, postdoctoral

scholars, and faculty that promotes excellence and innovation; advances knowledge; addresses complex regional, national, and global challenges; and graduates innovative leaders and thinkers who make a positive impact in their fields and their communities, and are able to adapt amidst social, economic, cultural, and technological change.

Goal 4: Provide a strong infrastructure of support for graduate faculty to facilitate program innovation and excellence, and ensure the delivery of consistently high-quality, tier one, transformative student experiences that lead to diverse career pathways and post-graduate success.

Goal 5: To provide nationally recognized, research-informed leadership and professional development opportunities, as well as co-curricular microcredentials, to ensure that all graduate students have career-ready transferable skills that supplement and enhance their academic training and support post-graduate success.

Goal 6: Collaborate with the Graduate Council, the Graduate & Professional Student Association (GPSA), Black Graduate Student Association (BGSA), Latinx Graduate Student Association (LGSA), Faculty Senate, and other campus groups to: encourage strong, transparent, and inclusive faculty and student governance; empower advocacy by and for the graduate community; and promote opportunities for graduate student and faculty success.

Goal 7: Establish and nurture strategic and lasting alumni and community partnerships to leverage advocacy for the graduate mission, collaborate to provide transformative student experiences, and establish a robust base of philanthropic support for our graduate students.

Goal 8: Cultivate and enhance a values-driven, team-centric Graduate College work environment in which employees exemplify our values and principles; provide 100% solutions; professionally grow and thrive; and feel personally supported, valued, and empowered to lead and succeed.

Equal Opportunity

UNLV is an equal opportunity institution. UNLV is an EEO/AA/Title VI/Title IX/Section 504 institution. All applicants to the Graduate College, and admitted students, will receive equal consideration, access to programs and activities, and equitable and just treatment without regard to race, color, national origin, religion, sex, pregnancy, marital status, sexual orientation, gender identity, age, disability, or covered US veteran status. Diversity is our strength; you are welcome here.

Accreditation Information

Academic Program Accreditations

- UNLV is accredited by the Northwest Commission on Colleges and Universities.
- UNLV's international programs are approved by the Council on International Educational Exchange.
- For more information visit the UNLV Academic Program Accreditations webpage.

Please see below a list of graduate programs with additional accreditation:

College	Program	Accredited by
School of Integrated Health Sciences	Dietetic Internship	ACEND
	Doctor of Physical Therapy Program (DPT)	CAPTE
	Health Physics - Environmental Option, M.S.	ABET
	Health Physics - Medical Physics, DMP.	CAMPEP
Lee Business School	Accounting – M.S.	AACSB
	Economics – M.A.	AACSB
	Entrepreneurship or Management or Information Management Graduate Certificate in Management Information Systems M.S. – Management Information Systems	AACSB
	EMBA- Executive Master of Business Administration	AACSB
	Graduate Certificate in Business Administration	AACSB
	Graduate Certificate in New Venture Management	AACSB
	MBA. - Master of Business Administration	AACSB
	MHA (Master of Health Care Administration) and Executive MHA	CAMHE CEPH
Public Health - MPH, and Ph.D.	CEPH	

College	Program	Accredited by
School of Dental Medicine	Doctor of Dental Medicine (DMD)	CODA
	Doctor of Dental Surgery (DDS)	CODA
	Orthodontics and Dentofacial Orthopedics, Certificate	CODA
	Pediatric Dentistry, Certificate	CODA
	General Practice Residency, Certificate	CODA
College of Education	School Psychology, Ed.S.	NASP
College of Fine Arts	Architecture, M. Arch.	NAAB
	Art, MFA,	NASAD
	Music, M.M., Music Education, Performance, Conducting, or Composition	NASM
	Music, DMA., Applied Music	NASM
William S. Boyd School of Law	Juris Doctor, J.D.	ABA
College of Liberal Arts	Ph.D. Psychology, Clinical Track	APA
School of Medicine	M.D.	LCME
	Master of Science, Couple and Family Therapy	COAMFT
School of Nursing	MSN	CCNE
	DNP	CCNE
College of Urban Affairs	MPA	NASPAA
	MSW	CSWE

Unlv Office of Postdoctoral Scholars

The UNLV Graduate College houses the Office of Postdoctoral Affairs (OPA). OPA's mission is to enhance and support postdoctoral training and career development; serve as the central resource office for postdoctoral questions and issues for faculty, supervisors, mentors, and prospective and current postdocs; build a community for all UNLV postdocs and their faculty mentors; and provide professional development programs, research events, and networking events for postdocs. For additional information, please visit the OPA webpage.

What is a Postdoctoral Scholar?

A postdoctoral appointment is a temporary specialized education and training position in research, teaching, performance, or scholarship. It is established for the continued education and professional growth of the candidate. The appointment is under the direction of faculty sponsor(s) and it can be in any discipline or academic unit on campus. For information on UNLV postdoctoral scholars visit UNLV's Office of Postdoctoral Affairs Handbook.

The Division of Research

The mission of the Division of Research is to support and promote a culture of excellence and integrity in research, scholarship, and creative activity that benefits the university, community, and state. The division supports UNLV research by:

- serving the needs of UNLV faculty, staff, and students as they pursue research, scholarly, and creative activities;
- developing opportunities, policies, funding, and infrastructure that support the performance of the highest quality research, scholarship, and creative activity;
- supporting the integration of research, scholarship, and creative activity into the educational experiences of students;
- supporting the design, conduct, and funding of research projects that comply with local, state, and federal guidelines;
- communicating the value of university research, scholarship, and creative activity to all constituencies; and
- promoting progress toward attainment of the goals for research, scholarly, and creative activities identified in the university's Top Tier strategic planning process.

UNLV is a doctoral-degree-granting institution with a commitment to the support of research and innovative scholarly pursuits. UNLV seeks to create a campus environment that promotes the performance of superior research and scholarly endeavors at all levels of study. UNLV faculty are eager to involve graduate students in their research, so there are many opportunities to participate.

The Graduate Research Certification: The Graduate Research Certification (GRC) is a free, year-long professional development program that provides graduate and select undergraduate students with the skills and knowledge necessary to initiate, conduct, and

successfully conclude research projects. Once accepted into the program, participants must be actively working on a research/creative/scholarly activity. Students must also complete a minimum of six approved campus workshops, attend all mandatory cohort meetings, present their research/creative/scholarly activity, and then complete their culminating experience, which is a research portfolio. There are three components to the research portfolio: 1.) scholarly research statement; 2.) self-reflection of the research/creative/scholarly activity during the program duration; and 3.) Individual Development Plan (IDP). The GRC workshops are designed to foster intellectual discussion of ethical issues in conducting research, as well as to provide insight and training on best research practices. The GRC is a collaborative effort between the Office of Research Integrity, UNLV Libraries, UNLV Writing Center, the Office of Sponsored Programs, The Grad Academy Advisory Board, the Graduate Council, GPSA, and the Graduate College

External Funding Resources: Funding from organizations outside UNLV is available to support graduate-level research and education in a wide variety of disciplines. Explore the websites of organizations offering research funding by visiting the Funding Opportunities Database.

Online Safety Training: The training system allows you to take online training courses, view your training history and view which courses you are required to complete. Supervisors are able to view their direct reports training history and training status.

Stay Connected And Informed

Perhaps one of the most important secrets to graduate student success is staying in-the-know about important information, requirements, opportunities, deadlines, and news that can help graduate students not just survive, but thrive on campus. It is critically important for graduate students to stay informed and be engaged by recognizing and staying connected to all the ways we share information to support your success. We do not message students frivolously.

Graduate College messages are shared with graduate students via:

- Social Media: Please link, like, and/or follow the Graduate College from your program, department, school, and/or college social media accounts so that we can like and repost your news and posts. We would appreciate it if, likewise, you would please repost our social media posts.
 - Facebook
 - Twitter
 - Instagram
 - LinkedIn
 - YouTube
- UNLV's Weekly RAVE (Rebel Announcements Via Email) is a weekly email sent to all enrolled students that provides student important campus information including: deadlines, events, alerts, etc.

- The Graduate College weekly student newsletter
 - Distributed Mondays during the fall and spring semesters
- Grad Rebel Gateway Portal
- Google Calendar
- Grad Rebel Gateway messages to your Rebelmail

The Graduate College distributes strategic informational emails to students' personal (pre-admission) or Rebelmail accounts (post-admission). For some students, these emails begin when they submit the request for information form on the Graduate College's Future Students webpage, create an account in the Grad Rebel Gateway, and/or start an application. Pre-admission communications are sent to the email address the student used to create their Grad Rebel Gateway account. Rebelmail is used as soon as a student is admitted and throughout students' graduate careers.

Regardless of when students begin receiving emails (pre-application or post-enrollment), all will receive emails from the Graduate College regularly while they are enrolled. Timely emails will be sent through the entire student lifecycle and cover everything from enrollment and policy reminders, to invitations to participate in the The Grad Academy programming, to invitations to complete annual surveys, and much more. Emails continue through graduation, focusing on things such as graduation deadlines and requirements, our Doctoral Recognition Ceremony, and Commencement.

- Text message: beginning in spring 2021
- Telephone: for urgent information and student messages

Other Ways to Stay Connected

- UNLV Today: Emails provide daily updates about UNLV people, activities, and news.
- Witness: Black Mountain Institute's literary publication Witness publishes original fiction, nonfiction, poetry, and photography that is innovative in its approach, broad-ranging in its concerns, and unapologetic in its perspective. The magazine blends the features of a literary and an issue-oriented magazine to highlight the role of the modern writer as a witness to their times.
- Interim: Poetry selections published through the English Department. Interim seeks writing that engages the perilous conditions of life in the 21st century as they pertain to issues of social justice and the earth, writing that demonstrates an ethos that considers the human condition in inclusive love and sympathy while offering the same in consideration of the planet. Because we believe that the truth is always experimental, we especially appreciate work with innovative approaches.
- Nevada System of Higher Education: Stay up-to-date with NSHE news. Subscribe and receive press releases related to the NSHE system, Board of Regents meeting agendas, and much more.

Online Surveys, Annual Individual Development Plans, and Exit Survey

- Each fall we distribute a Graduate Student Life and Climate Survey. This is an important annual assessment of graduate student experiences in their programs and on campus, especially but not exclusively as related to how we are doing at fostering a student-centered, supportive, ethical, inclusive, equitable, and just graduate community.
- Each winter we require graduate students to complete a mandatory annual Individual Development Plan (IDP), which is shared with the student's advisor (where applicable) and graduate coordinator so that they may provide input on the student's progress and specify a timeline for goals in the next calendar year. This is intended as a supportive mentoring process and student safety net to promote timely degree progression and student success.
- Students are also required to complete an Exit Survey as part of their graduation procedures in order for UNLV to assess student outcomes, hear from graduating
- students about their campus and degree program experiences, and use this information in a proactive manner to fuel a continuous improvement model whereby feedback leads to positive changes that improve future student experiences. We value our graduating students' input.

Family Educational Rights and Privacy Act (FERPA)

FERPA Protections

Please note that students are protected by FERPA in all communications and contexts. As such, any email communications involving student information between students and any employee of NSHE or UNLV must be conducted through students' official Rebelmail email account. If a student phones the Graduate College or another UNLV office or faculty/staff member with questions that relate to protected student information, the student will need to be able to correctly answer personal identifying information in order to protect your educational privacy rights. FERPA requirements are designed to protect student privacy.

Calendars

Academic Calendar Fall 2020-Summer 2021

Fall 2020

Date	Information
Friday, August 21, 2020	Last day to pay in person without late penalties.
Sunday, August 23, 2020	Last day to pay online without late penalties.
Sunday, August 23, 2020	Last day to register without late penalties.
Monday, August 24, 2020	Classes and late registration begin. Late registration fees and late payment fees apply.
Thursday, August 27, 2020	Last waitlist run.
Friday, August 28, 2020*	Last day to drop and receive a 100% refund. Last day to add classes online. Modular, mid-semester, and educational outreach classes have different registration dates. Check your MyUNLV Student Center for specific deadlines for each class.
Friday, August 28, 2020	Last day to pay in person and online with late fees prior to administrative drop for non-payment.
Monday, August 31, 2020	Administrative drop for non-payment.
Tuesday, September 1, 2020	Fall 2021 graduate applications for admission open.
Monday, September 7, 2020	Labor Day recess. The campus will be closed for Labor Day recess and will reopen on Tuesday, September 8.
Monday, September 14, 2020	Last day of late registration. Time period permission required.
Tuesday, September 15, 2020	Graduate College fall 2020 conditional admission requirement deadline.
Thursday, October 1, 2020	Last day for undergraduates to apply for December 2020 degree conferral and be included in the Commencement Program booklet. Late undergraduate applicants, please check with the Registrar's Office.
Thursday, October 1, 2020 – Monday, October 26, 2020**	Final day for graduate students to apply and submit an application for fall 2020 degree or certificate conferral through MyUNLV.
Thursday, October 1, 2020	Graduate College Scholarship and Fellowship application portal opens in the Grad Rebel Gateway.
Friday, October 2, 2020	Last day to completely withdraw from all classes and receive a 50% refund if your account is paid in full.
Friday, October 30, 2020	Nevada Day recess. The campus will be closed for Nevada Day recess and will reopen on Monday, November 2.

Date	Information
Sunday, November 1, 2020	Recommended deadline to submit an application in the Grad Rebel Gateway for a spring 2021 graduate assistantship.
Monday, November 2, 2020	Last day to drop classes without a refund/change from credit to audit. No withdrawals or audits after this date. Modular, mid-semester, and educational outreach classes have different withdrawal dates. Check your myUNLV student center for specific deadlines for each class.
Monday, November 2, 2020	Spring 2021 registration begins.
Wednesday, November 11, 2020	Veterans Day recess. The campus will be closed for the Veterans Day recess and will reopen on Thursday, November 12.
Thursday, November 26, 2020	Thanksgiving Day recess. The campus will be closed for Thanksgiving Day recess and will reopen on Monday, November 30.
Friday, November 27, 2020	Thanksgiving Day recess. The campus will be closed for Thanksgiving Day recess and will reopen on Monday, November 30.
Monday, November 30, 2020	Study week begins. Classes are scheduled, but major written exams are not given (with exception of mid-semester classes).
Sunday, November 15, 2020 – Monday, November 30, 2020**	Last day to defend your thesis, dissertation, or doctoral project.
Tuesday, Nov. 24, 2020 – Monday, December 7, 2020**	Last day to submit the complete and formatted, committee-approved copy of your thesis or dissertation to the Graduate College for format review. Please see the Thesis/Dissertation Format Review page for more details. Culminating experience results forms for students completing a thesis, dissertation, or doctoral project must be submitted to the Graduate College by this date. All other required forms should be submitted prior to the submission of the Culminating Experience Results Form.
Tuesday, Nov. 24, 2020 – Monday, December 7, 2020**	Last day to submit the complete and formatted, committee-approved copy of your thesis or dissertation to the Graduate College for format review. Please see the Thesis/Dissertation Format Review page for more details. Culminating experience results forms for students completing a thesis, dissertation, or doctoral project must be submitted to the Graduate College by this date. All other required forms should be submitted prior to the submission of the Culminating Experience Results Form.
Tuesday, December 1, 2020	UNLV Outstanding Graduate Student Teaching Award and UNLV Graduate College Outstanding Thesis & Dissertation Awards nominations are due.
Tuesday, December 1, 2020	Graduate College Scholarship and Fellowship application deadline.

Date	Information
Thursday, December 3, 2020	Last day to submit the Culminating Experience Results Form for students not completing a thesis, dissertation, or doctoral project. All other required forms should be submitted prior to the submission of the Culminating Experience Results Form.
Friday, December 4, 2020 – Monday, December 21, 2020**	Last day to submit thesis/dissertation format revisions to the Graduate College. All final, properly formatted theses, dissertations, and doctoral projects must be submitted to the Graduate College via email by the end of the day.
Saturday, December 5, 2020	Instruction ends.
Monday, December 7, 2020	Final examinations begin. Final examinations are scheduled to be two hours long. For additional semester dates and deadlines, visit the Registrar's Office website.
Tuesday, Dec. 8, 2020 □ Monday, December 28, 2020**	Last day for electronic submission of final thesis/dissertation/doctoral project (with formatting pre-approved by the Graduate College) to ProQuest.
Saturday, December 12, 2020	Semester ends. Winter 2020 degree conferral date.
Tuesday, December 15, 2020	Grades due. Fall grades are due at the Office of the Registrar by 4 p.m.
Tuesday, December 15, 2020	Winter 2020 commencement

* Modular classes must be withdrawn the Friday before the class begins to receive 100% refund.

**Indicates deadline extensions per COVID-19 accommodations

Spring 2021

Date	Information
Friday, January 15, 2021	Last day to pay in person without late penalties.
Monday, January 18, 2021	Martin Luther King Jr. Day recess. The campus will be closed for the Martin Luther King Jr. Day recess and will reopen Tuesday, January 19.
Monday, January 18, 2021	Last day to pay online without late penalties.
Monday, January 18, 2021	Last day to register without late penalties.
Tuesday, January 19, 2021	Classes and late registration begin. Late registration fees and late payment fees apply.
Friday, January 22, 2021	Last waitlist run.
Monday, January 25, 2021*	Last day to drop and receive a 100% refund. Last day to add classes online. Modular, mid-semester, and educational outreach classes have different registration dates. Check your MyUNLV Student Center for specific deadlines for each class.
Monday, January 25, 2021	Last day to pay in person and online with late fees prior to administrative drop for non-payment.
Tuesday, January 26, 2021	Administrative drop for non-payment.
Monday, February 1, 2021	Spring 2022 graduate applications for admission open.
Monday, February 8, 2021	Last date of late registration. Time period permission required.
Monday, February 15, 2021	President's Day recess. The campus will be closed for President's Day recess and will reopen on Tuesday, February 16.
Monday, February 15, 2021	Graduate College spring 2021 conditional admission requirement deadline.
Friday, February 26, 2021	Last day to completely withdraw from all classes and receive a 50% refund if your account is paid in full.
Monday, March 1, 2021	Last day for undergraduates to apply for May 2021 degree conferral and be included in the Commencement Program booklet. Late undergraduate applicants, please check with the Registrar's Office. Graduate students should check with the Graduate College for deadlines.
Monday, March 1, 2021	Final day for graduate students to apply and submit an application for spring 2021 degree or certificate conferral through MyUNLV.
Monday, March 1, 2021	Recommended deadline to submit an application in the Grad Rebel Gateway for a fall 2021 graduate assistantship.
Monday, March 15, 2021	Spring break recess. Classes will not be held for spring break and will resume on Monday, March 22.

Date	Information
Monday, March 15, 2021	Summer 2021 registration begins.
Friday, April 2, 2021	Last day to drop classes without a refund/change from credit to audit. No withdrawals or audits after this date. Modular, mid-semester, and educational outreach classes have different withdrawal dates. Check your myUNLV student center for specific deadlines for each class.
Monday, April 12, 2021	Fall 2021 registration begins.
Monday, April 12, 2021	Last day to defend your thesis, dissertation, or doctoral project.
Monday, April 19, 2021	Last day to submit the complete and formatted, committee-approved copy of your thesis or dissertation to the Graduate College for format review. Please see the Thesis/Dissertation Format Review page for more details. Culminating experience results forms for students completing a thesis, dissertation, or doctoral project must be submitted to the Graduate College by this date. All other required forms should be submitted prior to the submission of the Culminating Experience Results Form.
Monday, May 3, 2021	Study week begins. Classes are scheduled but major written exams are not given (with exception of mid-semester classes).
Monday, May 3, 2021	Last day to submit thesis/dissertation format revisions to the Graduate College. All final, properly formatted theses, dissertations, and doctoral projects must be submitted to the Graduate College via email by the end of the day. Please see the Thesis/Dissertation Format Review page for more details.
Thursday, May 6, 2021	Last day to submit the Culminating Experience Results Form for students not completing a thesis, dissertation, or doctoral project. All other required forms should be submitted prior to the submission of the Culminating Experience Results Form.
Saturday, May 8, 2021	Instruction ends.
Monday, May 10, 2021	Final examinations begin. Final examinations are scheduled to be two hours long. For additional semester dates and deadlines visit the Registrar's Office website.
Monday, May 10, 2021	Last day for electronic submission of final thesis/dissertation/doctoral project (with formatting pre-approved by the Graduate College) to ProQuest.
Saturday, May 15, 2021	Semester ends.
Saturday, May 15, 2021	Spring 2021 commencement. Spring 2021 degree conferral date.
Tuesday, May 18, 2021	Grades due. Spring grades are due at the Office of the Registrar by 4:00 p.m.

* Modular classes must be withdrawn the Friday before the class begins to receive 100% refund.

Summer 2021 Session I

Please refer to the Summer Term Dates and Deadlines page for all summer registration and payment dates and deadlines.

Date	Information
Monday, May 17, 2021	Summer term I instruction begins.
Monday, May 17, 2021	Last day to drop summer term I classes without a W grade.
Thursday, May 27, 2021	Last day to drop summer term I classes with a W grade.
Monday, May 31, 2021	Memorial Day recess. The UNLV campus will be closed for the Memorial Day holiday and will reopen Tuesday, June 1.
Tuesday, June 1, 2021	Final day for graduate students to apply and submit an application for summer 2021 degree or certificate conferral through MyUNLV.
Friday, June 4, 2021	Instruction ends for summer term I.
Tuesday, June 8, 2021	Grades due for summer term I classes.

Summer 2021 Session II

Date	Information
Monday, June 7, 2021	Summer term II instruction begins.
Tuesday, June 8, 2021	Last day to drop summer term II classes without a W grade.
Friday, June 25, 2021	Last day to drop summer term II classes with a W grade.
Thursday, July 1, 2021	Last day for undergraduates to apply for August 2021 degree conferral. Late undergraduate applicants, please check with the Registrar's Office. Graduate students should check with the Graduate College for deadlines. Students whose degrees are conferred in August may participate in the following December's commencement ceremony.
Thursday, July 1, 2021	Summer 2022 graduate applications for admission open.
Monday, July 5, 2021	Independence Day recess. The UNLV campus will be closed for the Independence Day holiday and will reopen Tuesday, July 6.
Friday, July 9, 2021	Instruction ends for summer term II.
Tuesday, July 13, 2021	Grades due for summer term II classes.

Summer 2021 Session II (continued)

Date	Information
Monday, June 7, 2021	Summer term II instruction begins.
Tuesday, June 8, 2021	Last day to drop summer term II classes without a W grade.
Friday, June 25, 2021	Last day to drop summer term II classes with a W grade.
Thursday, July 1, 2021	Last day for undergraduates to apply for August 2021 degree conferral. Late undergraduate applicants, please check with the Registrar's Office. Graduate students should check with the Graduate College for deadlines. Students whose degrees are conferred in August may participate in the following December's commencement ceremony.
Thursday, July 1, 2021	Summer 2022 graduate applications for admission open.
Monday, July 5, 2021	Independence Day recess. The UNLV campus will be closed for the Independence Day holiday and will reopen Tuesday, July 6.
Friday, July 9, 2021	Instruction ends for summer term II.
Tuesday, July 13, 2021	Grades due for summer term II classes.

Summer 2021 Session III

Date	Information
Monday, July 12, 2021	Summer term III instruction begins.
Tuesday, July 13, 2021	Last day to drop summer term III classes without a W grade.
Thursday, July 15, 2021	Graduate College summer 2021 conditional admission requirement deadline.
Monday, July 19, 2021	Last day to defend your thesis, dissertation, or doctoral project.
Monday, July 26, 2021	Last day to submit the complete and formatted, committee-approved copy of your thesis or dissertation to the Graduate College for format review. Please see the Thesis/Dissertation Format Review page for more details. Culminating experience results forms for students completing a thesis, dissertation, or doctoral project must be submitted to the Graduate College by this date. All other required forms should be submitted prior to the submission of the Culminating Experience Results Form.
Friday, July 30, 2021	Last day to drop summer term III classes with a W grade.
Monday, August 9, 2021	Last day to submit the Culminating Experience Results Form for students not completing a thesis, dissertation, or doctoral project. All other required forms should be submitted prior to the submission of the Culminating Experience Results Form.
Monday, August 9, 2021	Last day to submit thesis/dissertation format revisions to the Graduate College. All final, properly formatted theses, dissertations, and doctoral projects must be submitted to the Graduate College via email by the end of the day.
Friday, August 13, 2021	Instruction ends for summer term III.
Friday, August 13, 2021	Summer 2021 degree conferral date.
Monday, August 16, 2021	Last day for electronic submission of final thesis/dissertation/doctoral project (with formatting pre-approved by the Graduate College) to ProQuest.
Tuesday, August 17, 2021	Grades due for summer term III classes.

Note: Observed Holidays were determined using the guidelines in NRS 236.015

Office of the Registrar and Schedules

The Office of the Registrar is the official repository of academic calendars, term calendars, and final exam schedules. Students can also find the Class Search and the Course Catalog on the MyUNLV registration system.

UNLV Calendars

Subscribe to UNLV Calendars

Stay up-to-date on UNLV events by subscribing to the UNLV academic calendars including the Graduate College calendar. Follow and add these calendars to your Rebelmail Google Calendar, do the following:

- Sign into your Rebelmail account.
- For each calendar that you wish to subscribe to, click on its calendar link below.
- Your Google Calendar will open up in a new window or tab. Click “Yes, add this calendar” to add it to your Google Calendar.

Graduate College Google Calendar

Spring and Fall Academic Calendar

Summer Term Academic Calendar

Academic Calendar Deadlines: How to look up the drop deadlines for your classes.

UNLV Calendar of Events: Keep abreast of what’s happening across the campus. The Calendar of Events is a central source for event information at UNLV. The site is managed by UNLV Web & Digital Strategy.

Sports

UNLV Sports Calendar: Stay updated on sports events happening with UNLV teams.

Fine Arts Performances

UNLV Performing Arts Calendar of Events: The Performing Arts Calendar includes events, dates, times and pricing.

Graduate College

Graduate College Events and Deadlines Calendar

Current University Calendars

The Graduate College student calendar for events and deadlines may be found here.

Stay up-to-date on Graduate College events by subscribing to the Graduate College calendar. To add this calendar to your Google Calendar, do the following:

- Sign into your Rebelmail account.
- Click on its calendar link.

The Grad Academy

Schedule of Meetings

Library

UNLV University Libraries Calendar

Student Governance

Graduate & Professional Student Association (GPSA)

The Graduate & Professional Student Association (GPSA) was formed in 1980 to provide additional opportunities for graduate students to interact, both socially and academically, and to provide a forum for dealing with problems specific to graduate student life. The GPSA’s primary goals are to improve the quality of graduate education and the graduate student experience and to offer graduate student grants for research and other scholarly projects.

The GPSA serves all currently enrolled UNLV graduate and professional students. It promotes and represents the interests of graduate and professional students at UNLV while striving to engender a sense of community among students by furnishing financial support and fellowship. As membership in the GPSA is automatic, all graduate and professional students are encouraged to utilize the GPSA as a resource.

Each department on campus has a graduate student GPSA representative who attends GPSA meetings, participates on GPSA committees, and communicates all pertinent information concerning the GPSA to their constituents. The GPSA has graduate student representation on all standing Council committees of the Graduate College and participates in at least one community service project each semester.

The GPSA office provides a study area, a copy service, and a computer lab, all in the Lied Library. The office is open year-round, all day, and some evenings. Meetings are held on the first Monday of every month in the Student Union, and all graduate students are encouraged to attend and participate. For more information visit the GPSA website, or contact the GPSA office in the Graduate Student Commons in Lied Library, Room 2141, or call (702) 895-2261.

GPSA Research and Travel Sponsorship

One of the most important services the GPSA offers for UNLV graduate and professional students is the allocation of funds for graduate and professional research, conference/event travel, and other scholarly activities. This service is intended to provide support for projects that directly affect a student’s degree program as well as make a contribution to the scholar’s field. Applicants may apply for research and/or travel sponsorship awards.

Graduate & Professional Student Research Forum

The UNLV Graduate & Professional Student Association (GPSA) and the Graduate College typically host the Graduate & Professional Student Research Forum each spring, which showcases excellence in research conducted at the graduate and professional level from students representing all colleges across campus. A stipulation in receiving a GPSA sponsorship is that all recipients must present in the Annual Research Forum event.

Other GPSA Funding Opportunities and Resources

The GPSA offers a variety of financial and academic resources including:

- **Cap and Gown Lending Program:** The Cap and Gown Lending program supports students interested in participating in graduation activities.
- **Student Researcher Award:** The Student Researcher Award program supports research projects of students who are in a research-based degree program. The program will assist students to purchase research materials, present their work at national/international conferences, and will support completion of requirements for their degree program.
- **Book Scholarship:** The GPSA Book Scholarship is designed to offer financial assistance to graduate and professional students purchasing textbooks for the upcoming semester. Scholarships are awarded \$150.00 each.

The GPSA Council

The Graduate & Professional Student Association is governed by the GPSA Council. The GPSA Council consists of graduate and professional student representatives from each academic department and the elected executive board and supported by the GPSA business manager and two faculty advisors, with one being the Graduate College dean. The council is governed per the GPSA Constitution and GPSA Bylaws.

Prior to the beginning of each fall semester, each department with graduate and professional programs appoints or elects one representative to the GPSA. Department chairpersons, and/or other faculty shall be responsible for their representative's selection process. As the GPSA represents the interests of graduate and professional students, and to promote graduate student governance, it is critically important that every graduate department/school have a representative on the GPSA Council.

Student Organizations

UNLV has more than 350 Registered Student Organizations (RSOs) that encompass a variety of different interests, activities, and beliefs. RSOs range from social action organizations to socially based organizations, and from religious-based clubs to sports clubs. Whatever your interest, UNLV has the organization to match. Students can even form a new organization. Joining an organization offers students opportunities to meet new people, make memories, build resumes, and potentially leave a legacy at UNLV.

- The UNLV Black Graduate Student Association (BGSA) is dedicated to enhancing the graduate experience at UNLV. BGSA is a recognized student organization whose mission is to support graduate and professional students of African descent at UNLV by offering a safe space for dialogue, networking, and provide opportunities to develop both professionally and academically.
- The Latina/o/x Graduate Student Association (LGSA) is in the process of being formed in spring 2021. More information will be coming soon.

- For graduate students who are interested in starting a graduate RSO, more information is available on the Registration & Management page of the Student Involvement website.

Faculty Governance

The Graduate Council

The Graduate Council collaborates with the Graduate College to oversee all matters related to graduate education at UNLV. The Council is the faculty leadership of the Graduate College. It meets a minimum of four times each year. The Council is supported by five standing committees. Graduate College Ad Hoc and Top Tier Committees and working groups are also instantiated each year to support timely graduate goals and initiatives. The Graduate College bylaws may be found here. The Graduate Council includes one delegate from each academic department that sponsors a graduate degree or certificate program, plus representatives from the Graduate & Professional Student Association (GPSA) and a representative from the Faculty Senate --- either the chair or their designee. Please visit the Graduate Council & Committees webpage for the Graduate Council and Graduate College meeting dates and times, minutes, and other helpful information.

Graduate Council Committees

A variety of committees fall under the umbrella of the Graduate Council and Graduate College. They work in concert with the Graduate College dean to establish and implement faculty and student-centered policies and procedures to enhance and support graduate education and the graduate community at UNLV. There are a number of standing committees that play a critical role in forming procedures and policies that affect the Graduate College, its faculty members, and its students, which are listed below. Every Council committee has at least one graduate or GPSA student representative. For additional information on the role of the Graduate Council and work of the Graduate College Committees visit the Graduate Council & Committees webpage. Graduate Committees include the following:

Graduate College Executive Committee (GCEC): Consists of chairs of all Graduate Committees, the Graduate Council Chair, the GPSA president, and Faculty Senate Chair, or their designee. The Graduate College dean, associate dean, assistant deans, and Top Tier working group chairs participate in ex-officio roles. The Executive Committee advises the Graduate College dean, leads policy and program discussions, and aids in strategic planning for the Graduate College.

Graduate Course Review Committee (GCRC): Reviews and recommends approval of new graduate courses and course revisions at the 500 - 800+ level.

Graduate Programs Committee (GPC): Reviews and recommends approval of new graduate degree programs and certificates as well as changes to existing programs

and certificates.

Graduate Program Review Committee (GPRC): Works in conjunction with the Faculty Senate to review existing graduate programs and then provides follow-up support to ensure continual improvement of graduate programs and overall excellence.

Graduate Appeals & Legal Issues Committee (GALIC): Reviews and makes recommendations to the Graduate College dean on graduate student appeals.

Graduate College Committees

Graduate Awards Committee (GAWC): Develops guidelines for awards and graduate student funding for fellowships and scholarships; reviews award, fellowship, and scholarship application materials; recommends award, fellowship, and scholarship recipients; and provides ad hoc review and ranking of nominees for special awards and recognitions.

The Grad Academy Advisory Board: Cultivates opportunities for professional and career development activities and skills for graduate and professional students.

Office of Postdoctoral Affairs Advisory Board (OPAAB): Develops, reviews, and makes recommendations to sustain and grow the Office of Postdoctoral Scholars to support postdoctoral scholars and the postdoc community at UNLV.

Diversity, Equity, Inclusion, & Justice Advisory Board (DEIJAB): Examines, develops, advises, and makes suggestions and recommendations that further the mission of diversity, equity, inclusivity, and justice to support the graduate community at UNLV.

Grad Student Advisory Board (GSAB): Establishes, develops, and makes recommendations to advance the goals and objectives that foster support and growth for a thriving community of graduate students at UNLV.

Ad hoc Top Tier Working Groups: Each year there are a number of ad hoc Top Tier working groups that support strategic graduate initiatives and university goals.

The Graduate Faculty

The Role of Graduate Faculty

Graduate faculty members play an integral role in the development of graduate students, the design and delivery of graduate programs, and are in charge of the graduate curriculum. Graduate faculty prepare students for various professional and academic careers through coursework and one-on-one mentorship to cultivate students' research, scholarship, and creative skills. By encouraging creativity, critical thinking, strong communication skills, leadership, ethical practice, scientific reasoning, strong methodological skills, and scholarly independence, graduate faculty prepare students to be experts in their areas of specialization and successful on their desired career paths.

Graduate Faculty Rights and Responsibilities

The graduate faculty consists of all UNLV faculty members who are approved to hold Graduate Faculty Status (GFS). Graduate faculty members are housed in academic colleges and professional schools but are granted specific rights and responsibilities within the Graduate College, including but not limited to: participation in graduate education, engagement in graduate student instruction and mentorship, serving on students' Graduate Advisory Committees (GACs), and involvement in the work of the Graduate College, primarily through the Graduate Council and Graduate College committees. Please note that GFS is not related to professorial ranking, and qualified individuals on and off campus may hold varying levels of GFS (see also: Graduate non-degree-seeking information).

Graduate Coordinator

The graduate coordinator serves a vital role in graduate education. Graduate coordinators are members of the graduate faculty who are the primary point of contact in academic units for graduate students and who are responsible for coordinating strategic R2PC efforts (recruitment, retention, progression, completion) and delivering high-quality graduate programs that prepare students for career success within a department or school. Graduate coordinators serve as the official liaisons between the academic unit and the Graduate College on all matters related to the oversight and management of departmental graduate programs, prospective and current students, and compliance with policies governing graduate education.

Every department offering graduate or professional certificates and/or degrees will identify at least one graduate coordinator. Departments and schools offering multiple large or complex programs and/or certificates may elect to have multiple graduate coordinators, each with responsibility for leading, managing, and coordinating one or more plans (a plan is a degree program or certificate); the Graduate College does not recognize or manage other departmental level support staff, administrative support or graduate program leaders at the subplan level (concentrations or tracks).

Additionally, every department/program should also have: (1) at least one Graduate Plan Support Staff, (2) additional graduate program leaders (from the graduate faculty within the department) to work with the graduate coordinator(s) on recruitment, admissions, funding, mentorship, etc. and (3) may choose to have a plan administrator. Please refer to the GC Graduate Program Roles and Definitions document for details on the rights and responsibilities associated with each of these key graduate program roles.

Broad-Ranging Responsibilities to Graduate Students, Faculty, and Programs

In general, the graduate coordinator is responsible for fulfilling all requirements in the Graduate College Bylaws

and Catalog/Graduate Student Handbook, as well as department/school/college bylaws and expectations. Though the exact responsibilities of graduate coordinators vary between departments and graduate programs, graduate coordinators are responsible for the management and oversight of both the day-to-day operations of graduate programs and graduate students in their academic unit. This typically includes, but is not limited to, the following:

- Coordinating and facilitating graduate student recruitment into department programs.
- Providing oversight, coordination, or direct handling of graduate admissions, including coordination and oversight of the holistic, equitable, and fair evaluation of admissions applications according to best practices, Graduate College policies and procedures, and specific program guidelines and requirements.
- Providing onboarding and orientation for new graduate students and ongoing opportunities for professional and career development.
- Managing communications between the department and graduate students, both new and continuing.
- Providing graduate student mentorship and appropriate, timely matriculation, progression, and graduation.
- Appropriately handling and documenting program milestones.
- Coordinating, reviewing, and signing annual departmental evaluations of graduate students.
- Timely and accurate submission of required forms with careful review to ensure they are signed with integrity.
- Timely reviewing and appropriately handling all graduate student forms including graduate appeals.
- Ensuring departmental FERPA protections and appropriately handling of student documents, records, and information.
- Working with the academic dean, department chair, and Graduate College on the appointment, assignment, and supervision of graduate assistants.
- Applying ownership of and responsibility for the generic UNLVMail email accounts for their graduate program(s).
- Providing oversight of student graduation requirements and proper procedures related to culminating experiences.
- Recommending student probation and separation, when appropriate, through the appropriate unit and Graduate College channels, and then on to the Graduate College.
- Educating students and colleagues about Graduate College policies, and enforcing the same.
- Ensuring the accuracy of the graduate portion of the department website, the department's segment of the Graduate Catalog, the unit's handbook, and related informational materials and communications.
- Working with the department chair and academic dean to establish, review, and revoke as necessary, GFS.
- Managing communications between the department and graduate students including new, continuing, and graduated.

- Working with the department chair and academic dean to review and improve new and existing graduate courses and programs in Curriculog (our system of engagement for curricular approvals) using the generic emails.
- Collaborating with the department chair/director and academic dean, as appropriate, to facilitate graduate student policies, assignment of lab and/or office space, and mediate graduate faculty and graduate student issues as necessary.
- Serving as a conduit of information between the Graduate College and the Graduate Council to the academic unit faculty, staff, and graduate students.
- Collaborating with the chair/director and faculty colleagues to ensure rigor, quality, and maintenance of high standards of scholarship and graduate instruction within the unit's graduate programs, and the appropriate development of, and modification to, curriculum and programs.
- Serving as an active participant and fulfilling duties on at least one appointed position on the Graduate College committees and in Graduate Council meetings. Council and Committee meeting attendance, or designation of an appropriate proxy, is mandatory for members of the Graduate Council.
- Participating in Graduate College signature events is encouraged.
- Conveying Graduate College news, information, events, and opportunities for graduate student professional and career development to graduate students and faculty colleagues in a timely manner.
- Timely and accurately completing the Annual Graduate Coordinator Report each spring.

Graduate Coordinators are required to know and follow the relevant State of Nevada and federal laws, the NSHE Code, the UNLV Bylaws, the Graduate College Bylaws and the Graduate College Handbook. No policies or procedures employed in an academic unit or graduate program may supersede or contradict standing law or policy. Coordinators are fully responsible and accountable for all described duties, roles, and expectations outlined in the Catalog, the Graduate College Bylaws and the Graduate College Handbook, even if coordinators delegate their responsibilities in whole or parts to others.

Please see the Graduate Faculty Handbook for additional information on the Roles and Responsibilities of Graduate Coordinators.

Graduate Syllabi Policies

All instructors are required to follow the Minimum Criteria for Syllabi established by the Faculty Senate and the Office of the Executive Vice President and Provost (see unlv.edu/about/policies/current-policies and search 'syllabi' in the box at the top of the page). Graduate instructors must hold the appropriate GFS in order to be eligible to teach 500-800+ level courses.

Graduate Faculty Status (GFS)

GFS is a prestigious position reserved for those with terminal degrees who are highly engaged in creative, academic, and research activity as assessed by their

department/school, college dean, and Graduate College dean. It affords qualified individuals the privilege to teach, mentor, and/or advise graduate students as a member of the UNLV graduate faculty. You must obtain GFS to be eligible to teach graduate courses, mentor/advise students and serve as graduate coordinators and/or on Graduate Advisory Committees (GACs).

Note the following important points to understand GFS:

- Faculty hold GFS in specific departments, schools, or colleges. Faculty may opt to apply for GFS in multiple academic units if they have research credentials and publications that cross disciplines.
- Faculty who hold GFS in a unit (department, school, or college) may not serve in the role of Graduate College Representative (GCR) for any students in the said unit. If faculty hold GFS in multiple academic units, they may not serve in the role of GCR for any students in those particular units. For example, if the student is in Academic Department X, the GCR may not hold GFS in Academic Department X. Rather, the GCR must hold approved GCR privileges in Academic Department Y at UNLV.
- Only graduate faculty in academic units that have active graduate programs may be eligible to serve as GCRs for those students matriculating in academic units in which the faculty does not hold GFS.
- Professors-in-residence (PIR) or faculty-in-residence (FIR) are generally not eligible to hold GFS because of the nature of their teaching positions and heavy teaching load. However, if a PIR or FIR holds a terminal degree, is demonstrably research active, and is supported by their department and academic dean, the Graduate College may grant them GFS.
- No one may teach graduate-level courses unless they hold appropriate level GFS.

GFS Privileges Table

Graduate Faculty Status (GFS) is organized as follows:

Level	Privileges	Doctoral GAC Chair	Doctoral GAC Member	Master's GAC Chair	Master's GAC Member	Graduate College Rep	Teach all Levels	Teach Master's Only	Extra GAC Member ONLY
1	Doctoral GAC Chair* All Levels	X	X	X	X	X	X		
2	GAC Member All Levels		X	X	X	X	X		
3	GAC Chair Master's Only			X	X	X		X	
4	GAC Member Master's Only				X	X		X	
5	Graduate Instructor 1						X		X
6	Graduate Instructor 2							X	X
7	Extra GAC Member only (non-voting member)								X

- GFS comes with cascading levels of privileges as outlined below. The privileges associated with a person's GFS shall reflect: 1) highest degree earned; 2) an assessment of qualifications by department peers, chair, and deans (academic and graduate) especially with respect to the individual's research, scholarship, and/or creative activities; and 3) their role(s) in graduate education (See GFS Privileges Table below).
- Members of students' Graduate Advisory Committees (GACs) must hold the appropriate GFS privileges to serve in each position. For additional information, review the GAC guidelines and requirements.
- Minimal GAC composition includes a chair, 2 graduate faculty committee members with GFS in their department/school, and a GCR with appropriate GFS privileges outside the student's department/school as reflected on the GFS list posted on the Graduate College website.
- Note that after a student seats a full GAC, they may add anyone they like to the committee as a participating member (with advisor approval and must hold GFS at UNLV). Additional members joining a full GAC will be a voting member if they have been granted the following GFS privileges (See GFS Privileges Table below) in the students' home department:
 - for master's committees, the additional member hold at least the "GAC Member Master's Only" (Level 4 or above)
 - for doctoral committees, the additional member hold at least "GAC Member All Levels" (Level 2 or above)

The additional member is a non-voting member if they solely hold the "Extra GAC Member-only" designation (Level 7).

Full GFS guidelines may be found here. Questions regarding GFS should be directed to GradFacStatus@unlv.edu.

GFS is closely related to UNLV guidelines regarding who can serve in which roles on students' GACs. Tenured and tenure-track faculty and approved FIRs/PIRs in departments with graduate programs may qualify to serve as GCRs as an additive privilege to the Graduate Faculty Statuses above. UNLV faculty/lecturers/instructors with short-term contracts, employed in non-graduate degree-granting departments, and those who are not research active and recently published, as well as non-UNLV community members, and faculty at other universities may not serve in the role of as GCRs on students' GACs, though they may serve as an Extra Member on a student's GAC. Please see the GAC guidelines.

*Co-Chairs: Must have GFS somewhere at UNLV (either all privileges or committee member designation. Please note that faculty may retain their sole chair role for one year after departing UNLV. They may be co-chairs or members after the one year period. Faculty with GFS at UNLV can co-chair unless they only have instructor or extra member status. The co-chair shares advising responsibilities with the other co-chair.

Information About The Graduate Curriculum

Graduate School Experience

The reasons for enrolling in graduate school are as varied as the people who make up the graduate student population. The decision to seek an advanced degree means that you share with other UNLV graduate students a spirit of adventure that comes with discovery — the discovery of new information, new skills — and discovery of the depths of your intellectual abilities. You will also share a capacity for hard work, because graduate study, whatever the subject matter, is difficult. But at the end of the rigorous and oftentimes exhilarating graduate coursework and research in your chosen field, you will have the satisfaction of having mastered a body of knowledge that places you in an elite group. Earning your graduate degree will be an achievement that marks the beginning of a professional career, more than an end of your academic studies. Your graduate degree will prepare you to engage with other experts in your field and to move forward to make notable contributions in your area of study and beyond.

Curricular Terminology

Academic Program: A graduate academic program is a term used in MyUNLV to define the area that houses an academic plan. This is typically aligned with the academic department or school that owns the academic plan.

Academic Plan: A graduate academic plan is a defined course of study recognized at UNLV and approved by NSHE that leads to a degree or certificate. An academic plan at the graduate level may include master's degree programs, Education Specialist and Artist Diploma degree programs, doctoral degree programs, and certificate programs.

Academic Subplans: A subplan is a term used within

MyUNLV. Each academic plan may have zero, one, or multiple subplans and these are designated for each plan in the Graduate Catalog. At the graduate level, there are two types of subplans utilized in MyUNLV: concentrations and tracks.

- Concentrations: Concentrations may be created within an academic degree program plan. A concentration generally consists of at least nine credits and is a grouped set of courses from one or more subject matter areas that are related to the academic program plans' discipline. Concentrations may appear on transcripts.
 - Sample of the top of a graduated student's transcript where a concentration subplan appears:

Tracks: Degree tracks may also be created as a type of academic degree program plan. Academic degree program plans may be labeled by tracks which are culminating experiences and/or program types which include post-bachelor's, post-master's, dual or accelerated. Tracks never appear on transcripts.

Emphasis: An academic plan may also include smaller groupings of courses known as emphases. Emphases are smaller groups of courses than concentrations, and they simply allow a slightly more focused plan of study for students within the academic plan. Emphases are only recognized by departments and schools. It is important to note that emphases are not tracked, students do not apply to them, they do not appear in MyUNLV, and they do not show up anywhere on UNLV student transcripts.

Types Of Graduate Experiences - Academic Program Offerings

The graduate curriculum is designed to educate, train, and mentor graduate students to ensure success in their graduate programs and diverse careers. The Graduate College publishes an annual Graduate Catalog containing the official graduate curriculum and strives to ensure that no other websites or resources contain course lists or program requirements so that there's no duplication or discrepancies.

Prospective graduate students are subject to the admissions requirements of the Catalog that is active during the admissions season. Admitted graduate students are subject to the program and degree requirements in the Catalog that is active during their first semester. Students, with approval of their department, may switch to the program and degree requirements in any Catalog in effect from admission until the term graduation.

Additionally, the graduate faculty is responsible for and owns the graduate curriculum. Graduate faculty initiate and approve new courses and programs, as well as changes to the graduate curriculum. The Graduate College promotes graduate programs and curricular excellence by collaboratively working with faculty on the development of impactful new courses, certificates, and programs, as well as thoughtful changes to improve the existing curriculum. The Graduate College's role is to support faculty who design, build, implement, and own the graduate curriculum.

Academic Degree Program Types

At UNLV, we offer graduate degrees at the master's, specialist/artist diploma, and doctoral levels. The following program types are offered:

Program Track Options

- Accelerated undergraduate to graduate programs (Undergraduate to Graduate, High School to Graduate)
- Traditional and executive master's programs
- Bachelor's to doctorate programs
- Post-master's doctoral programs

Credential Types

- Master's programs (professional and research-based)
- Doctoral programs (professional and research-based)
- Artist diploma programs
- Educational specialist programs

Simultaneous Enrollment In Multiple Graduate Programs/Certificates

- Dual graduate degree programs in which some program credits are shared
- Concurrent degrees in which a student matriculates simultaneously through two programs without sharing any credits
- Graduate certificates (post-bachelor's and post-master's tracks: either enroll as a stand-alone experience or add to a program for a graduate minor)

Interdisciplinary graduate programs

- Graduate interdisciplinary certificates and degrees are housed in the Graduate College and run by a group of faculty from two or more schools or colleges.

Program Track Options

Accelerated Degree Programs

Accelerated degrees, sometimes referred to as integrated bachelor's to graduate programs or undergraduate bridge programs, provide an accelerated path to earning both a baccalaureate and a graduate degree.

Accelerated programs are approved through the standard university and Graduate College curriculum and program approval processes and are not available for individual student design. A list of approved accelerated programs is below.

- Master of Arts - Economics
- Master of Arts - English
- Master of Arts - Political Science
- Master of Science in Aerospace Engineering
- Master of Science - Biomedical Engineering
- Master of Science in Computer Science
- Master of Science in Engineering - Civil and Environmental Engineering

- Master of Science in Engineering - Electrical Engineering
- Master of Science - Management Information Systems
- Master of Science - Materials and Nuclear Engineering
- Master of Science in Engineering - Mechanical Engineering
- Master of Social Work
- Doctor of Philosophy - Computer Science
- Doctor of Philosophy - Electrical Engineering
- Doctor of Philosophy - Mechanical Engineering
- Dual Degree: Master of Science in Engineering - Electrical Engineering and Master of Science - Mathematical Sciences
- Dual Degree: Doctor of Philosophy - Electrical Engineering and Master of Science - Mathematical Sciences

Traditional Master's and Executive Master's Programs

UNLV offers master's degrees in a wide variety of disciplines. Two common types are the Master of Arts and Master of Science. Specialized master's degrees may also be offered which include Master of Business Administration (MBA), Master of Fine Arts, etc. Many master's programs consist of 30-40 credits within an area of study; but specialized master's programs, such as the MBA, M.Arch, MFA, and the like, may have more credit requirements and some are considered terminal degrees in their field.

In addition to varying types of master's degrees, there may be different ways or formats in which degrees are offered. Executive master's degrees are generally designed for mid-career professionals who are employed full-time. As such, they may have the same or similar requirements to the traditional master's programs, but courses are designed in convenient offerings to better match working professionals' schedules.

Bachelor's-to-Doctoral Programs

Bachelor's-to-doctoral degree programs admit students possessing a four-year baccalaureate degree from a regionally accredited institution directly into a doctoral program, without requiring completion of a master's degree first. Some programs are designed in a way that allows for the award of an embedded master's degree while in the process of completing doctoral degree requirements. These types of degree programs allow for the specialization of a particular area of study with candidates being awarded a doctoral degree after meeting all degree requirements, including a successful dissertation or doctoral project defense.

Post-Master's Doctoral Programs

These types of degree programs admit students who already have earned a master's degree into a doctoral program. There are generally fewer course requirements in these doctoral programs because students have already completed a master's degree. Students are awarded a doctoral degree after fulfilling all degree requirements, including a successful dissertation or doctoral project defense.

Credential Types

Professional Master's Programs

Professional master's degree programs are often connected to workforce needs and typically focus on skills and knowledge to prepare candidates for career-oriented professional positions in their chosen field, and may involve licensure. Generally, professional master's students' culminating experiences are projects, internships, field experiences, exams, capstone classes, or the like.

Research Master's Programs

Research master's degree programs are typically oriented towards research and scholarship in preparation for a research career, leadership position, or a stepping stone for entry into a doctoral program in a chosen field.

Professional Doctoral Programs

Professional doctoral degree programs focus on research related to professional expertise and practice more than basic research. These programs prepare candidates to be experts in a professional field and highly skilled leaders who have mastered a knowledge base that will inform practice in their chosen discipline. Students complete a dissertation or doctoral project. These are terminal degrees in their field.

Research Doctoral Programs

Research doctoral degree programs are oriented toward original research and scholarship. Graduates of these types of programs are prepared to conduct original research and make contributions to their field by contributing discoveries or new knowledge. Students complete a dissertation. The degree awarded is the terminal or highest degree in the field.

Artist Diploma Programs

This type of degree is typically focused on arts-based coursework with students being admitted into the program only after achieving at least one major degree such as a bachelor's and/or master's degree. This program is often reserved for musicians and artisans who display the highest caliber of musical or artistic accomplishments.

Educational Specialist (Ed.S.) Programs

These professional degrees are unique to the field of education and offer advanced studies for educators (teachers, administrators, etc) to gain specialized knowledge in a field of study (e.g., educational technology, principal leadership, early childhood, etc.). The degree is generally considered more advanced than a master's degree and typically requires fewer credit requirements and less research than a Ph.D. or Ed.D.

Simultaneous Enrollment In Multiple Graduate Programs/Certificates

Dual Degree Programs

Dual degrees are formal programs and approved through the graduate curricular processes, where students are simultaneously enrolled in both that result in the awarding of two degrees. The primary benefit of dual degrees is that the total number of credits required to earn them is reduced. UNLV offers dual degrees between two graduate programs and between a graduate program and a professional program.

For dual graduate programs, students must be admitted to both degrees and both degrees will be conferred simultaneously in the same semester even if all requirements for one are completed before the other.

For dual programs between a graduate degree and a professional degree in the Boyd School of Law, Medical School, or School of Dental Medicine, students must be simultaneously enrolled for the majority of both programs.

On the recommendation and approval of both the graduate program and professional school, the professional degree may be conferred slightly prior to the graduate degree. However, in these special situations, the graduate degree must be conferred within one year (three semesters, including summer) of the professional degree, or the student will be required to complete all the requirements of the standalone graduate degree for that degree to be conferred.

Below is a list of currently approved dual degree programs.

- Dual Degree: Master of Arts - Economics and Master of Science - Mathematical Sciences
- Dual Degree: Master of Business Administration and Doctor of Dental Medicine
- Dual Degree: Master of Business Administration and Juris Doctor
- Dual Degree: Master of Business Administration and Master of Science - Hotel Administration
- Dual Degree: Master of Business Administration and Master of Science - Management Information Systems
- Dual Degree: Master of Business Administration and Master of Science - Quantitative Finance
- Dual Degree: Master of Business Administration and Juris Doctor
- Dual Degree: Master of Science in Engineering - Electrical Engineering and Master of Science - Mathematical Sciences
- Dual Degree: Master of Science - Hotel Administration and Master of Science - Management Information Systems
- Dual Degree: Master of Social Work and Juris Doctor
- Dual Degree: Doctor of Philosophy - Educational Psychology and Juris Doctor
- Dual Degree: Doctor of Philosophy - Electrical Engineering and Master of Science - Mathematical Sciences

- Dual Degree: Doctor of Philosophy - Higher Education and Juris Doctor
- Dual Degree: Doctor of Philosophy - Special Education and Juris Doctor

Concurrent Degrees

Graduate students may pursue a concurrent or double degree. Concurrent or double degrees may be earned when a student enrolls in two programs simultaneously. Students who are concurrently enrolled in more than one graduate degree must be admitted, enrolled, and complete all of the requirements for both degrees; there can be no “sharing” or double counting of degree requirements or course credits. Graduate students must complete the full application process for each degree and receive permission from both academic departments and the Graduate College dean by submitting a Concurrent Degree Enrollment Approval form (see also: student forms)

Please note that concurrent degrees differ from “dual degrees.” See dual degrees for more information.

Graduate Certificates for Graduate Minors (Post-Bachelor’s and Post-Master’s)

Graduate certificates are formal academic credentials which students apply for admission to, matriculate through, and complete in the same manner as graduate degrees. However, graduate certificate programs are generally faster to complete. They are generally 12-18 graduate credits, similar to minors, that allow students to gain specialized skills and expertise. They help build skills, develop focused areas of expertise, and enhance resumes and vitae.

Students may enroll in certificate programs either as a stand-alone educational experience to earn the credential or as an additional credential (like a graduate minor) earned while also working on a graduate degree. Certificate course credits earned before your graduate or professional degree, or simultaneously, may be approved to be used toward your graduate degree program. Students who are admitted and enrolled solely in certificate programs may not be eligible for federal financial aid or Graduate College scholarships or fellowships (Please see UNLV’s Financial Aid & Scholarships). For more information about graduate certificates, please visit our graduate certificates webpage.

Interdisciplinary Graduate Programs (IDGPs)

IDGPs are a growing part of graduate education at the master’s and doctoral level at UNLV, and a thriving part of graduate communities on most Top Tier campuses. IDGPs are graduate programs that cross departments, schools, and/or colleges, with participating faculty from multiple disciplines. Each IDGP has its own affiliated faculty, a program director, and an executive committee who together manage the graduate program. All IDGPs are structurally housed in the Graduate College and are run by faculty from two or more schools or colleges.

Developed to address regional, national, and global issues and complex questions that are best answered by multiple perspectives and transdisciplinary expertise, IDGPs generate transformative knowledge and often fill a gap in specialized workforce needs. Interdisciplinary graduate programs provide the student with educational and career opportunities across numerous disciplines, unlike what is delivered within the boundaries of a single department curriculum. The combination of faculty expertise across departments and schools/colleges provides the student with a broad perspective of the content area.

Non-degree-seeking Status

Non-degree-seeking status is designed for individuals with a bachelor’s degree who wish to enroll in selected graduate-level courses without being admitted to a graduate degree/certificate program. For information about a non-degree seeking application, admission, and enrollment policies, please see Graduate Non-Degree-Seeking Information and also the Graduate College website.

Graduate non-degree-seeking students may enroll in up to 15 credit hours during the fall and spring semesters and up to 12 credits during the summer (no more than six credits in a single five-week term). Graduate non-degree-seeking students are not eligible for federal financial aid or Graduate College scholarships or fellowships.

A graduate non-degree-seeking student wishing to seek a degree must separately apply for admission to the Graduate College and pay an application processing fee. A maximum of 15 credits of graduate-level coursework taken with grades of B or better as a graduate non-degree-seeking student may count toward the degree program at the discretion and approval of the graduate coordinator, and/or department chair, and Graduate College dean.

To remain active and eligible to enroll, graduate non-degree-seeking students must maintain at least one credit of enrollment in each rolling six semesters. Graduate non-degree-seeking students who do not meet this requirement will have their status deactivated and need to reapply in order to enroll in future courses.

Graduate Students In Undergraduate-Level Courses

For information about the policies about graduate students enrolling in undergraduate-level courses, please see registration, enrollment and curricular policies.

If a graduate student enrolls in undergraduate-level courses in their graduate career (under a graduate non-degree-seeking or graduate degree- or certificate-seeking program), the undergraduate course enrollment will be marked as “cross-career” on the student’s official transcript and those courses will not contribute to earned credits or graduate GPA.

- If graduate students need undergraduate-level courses to show as earned credit on their transcript for employment or educational reasons, they must submit and pay for an undergraduate non-degree seeking application through the

Office of Undergraduate Admissions and register for those courses in an undergraduate career.

- If a graduate student takes undergraduate courses in their graduate career and needs them changed to reflect earned credit at a later date, they will be required to submit and pay for an undergraduate non-degree seeking application through the Office of Undergraduate Admissions in order for the coursework to be moved.

Academic Certificate And Degree Programs

Degree Programs

Please access here our complete list of Degree Programs.

Academic Certificate Programs

Date	Information
Department/School	Certificate Name
School of Architecture	Graduate Certificate in Hospitality Design
Counselor Education, School Psychology, and Human Services	Advanced Graduate Certificate in Addiction Studies
Counselor Education, School Psychology, and Human Services	Advanced Graduate Certificate in Mental Health Counseling
Criminal Justice	Graduate Certificate in Emergency Crisis Management Cybersecurity
School of Dental Medicine	Certificate in General Practice Residency
Early Childhood, Multilingual, and Special Education	Graduate Certificate in Early Childhood Special Education - Infancy
Early Childhood, Multilingual, and Special Education	Graduate Certificate In Early Childhood Special Education-Preschool
Early Childhood, Multilingual, and Special Education	Graduate Certificate in English Language Acquisition & Development (ELAD)
Early Childhood, Multilingual, and Special Education	Graduate Certificate in Leadership in English Language Acquisition & Development (LELAD)
Early Childhood, Multilingual, and Special Education	Graduate Certificate in Special Education
Educational Psychology and Higher Education	Graduate Certificate in Chief Diversity Officer in Higher Education
Educational Psychology and Higher Education	Graduate Certificate in College Sport Leadership
Educational Psychology and Higher Education	Graduate Certificate in Higher Education
Educational Psychology and Higher Education	Graduate Certificate in Program Evaluation and Assessment

Date	Information
Environmental and Occupational Health	Graduate Certificate in Infection Prevention
Environmental and Occupational Health	Graduate Certificate in Public Health
Film	Graduate Certificate in Writing for Dramatic Media
Finance	Graduate Certificate in Finance (ON HOLD)
Health Physics and Diagnostic Sciences	Advanced Graduate Certificate in Medical Physics
William F. Harrah College of Hospitality	Graduate Certificate in Gaming Management
College of Liberal Arts	Graduate Certificate in Social Science Methods
Management Entrepreneurship and Technology	Graduate Certificate in Data Analytics (ON HOLD)
Management Entrepreneurship and Technology	Graduate Certificate in Management (ON HOLD)
Management Entrepreneurship and Technology	Graduate Certificate in Management Information Systems
Management Entrepreneurship and Technology	Graduate Certificate in New Venture Management
Business Administration Programs	Graduate Certificate in Business Administration
Mechanical Engineering	Graduate Certificate in Nuclear Criticality Safety
Mechanical Engineering	Graduate Certificate in Nuclear Safeguards and Security
School of Music	Graduate Certificate in Teacher Licensure K-12 Music
School of Nursing	Advanced Graduate Certificate in Biobehavioral Nursing (Postdoctoral)
School of Nursing	Advanced Graduate Certificate in Emergency Nurse Practitioner
School of Nursing	Advanced Graduate Certificate in Nursing Education (Post Master's)
School of Nursing	Advanced Graduate Certificate in Psychiatric Mental Health Nurse Practitioner
School of Nursing	Advanced Graduate Certificate in Psychiatric Mental Health Nurse Practitioner for the FNP
Psychology	Graduate Certificate in Quantitative Psychology

Date	Information
School of Public Policy and Leadership	Graduate Certificate in Nonprofit Management
School of Public Policy and Leadership	Graduate Certificate in Public Management
Howard R. Hughes College of Engineering	Graduate Certificate in Solar and Renewable Energy
Teaching and Learning	Graduate Certificate in Career and Technical Education
Teaching and Learning	Conditional Licensure Certificate For Elementary Teaching
Teaching and Learning	Graduate Certificate In Global Teaching
Teaching and Learning	Graduate Certificate In Global Teaching Research
Teaching and Learning	Graduate Certificate in K-8 Integrated STEM Education
Teaching and Learning	Graduate Certificate in Leadership for Teachers and Professionals
Teaching and Learning	Graduate Certificate in Multicultural Education
Teaching and Learning	Graduate Certificate in Online Teaching and Training
Teaching and Learning	Graduate Certificate in Social Justice Studies
Teaching and Learning	Conditional Licensure Certificate For Secondary Teaching
World Languages and Cultures	Graduate Certificate in Spanish Translation

Time-to-Degree: Timelines for Completing Degrees and Certificates

For information about Time to Degree Recommended Guidelines please see here, and also the progression and completion policies.

Graduate Financial Services

UNLV provides a wide variety of assistance to finance higher education expenses. Grants, scholarships, part-time employment, and educational loans are available to help students with educational costs while attending UNLV. Students are encouraged to explore all possible resources. For further information, contact UNLV's Financial Aid & Scholarships Office, located in the Student Services Complex, at (702) 895-3424. The Graduate Student Financial Services office cannot assist with financial aid but is able to assist with information regarding graduate assistantships, scholarships, fellowships, emergency retention grants and awards. The Graduate Student Financial Services office is located in the Graduate College on the 2nd floor of the Gateway building and can be reached via email at GradFinancialSVC@unlv.edu.

Financial Information

UNLV's tuition and fees are established by the NSHE Board of Regents. After you have registered for classes, you will receive an account statement with an estimated amount for your tuition and fees. Student account statements are emailed to students' Rebelmail every month once registration begins. These are a point in time snapshot of your account activity. For up-to-date account information, review your student account under the account inquiry section of your MyUNLV account.

Tuition and Fees

Fees: All fees assessed by the university are subject to change by the Board of Regents. Every effort is made to keep fees low as possible while still providing the necessary and desired level of service. Students who successfully get Nevada residency pay significantly reduced tuition. Out-of-state students or those who have not applied for Nevada residency are classified as nonresident students; nonresident tuition fees are higher as they are calculated to cover the majority of the direct cost of instruction.

Graduate Tuition and Fees

UNLV Tuition and Fees Information

Boyd School of Law Tuition and Fees

School of Dental Medicine Tuition and Fees

UNLV School of Medicine Tuition and Fees

Policy and Fee Information

Student Fees and Charges

- An application fee of \$60 (domestic) is charged to any person applying for admission. The application fee for international applicants is \$95.00, in addition to fees for foreign credential evaluation if necessary. All application fees are nonrefundable and not applicable to any other applications.
- It is the policy of the Board of Regents that the registration fee be the only fee assessed for taking a course except as otherwise outlined in this section. The reasons for these exceptions are extraordinary instruction costs due to:

- Individual instruction such as private music lessons
- Class supplies, course-specific software, and specialized equipment such as welding equipment and materials
- Third party charges for use of a facility
- Special transportation requirements
- Extraordinary instructional costs such as intensive supervision, support, or additional technical expertise required for the delivery of the course
- Some combination of these reasons
- Differential program fees in select graduate programs may be assessed.
- The following fees are either assessed or identified at registration:
 - A late registration fee of \$50 per course may be assessed to students who don't meet the course registration deadline. Summer term students are assessed a late registration fee of \$50. In case the time designated for registration is not adequate, the registrar may defer the assessment of this fee for one day.
 - Returned Check Fee. Personal checks are accepted in payment of fees owed to the university, although no counter checks or checks altered in any way are accepted. A collection fee of \$25 is assessed for any check returned unpaid by a bank. If a personal check is returned from the bank, the university reserves the right to place the student on a cash basis only and withdrawal procedures may be initiated at the option of the university. A stop payment placed on a check does not constitute withdrawal from courses. Official withdrawal must be processed as returned checks and are subject to the same fees and collection cost.
 - A graduation and program completion fee of \$75 will be billed to the student's account after the application for graduation is completed through MyUNLV. Students who apply after the application deadline will be assessed a \$20 late fee. A graduation application is good for two consecutive semesters. If a student still has not graduated after the two semesters have concluded then the student will need to submit a new application along with another \$75 fee.
 - Surcharge Fee for 2020-2021 Academic Year. As a result of the recent budget cuts, the Board of Regents approved Graduate (\$8 per credit) Surcharge fee at their meeting on 7/23/20. These surcharges are currently scheduled for the 2020-2021 Academic Year.

Student Health Fee and CAPS - Counseling and Psychological Services Fee

The Student Health program fees for fall, spring, and summer semester classes are not to be confused with the mandatory UNLV Graduate and Professional Student Health Insurance plan. Student Health Program fees are applicable to all students regardless of health insurance status, and they are used to support various services offered by the Student Wellness Center.

The Student Health program facilitates on-campus educational experiences and leadership opportunities

for all UNLV students; is responsible for public health protection of the UNLV community; provides access to health care and provisions; coordinates health needs for students; provides student counseling and psychological services; and includes the Jean Nidetch CARE Center, which caters to all students.

Grant-in-Aid

Each student is expected to pay all assessed fees by the time payment is due unless a grant-in-aid is secured prior to registration day and processed before payment is due. Students are responsible for paying their tuition and fees on time. Late fees and/or withdrawal may be initiated for unpaid tuition and fees and/or reported to a credit bureau. Legal proceedings may be initiated for any default accounts receivable. If tuition is paid before grant-in-aid is processed, a refund will be issued for the portion covered by the grant-in-aid.

Delinquent Accounts

A student or former student having a delinquent accounts receivable of \$100 or more, or an overdue loan of any amount with any member institution of the NSHE shall not be permitted to register at any institution. For the purposes of this Section, "delinquent accounts receivable" is defined to include tuition and registration fees, student fees, special courses fees and residence life charges billed to a student's account in the student information system. An NSHE institution may include other fee categories as they deem appropriate in determination of a delinquent account.

A student or former student having a delinquent account receivable or an overdue loan of any amount with any member institution of the NSHE shall not be permitted to receive a transcript of academic record, a diploma, a certificate or report of semester grades. The student or former student may, however, inspect the records under the provisions of the federal Family Educational Rights and Privacy Act (FERPA) 20 U.S.C. § 1232(g), 34 CFR Part 99

In addition, institutions may refer delinquent accounts receivable of \$100 or more and overdue loans of any amount to a collection agency following written notification to the student or former student. Please see the university's collection policies to view the collections timeline.

Deferred Payment Option

Payment Plans are available in MyUNLV self-service to students who are registered for one or more credits. There is a \$45 nonrefundable fee for all payment plans. The \$45 fee and the first installment are due by the published due dates in MyUNLV. Contracts for a deferred payment plan are available online to students during fall and spring semesters. Please log in to MyUNLV and proceed to your Student Center page. It is the student's responsibility to ensure that they follow their payment plan schedule. Any unpaid balance on a deferred payment plan becomes a

student's account receivable on the final due date and is treated as an official fee hold for future registrations and transcript privileges. A penalty fee of 10 percent (minimum \$10) will be charged per installment not paid by the due date. Failure to pay may constitute withdrawal from the university. The tuition will still be owed, but the student will not receive credit for the courses. Any delinquent accounts may be reported to a credit bureau. All delinquent accounts not paid as required will be sent to a collection agency. The student is responsible for all collection costs, attorney fees, etc. All students must pay their tuition and fees in full by the published payment deadlines or be on an approved payment plan to be considered enrolled for the semester. The university reserves the right to deny deferred payment to any student who does not pay tuition and fees as scheduled, including late fees.

Refund of Fees

Students must drop all courses on the MyUNLV Registration website to receive a credit or refund. Students who withdraw from the university receive a refund of fees according to the posted schedule which is subject to change by the Board of Regents.

Please note: Refunds for courses dropped or total withdrawals for the current semester made before the deadlines posted on the Cashiering & Student Accounts Student Refunds page will be disbursed via mail or direct deposit.. Students will not receive a refund for total withdrawals unless a total withdrawal form is filed with the Registrar's Office. Courses dropped during the approved refund periods are processed as a credit to the student's account. A refund will be processed if the student's account results in a negative balance. Per our credit card merchant agreement, if you paid tuition and fees with a credit or debit card, the card will be refunded first.

Financial aid recipients must refer to the financial aid withdrawal policy to understand how a complete withdrawal may affect their financial aid status and possibly result in an amount owed to the university.

Under special circumstances, students dropping courses or making total withdrawals after the posted deadlines may apply for a refund using the Fee Appeal Form. Please visit the Student Refunds page for additional important information about the refund policy.

Room and Board Refund

Refunds of residence hall and food service charges are outlined in the Residence and Dining Hall contract. Students must contact Housing and Residential Life to obtain information regarding refunds and a release from contract obligations.

Tuition and Fee Appeals

Appeals regarding financial issues (e.g., tuition refund, tuition waiver, student fees, late fees, etc.) must be submitted separately to the UNLV Cashiering and Student Accounts Office using their Fee Appeal Form available here. If an appeal involves both an academic and financial

issue, the student should submit an academic appeal first to the Graduate College and wait for a decision before commencing with the financial appeal to the Student Accounts Office. For further information concerning the financial appeal process please visit the cashiering and student accounts appeal site.

Tuition, Fees, And Financial Aid

The tuition estimator will provide an estimate of the tuition and fees students can expect to pay for the upcoming semester. When choosing a college, the cost is often a deciding factor. How much you need to save, and how much aid you'll need are instrumental in budgeting for college costs. The information here, reflecting a nine-credit semester for graduate students, will help to determine your tuition and fees. Additional assistance on financial planning can be found at Grad Sense.

UNLV's priority financial aid consideration deadline is Nov. 1 of each year. Students may still apply for financial aid after Nov. 1, however, there may be limited funding.

Grad Student Health Insurance Information

Mandatory Graduate and Professional Student Health Insurance

Students who are admitted into a graduate or professional program and are enrolled in nine credits (regardless of the course level) in a semester, and all international students and graduate assistants, will be automatically billed for student health insurance. U.S. students who already have health insurance must complete the UNLV online health insurance waiver form available here to waive out of the UNLV student health insurance. Once approved, a health insurance waiver is good for one academic year. This mandatory health insurance information webpage is for domestic graduate students.

All international graduate students are required to carry student health insurance, at the same rates as posted below, and the cost will be automatically added to your student account. International students who wish to waive out of the UNLV student health insurance must contact the Office of International Students and Scholars (OISS) for further information. Also, any international graduate students with insurance questions must contact OISS directly. OISS is located in the Office of the Registrar (SSC-C); their phone number is 702-774-6477 and their email is oiss@unlv.edu.

For more information on Graduate Student Health Insurance fees, please refer to the Mandatory Graduate and Professional Student Health Insurance page of the Graduate College website.

Effective fall 2013, students who are admitted into a graduate or professional program and are enrolled in nine credits (regardless of the course level) in a semester, and all graduate assistants, will be automatically billed for student health insurance. It is then incumbent upon those students who already have health insurance to complete the UNLV online waiver form to waive out of the

UNLV student health insurance. Once approved, a health insurance waiver is good for one academic year.

The cost for the UNLV Graduate and Professional Student Health Insurance for the current academic year can be found on the Mandatory Graduate Student Health Insurance page.

Please note that all graduate and professional students who do not waive out of the UNLV Student Health Insurance for the spring semester will be enrolled in the spring/summer insurance plan; these are combined and there is not an option to be enrolled in spring only.

The cost for the UNLV Mandatory Graduate and Professional Student Health Insurance in academic year 2020-2021:

Graduate, Law, and International Students (8/16/20-8/15/21)

Fall: \$1,146

Spring/Summer: \$1,662

Nursing Graduate Students (9/1/20-8/31/21)

Fall: \$969

Spring/Summer: \$1,838

Dental and School of Medicine Students (7/1/20-6/30/21)

Annual: \$2,639

Spring/Summer 2021 Only: \$1,309

Please note that all graduate and professional students who do not waive out of the UNLV Student Health Insurance for the spring semester will be enrolled in the spring/summer insurance plan; these are combined and there is not an option to be enrolled in spring only.

FAFSA and Alternate Need Determination Form

Applying for financial aid is the first step in becoming eligible for student loans, scholarships, and fellowships. Complete the Free Application for Federal Student Aid (FAFSA) online. UNLV's school code to complete your FAFSA is 002569. Complete and sign your FAFSA with your PIN as soon as possible by Nov. 1 of each year, even if you don't expect to be eligible for financial aid or you do not want student loans. Submitting your FAFSA may qualify you for certain scholarships or fellowships. FAFSA-ineligible students will be considered for institutional funds by submitting the Alternate Need Determination Form. This form can be submitted through the student portal, in person at the UNLV Financial Aid & Scholarships Office, or by fax at (702)-895-1353. UNLV's priority financial aid consideration deadline is Nov. 1 of each year. You may still apply for financial aid after Nov. 1; however, there may be limited funding from other aid programs.

Federal Loan Programs

Unsubsidized Loans

An unsubsidized loan is available to students regardless of financial need. You must be enrolled at least half time to be considered for this loan. You will be charged interest from the time the loan is disbursed until it is paid in full.

Graduate PLUS Loans

A Graduate PLUS Loan allows graduate students to borrow up to the financial aid cost of attendance less any other financial aid received. Please visit UNLV Financial Aid - Graduate PLUS Loans for more details.

On-Campus Employment

Several campus departments and offices employ students in a variety of positions. These jobs can be viewed on the Career Services website, or on UNLV's Financial Aid & Scholarships website. On-campus employment listings are available to graduate students enrolled in at least five credits at UNLV. Financial need is not a criterion for on-campus employment.

Job Location and Development

On- and off-campus employment opportunities are advertised on UNLV Handshake. These jobs can be viewed on the Career Services website.

Federal Work Study

The Federal Work Study Program is a federally funded financial aid program awarded as part of the financial aid package. This program enables students to earn a portion of their college expenses through employment with a UNLV department or office or off campus with contracted nonprofit agencies. Please refer to the Federal Work Study page on the Financial Aid website for more information.

Graduate Financial Services

Recruitment Awards

Recruitment awards are distributed to academic departments each December to be used for graduate student recruitment efforts for the following summer and fall terms. Recruitment awards are to be used for the recruitment of the program's best prospective students in support of R2PC planning efforts and to support diversification of the study body, and can only be awarded to newly admitted students enrolling in the upcoming summer or fall semester. Recruitment awards will be included on the admission offer letter, if awarded.

Emergency Retention Grants

This Graduate College program provides emergency financial assistance on a one-time basis to graduate students in need to help them progress to graduation. Our goal is student success and degree completion. Retention funds for graduate students should be perceived as funds of last resort when all other financial avenues have

been exhausted and when a student needs a one-time financial boost to surpass an unexpected hurdle. If a student requests retention funds to minimize subsidized, unsubsidized and Perkins loan indebtedness, this alone is not a sufficient reason to approve the request. A student who does not want to work or borrow a federal student loan is not considered a special circumstance. Retention funds should not be perceived as an alternative “reward” system for students with high GPAs, graduate assistants, or students who did not receive another scholarship/grant. Retention funds must be utilized with retention in mind. The recommending department and dean must be able to show that the nominated student:

- Has exhausted other avenues for financial support;
- Has met all guidelines specified herein;
- Is a student in good standing who is progressing successfully and appropriately in their program (up-to-date with all required forms, meeting degree milestones on scheduled, good GPA, etc.); and
- Has a strong likelihood of successfully completing their graduate program with the assistance of this one-time award.

Please see the website for more information about the Emergency Graduate Retention Award.

Graduate Access Scholarships

In order to improve the access of all students and to encourage participation in higher education a portion of registration fees are earmarked for student financial aid in the form of access scholarships and awards. UNLV Graduate Access Awards are auto-packaged through the Financial Aid & Scholarships Office each year. This award provides funding in fall and spring semesters to graduate degree-seeking students who demonstrate financial need, have a high GPA, and fall into other target financial aid categories. Students are considered for the auto-packaged graduate access award by filling out the FAFSA or the Alternate Need Determination Form by the priority deadline (Nov 1.) to determine need, and by meeting the GPA threshold. International students, and those who cannot fill out the FAFSA, are evaluated on GPA and the Alternate Need Determination Form. Beyond the auto-packaged access awards, the Graduate College distributes access funding to students in the form of scholarships, fellowships, emergency funding, recruitment scholarships, and for program participation.

Graduate Award Opportunities

UNLV Outstanding Graduate Student Teaching Award recognizes graduate students who have demonstrated strong pedagogical skills and successfully taught at least two complete classes as the instructor of record in the last three years at UNLV. The award is only for students who teach at UNLV.

UNLV Graduate College Outstanding Thesis & Dissertation Awards are given to students who successfully defended between August 1 of the previous and current year. Each college may nominate one outstanding thesis and one

outstanding dissertation. Nominations are due to the Graduate College Dec. 1.

Western Association of Graduate Schools (WAGS)/ProQuest Awards accepts nominations for outstanding graduate students from participating institutions for recognition. Each member institution may submit one nomination for each award. WAGS accepts nominations in four award categories. They are:

- The WAGS/ProQuest Innovation in Technology Award
- The WAGS/ProQuest Distinguished Master’s Thesis Award STEM
- The WAGS/ProQuest Distinguished Master’s Thesis Award Non-STEM
- The WAGS/ProQuest Distinguished Master’s Thesis and/or Final Master’s Capstone Project Award in the Creative, Visual and Performing Arts

Each college may nominate one outstanding nominee for each of the award categories. WAGS pays for the winners to attend the conference awards luncheon at the WAGS annual meeting and conduct a short presentation. Nominations are due to the Graduate College Aug. 1.

The Office of the Vice Provost for Faculty Affairs is responsible for the Nevada Regents’ Scholar Award. Please visit the Awards and Recognition page for additional information including application materials and deadline. See a list of previous winners.

Council of Graduate Schools (CGS) Award

The following awards programs are offered by the Council of Graduate Schools (CGS) to its institutional members. Each college may nominate one outstanding nominee for the student awards. Awards are presented at the CGS Annual Meeting to young scholars in recognition of their work, and institutional members are recognized for innovative programmatic efforts that benefit their graduate communities.

CGS/ProQuest Distinguished Dissertation

These awards are made annually to individuals nominated by a member institution, who have completed dissertations representing original work that makes an unusually significant contribution to the discipline.

Each college may nominate one outstanding nominee for this student award. Nominations are due to the Graduate College Dec. 1

Gustave O. Arlt Award in the Humanities

This award, established in 1972, is presented annually to a scholar-teacher in the humanities. The award and the fields of competition are determined each year.

Each college may nominate one outstanding nominee for the faculty award. Nominations are due to the Graduate College Dec. 1

ETS/CGS Award for Innovation in Promoting Success in Graduate Education: From Admission through Completion

This program recognizes promising efforts in initiating or scaling up innovations in graduate education that occur from admission through successful completion of a degree program, focusing especially on innovations that promise success of a diverse and inclusive student population.

The Grad Academy Professional Development Scholarships

Students can earn scholarships by participating in various professional development opportunities from The Grad Academy including: Ambassador Program, Grad Rebel Advantage, Research and Mentorship Program (RAMP), Grad Rebel Writing Boot Camp, Graduate Showcase, Rebel Grad Slam: 3-Minute Thesis Competition, Inspiration, Innovation, Impact & Research Forum. Information can be found on The Grad Academy website.

Other Funding Opportunities

Other sources of funding and support are available outside of the Graduate College include:

- UNLV's Financial Aid & Scholarships
 - The Financial Aid & Scholarships Office supports higher-education access and persistence by providing financial aid to eligible students
- Career Services
 - Career Services provides resources for resume building, interview preparation, and a wide variety of job and internship opportunities to get you started on your path to career success
- Supporting Our Students (S.O.S) Emergency Relief Fund
 - Thanks to generous funding provided by Charles Schwab Bank, the College of Education developed the Supporting Our Students (S.O.S.) Emergency Student Relief Fund to provide both one-time (per academic year) funding when assistance is needed with unexpected emergency situations as well as sustained financial coaching to develop budgetary literacy skills.
- Division of Research
 - UNLV's Division of Research creates a campus environment that supports and promotes superior research, creative, and scholarly pursuits, ensuring our students and faculty can recognize their full intellectual potential.
- GPSA Funding Opportunities
 - GPSA provides funding to support graduate and professional scholarly activities, such as conference travel, research materials, competitions, as well as other funding opportunities. Information about available funding, the application process, and deadlines can be found on the GPSA Funding Opportunities & Resources page.

Graduate Assistantship (Ga) Program

Graduate assistants play an indispensable role on campus, serving as research team members and instructors and augmenting classroom and laboratory learning. UNLV currently provides graduate assistantships in a wide variety of disciplines and nonacademic units. Students apply for GAs through their own Grad Rebel Gateway portals. Nonacademic units post GA position openings in UNLV Handshake and unfunded students should watch these listings and then apply via the Grad Rebel Gateway. Faculty who need assistance with research or course instruction may request GA positions through their department and academic dean.

Please reference the Graduate College GA Handbook to find all relevant information, policies, and guidelines related to the GA program, how to apply for a GA, GA expectations, how to appoint a GA, etc.

Graduate Assistantships

UNLV subscribes to the following statement that has been adopted by the Council of Graduate Schools in the United States and by most of the leading graduate schools in North America:

Acceptance of an offer of a graduate scholarship, fellowship, traineeship, or graduate assistantship for the next academic year by an actual or prospective graduate student completes an agreement which both student and the graduate school expect to honor. In those instances in which the student indicates acceptance prior to April 15 and subsequently desires to change plans, the student may submit in writing a resignation of the appointment at any time through April 15 in order to accept another scholarship, fellowship, traineeship, or graduate assistantship. However, an acceptance given or left in force after April 15 commits the student not to accept another appointment without first obtaining formal release for that purpose. It is further agreed by the institutions and organizations subscribing to the above resolution that a copy of this resolution should accompany every scholarship, fellowship, traineeship, and assistantship offer sent to a first-year graduate student before April 15.

A number of state-supported and extramurally funded graduate assistantships are available each academic year. For full information and policy guidelines regarding the UNLV GA Program, please see the Graduate College website. Below are some key GA policies for your review:

- Applications must be completed and submitted through your Grad Rebel Gateway account. While deadlines vary by department, the Graduate College recommends that you submit your application by March 1 for the fall semester admission and by Nov. 1 for the spring semester admission.
- Applications must be submitted to the department which you are seeking employment no later than March 1 proceeding the fall semester in which an assistantship is sought. Applications may be submitted after this date in case of unexpected openings occurring for the fall semester. In rare cases where an assistantship is available for the spring semester, the application deadline is Nov. 15.
- An assistantship is normally offered for a full academic year. If a student seeks renewal of an assistantship for the next year, a new application form must be submitted online.
- A GAship carries with it a stipend paid monthly for the length of the contract. Tuition waivers are usually included with the assistantship. These waivers are approved only for work directly related to the student's degree program (courses numbered 500 and approved for graduate credit and 700-level courses). The state waiver covers nine credits per semester of the per-credit-hour registration fee. The state-funded tuition waiver does not cover differential fees charged for some courses. The tuition waiver covers the full amount of out-of-state tuition. The out-of-state tuition waiver does not apply to students who are enrolled in self-funded programs. Tuition waiver amounts may vary for extramurally funded assistantships.
- State-funded GAships are not generally available during summer term. However, tuition waivers are available for state-funded graduate assistants during the summer term if the student was on a state GA contract in spring and has been renewed as a state GA for fall. To take advantage of the summer tuition waiver for three credits max., the Graduate College must be informed via email at GradFinancialSVC@unlv.edu of your enrollment prior to the start of summer session. Tuition waivers are not available for undergraduate or audited courses. The above policies may differ for extramurally funded assistantships.
- GAs must have graduate standing status in a degree-seeking program at the time they begin their assistantships.
- New international GAs are required to successfully pass the Duolingo English Test prior to the start of the semester. Students who do not pass the Duolingo English Test will be required to enroll in ESL 580X, a two credit oral presentation skills course their first semester as a GA. Students whose graduate assistantship includes instructional duties (lecture, discussion groups, laboratory supervision, tutoring) must receive a successful grade in ESL 580X before resuming instructional duties.
- GAs must carry a minimum of six semester hours of graduate credit per fall and spring semester. To carry more than fifteen semester hours of credit, the department chair, academic dean, and the Graduate College dean must approve an Overload Petition. Credit hours must be taken in residence to maintain GA eligibility unless an official consortium has

been approved.

- GAs are expected to spend on average 20 hours per week on departmental duties in either instruction and/or research.
- GAs may not accept employment on or off campus without written permission from their faculty advisor, department chair, and Graduate College dean. GAs are prohibited from being employed for more than 10 hours per week beyond their assistantship. The request for additional employment can be found in your Grad Rebel Gateway portal under the Forms - Additional Forms tab. Please note, due to F-1 Visa regulations International GAs must consult with OISS before requesting to work outside of the GA position. Failure to do so could result in the loss of F-1 Visa status.
- GAs are expected to report in the same time-frame as faculty, e.g., during academic semesters and not during break or vacation times. GAs must report one week prior to the start of classes in both the fall and spring semesters.
- New GAs are expected, as part of their contract obligation, to attend the GA Orientation session and complete the mandatory GA Onboarding video and quiz prior to the start of the semester.
- GAships will be terminated if the student does not satisfactorily perform assigned duties. Assistantships will also be terminated if a student does not make satisfactory progress toward the degree. Unsatisfactory progress includes, but is not limited to: filing a degree program late; receiving a grade of less than B; failing to remove an Incomplete grade after one calendar year; and failing comprehensive or qualifying examinations as required by the degree program.

Offers of assistantships, whether state-supported or extramurally funded, are valid only if they come from the Graduate College dean.

GA Recruitment

GAs are generally hired from a school or department's pool of admitted and enrolled graduate students. When searching for GA hires beyond an academic school/department -- especially, but not exclusively, Professional Development Graduate Research Assistants (PDGRAs) -- available opportunities should be posted through UNLV Handshake. Graduate students are encouraged to watch UNLV Handshake to find open GA opportunities on campus.

Minimum GA Packages

UNLV and the Graduate College set minimum GA packages; no GA may be hired for less, but departments/units may opt to provide fuller GA packages as long as it's not done on an individual case-by-case basis. Regardless of the package value, there are many benefits associated with being a GA. More information about the benefits of being a GA can be found on The GA website and GA Handbook.

Stipends

Both Graduate College state-funded and extramurally funded GAs will receive a stipend. All GA appointments must meet the minimum stipend amount from the student's academic program. GAship stipend amounts vary by

department. Externally funded (sometimes referred to as extramurally funded) GA stipends must meet the minimum state-funded GA stipend amount for the student's home department. Information regarding minimum GA stipends by program can be found in the GA Handbook.

Resources and Related Links

- Please reference the Graduate College GA Handbook to find all relevant information, policies, and guidelines related to the GA program, how to apply for a GA, GA expectations, and other relevant GA information.
- Apply for a GAship: Students can apply for GAships by logging in to their Grad Rebel Gateway Account and selecting the 'Funds' tab.
- Search for Open Positions: Graduate Career Support provides some guideposts here to help you navigate the complexities of preparing for a career that builds on and extends your graduate experience.
- GA Stipend and Payroll Information: GAstipend, payroll, and appointment information.
- English Requirements for All International GAs: All new international students who are first-time GAs will be required to take the Duolingo English Test. This includes all graduate assistants who will be advising or teaching students as an instructor, teaching assistant or lab supervisors. Research assistants and GAs with other professional duties are also required to take the Duolingo English Test.
- GA Benefits: Explore the grants, contracts, health insurance, tuition waivers, and loans GA students receive as benefits to their positions.
- GSFS Team Contact Information by GA Department: Discover the GA departmental breakdown by processor.
- Inclusive Teaching Guide: Want to reach all of your students? Here's how to make your teaching more inclusive.
- Nevada Residency: The Board of Regents establishes Nevada residency for tuition purposes regulations. For admitted degree-seeking graduate students, your residency status is determined at the time of admission to a degree-seeking program and is indicated in your official Letter of Admission from the Graduate College. Non-degree-seeking graduate students will generally be classified as out-of-state until and unless Nevada residency is determined via the residency application process. If your residency status is not "Nevada," you will be assessed out-of-state tuition.
- New Graduate Assistant Orientation: The Graduate College now offers an online, asynchronous Graduate Assistant Orientation. All graduate assistants are required to attend.
- Annual Security Report: This report summarizes public safety and security policies in effect on our campuses. It highlights crime reporting procedures, crime prevention programs, and other services available to the campus community.

Scholarships And Fellowships

- Graduate Scholarships and Fellowship Information and Guidelines
- Visit our website for annual Graduate Scholarships and Fellowship information.
- You must remain in good standing in your degree program and enroll in a minimum of six graduate credits in each semester of the scholarship/fellowship year (unless specified) in order to be eligible for an award. Credit hours must be taken in residence to maintain funding eligibility.
- All applicants must apply through the Grad Rebel Gateway.
- All applications must be submitted via the Grad Rebel Gateway and each applicant must upload: a C.V., a statement of purpose (maximum 2-3 typed pages), an unofficial UNLV transcript, and full contact information for at least one recommendation provider. Please note that some scholarships/fellowships have additional requirements, so please read and follow the directions for each scholarship/fellowship carefully.
- The application deadline is Dec. 1. Note that all letters of recommendation must have been submitted to the Grad Rebel Gateway by the close of business on Dec. 15.
- Failure to submit all required information and materials by the posted deadline will render you ineligible for scholarship/fellowship consideration.
- Please only apply for awards that you are eligible to receive, per the guidelines below.
- All awards are subject to funding; award amounts change annually. Final award packages/amounts will be noted on award letters to recipients.

Admission And Matriculation Info

About Graduate Admissions

The UNLV Graduate College welcomes applications from all interested students. Our more than 175 graduate certificates and degree programs provide an outstanding opportunity for advanced study. Admission to the Graduate College at UNLV is competitive. The criteria established by the Board of Regents, university, Graduate College, and individual graduate programs determine admissibility. Applicants must meet necessary minimum admissions requirements outlined in this catalog as established by the Graduate College as well as all graduate program requirements as specified by academic colleges/departments. Admission decisions are based on applicants meeting the minimum Graduate College requirements and a more extensive and holistic departmental review, which considers a combination of factors, including indicators of success based upon academic degrees and records, the statement of purpose, letters of recommendation, test scores, relevant work experience, and additional factors required by academic programs.

An individual who wishes to enroll as a graduate student must first apply and be admitted to the university as either a graduate non-degree-seeking student (those eligible to

enroll in graduate courses but not formally admitted to a degree program) or as a certificate- or degree-seeking student formally admitted to a graduate program.

Statement of Commitment to the Recruitment of Diverse Students at UNLV

UNLV, along with other research-intensive public universities in the United States, recognizes that a student body that is diverse with respect to race, ethnicity, socioeconomic class background, and geography, among other dimensions of cultural difference, benefits and enriches the educational experiences of all students, faculty, and staff. Accordingly, UNLV strives to recruit students who will further enrich this diversity and to support their academic and personal success while they are a part of our campus community. The presence and achievement of racial and ethnic minority students at UNLV not only benefits these students individually, it enhances the educational and interpersonal experiences of everyone in our campus community. UNLV actively encourages applicants whose racial and ethnic backgrounds are underrepresented in higher education in Nevada, who are first-generation college students, international students, and those with demonstrated financial need. The UNLV Graduate College also proudly participates in the McNair Scholars Program, which helps to identify and prepare underrepresented and minority students for graduate school.

Title IX Statement

UNLV does not discriminate in its employment practices or in its educational programs or activities, including admissions, on the basis of sex/gender pursuant to Title IX, or on the basis of any other legally protected category as is set forth in NSHE Handbook Title 4, Chapter 8, Section 13. Reports of discriminatory misconduct, questions regarding Title IX, and/or concerns about noncompliance with Title IX or any other anti-discrimination laws or policies should be directed to UNLV's Title IX Coordinator Michelle Sposito. The Title IX Coordinator can be reached through the online reporting form, by email at titleixcoordinator@unlv.edu, by phone at 702-895-4055, by mail at 4505 S. Maryland Parkway, Box 451062, Las Vegas, NV, 89154-1062, or in person at Frank and Estella Beam Hall (BEH), Room 555.

Overview of The Admissions Process

Early submission of all application materials is recommended, as this generally facilitates a more expeditious review process through the Graduate College and academic department.

- Applicants must apply online, pay the application processing fee, and submit all required admissions materials by the application deadline of their program of interest.
 - Applicants are strongly encouraged to submit unofficial transcripts with the application to decrease processing time.
 - Applicants are responsible for making sure the Graduate

College and department receive the appropriate credentials by the required deadlines and are responsible for routinely reviewing their Admissions Portal and Checklist in the Grad Rebel Gateway to determine if materials are missing from their application.

- All application materials, including transcripts, become the property of the university and may not be released to the applicant or any individual.
- The graduate admissions team creates an electronic application file upon receipt of the application and fee.
- Once all transcripts, foreign credential evaluations (if applicable), and proof of English proficiency (if applicable) are received, a graduate admissions team member evaluates those materials to ensure that the applicant meets minimum Graduate College admissions standards. The status of the application file is updated to indicate to the graduate program that the file is ready for their review.
- The graduate program reviews the file for sufficient qualifications and competitiveness compared to other applicants. The program will recommend admission or denial of the application to the Graduate College for a final decision.
- The graduate admissions staff process the final admissions decision. Applicants will be notified of their admission status by email and a decision letter is posted on the Admissions tab in their Grad Rebel Gateway account.
- Those accepted to pursue a UNLV graduate degree or certificate will receive an electronic decision letter and certificate of admission from the Graduate College. This is an important document that the student should read carefully and retain as it will contain the terms and conditions of admission.
- The student must then follow the directions on their Certificate of Admission to accept admission via their Grad Rebel Gateway account. Students who do not accept admission will not be able to enroll in courses.
- The admission process is completed upon enrollment and matriculation in graduate-level courses for the specified term and degree program indicated on the Certificate of Admission.

Graduate Non-Degree-Seeking Information

Graduate Non-Degree-Seeking Status

Students who have received a baccalaureate degree from a regionally accredited institution (or international equivalent) are eligible to enroll in some graduate classes as a graduate non-degree-seeking student without being formally admitted into a graduate program.

Graduate Non-Degree-Seeking Application Process

Graduate non-degree-seeking applicants must submit the following:

- a graduate non-degree-seeking application through the Grad Rebel Gateway application portal;
- a \$30 non-refundable application processing fee - payable to the UNLV Board of Regents by check, money order, or online by credit card;
- proof of a bachelor's degree from a regionally accredited

institution (or international equivalent) in the form of a copy of a transcript or diploma. It is recommended that applicants upload proof of degree directly into the application; however, email, mail, and fax submissions are also accepted.

Graduate Non-Degree-Seeking Enrollment

Graduate program faculty in each department determine whether graduate non-degree-seeking students may enroll in their graduate courses and are responsible for determining the adequacy of preparation of graduate non-degree-seeking students before allowing them to take any upper-division or graduate courses. The student should check with the academic department about graduate courses accessible to graduate non-degree-seeking students. It is the student's responsibility to provide proof of adequate preparation if requested.

Graduate non-degree-seeking students may enroll in up to 15 credit hours during the fall and spring semesters and up to 12 credits during the summer (no more than six credits in a single five-week term). Graduate non-degree-seeking students are not eligible for federal financial aid or Graduate College scholarships or fellowships.

A graduate non-degree-seeking student wishing to seek a degree must separately apply for admission to the Graduate College and pay an application processing fee. A maximum of 15-credits of graduate-level coursework taken with grades of B or better as a graduate non-degree-seeking student may count toward the degree program at the discretion and approval of the graduate coordinator, and/or department chair, and Graduate College dean.

In order to remain active and eligible to enroll, graduate non-degree seeking students must complete at least one credit of enrollment in the current or previous five semesters. Graduate non-degree-seeking students who do not meet this enrollment requirement will have their status deactivated and need to reapply in order to enroll in future courses.

Graduate Degree- And Certificate-Seeking Application Information

Graduate College Admissions Standards

The Graduate College maintains minimum standards for graduate admission. All graduate degree- and certificate-seeking applicants must meet these eligibility requirements to be considered for admission. Through the standard university and Graduate College curricular process, department faculty determine program admissions requirements beyond the Graduate College minimum requirements. Graduate program admission requirements are located on each program's respective entry in this Graduate Catalog. Please note that applicants must submit all required admissions materials via the Graduate College online application system, the Grad Rebel Gateway.

Applicants to graduate programs must meet the following minimum standards for Graduate College admission:

- Hold a four-year baccalaureate degree from a regionally accredited institution in the United States or an approved international equivalent.
- Have a minimum overall undergraduate grade point average of 2.75 (4.00=A), or a minimum 3.00 GPA (4.00=A) for the last two years (60 semester credits) of study.
- International applicants must provide sufficient proof of English proficiency.

Degree- and Certificate-Seeking Application Deadlines

Application deadlines vary by graduate program. Applications are closed at 11:59 p.m. PST on the deadlines posted on the Graduate College website and in the Grad Rebel Gateway application portal. All applications and supporting documents must be submitted by the posted deadlines in order to be considered for admission.

Graduate Degree- and Certificate-Seeking Admissions Requirements

Applicants must submit the following, by the posted application deadline for their intended program:

- **Application for Admission:** A graduate degree- or certificate-seeking application through the Grad Rebel Gateway application portal;
- **Application Fee:** A nonrefundable application processing fee (domestic: \$60, international: \$95) - payable to the UNLV Board of Regents by check, money order, or online by credit card.
 - Applications and materials will not be processed until the application fee is received.
 - Applicants to multiple UNLV graduate programs must pay the admission application evaluation fee for each application filed.
 - Denied applicants, who later seek admission to the same or other UNLV degree program, are required to pay a new application processing fee.
- **Transcripts:** One transcript from every post-secondary institution the applicant has attended (regardless of whether a degree or credential was earned), showing all coursework, extension and correspondence work, any degrees earned, and the dates that those degrees were awarded. Unofficial transcripts will be accepted as part of the application process. However, if an applicant is admitted, official transcripts will be required by the date specified on the Certificate of Admission. Transfer credits posted on another institution's transcript will not be accepted in lieu of the transcript itself. Only transcripts sent directly from the institution are considered official. Failure to disclose all coursework and/or degrees awarded will result in rescission of admission.
 - Transcripts and credentials not in English must be accompanied by an English translation certified as true by a university official, an official representative of a United States embassy or consulate, the United States Information Service, the United States Education Foundation, or an approved professional translating service. Notarized copies of originals or translations are not considered official.

- Credentials from China: Students who have completed a degree in China must provide copies of the original language transcripts and a copy of their Degree Certificate and Graduation Certificate. Documents verified by the China Higher Education Student Information and Career Center (CHESICC) or the China Academic Degree and Graduate information Center (CDGDC) are also accepted.
- Credentials from India: Consolidated marks sheets are acceptable if yearly mark sheets are not available. Mark sheets must also be issued by the degree-granting institution. Mark sheets from affiliated colleges are not acceptable or considered official. Students who have completed a degree in India must also provide a copy of their Provisional Certificate.
- **Foreign Credential Evaluations:** All new applicants (international and domestic), EXCEPT those applying to programs in the College of Engineering or to Management Information Systems or Economics, are required to provide a course-by-course evaluation of all foreign credentials from a National Association of Credential Evaluation Services (NACES) approved external evaluating agency. Foreign credentials refer to transcripts from educational institutions outside the United States. When ordering a foreign credential evaluation, please be sure that GPA is calculated and included in the evaluation.
- The UNLV Graduate College accepts foreign credential evaluations from any current member of the NACES with a course-by-course evaluation, U.S. equivalency for each credential, and GPA included. For a list of all current members, please visit the NACES website.
- **Proof of English Proficiency:** International applicants must submit proof of English proficiency.
 - Applicants are exempt from this requirement if they are from countries where English is the native language. Applicants who have received a post-secondary degree from an institution where English is the primary language of instruction may also be exempt. These applicants must provide proof of the language of instruction in order to be exempt. This proof can be notated on the transcript itself or posted on the official website of the institution attesting to the fact that English is the primary language of instruction. The final determination is made by the Graduate College.
 - Applicants may submit either official or unofficial copies of English proficiency scores for initial application evaluation. Applicants may send official scores to the Graduate College through the testing agency, upload unofficial score reports into their application Grad Rebel Gateway, or email unofficial score reports to internationalgrad@unlv.edu. Students admitted with unofficial scores will be conditionally admitted and must submit official exam scores by the deadline specified on the Certificate of Admission.
 - Minimum acceptable scores that evidence sufficient English proficiency for each test are as follows. Test scores may be no more than two (2) years old at the time of application. Please note graduate programs may require a higher minimum score for admission.
 - Test of English as a Foreign Language (TOEFL)
 - ◆ Paper-based: Total minimum score 74
 - ◆ Computer-based: Total minimum score 213
 - ◆ Internet-based: Total minimum score 80
 - Pearson Test of English (PTE)
 - ◆ Minimum score: 65
 - International English Language Testing System (IELTS)
 - ◆ Minimum score: 6.5
 - Michigan Test of English Language Placement (MTELP)
 - ◆ Minimum score: 85
- Exceptions
 - English Speaking Countries Exempt from Testing:
 - ◆ Antigua, Australia, Bahamas, Barbados, Barbuda, Belize, British Guyana, British Virgin Islands, Canada (except for Quebec), Dominica, Irish Republic, Jamaica, New Zealand, St. Kitts and Nevis, St. Vincent and Grenadines, Trinidad and Tobago, United Kingdom, U.S. Virgin Islands
 - With the support of the academic department, the Graduate College may accept the following scores for applicants with a cumulative GPA of 3.75 or higher (4.0 scale). In addition to the GPA requirement, the academic department must provide evidence of academic excellence as rationale for such an exception. Any requests for exceptions must be submitted to the Graduate College with support from the academic department/unit chair and graduate coordinator. Scores lower than the following will NOT be considered for exception:
 - ◆ Test of English as a Foreign Language (TOEFL)
 - ◇ Paper-based minimum score: 68
 - ◇ Computer-based minimum score: 210
 - ◇ Internet-based: 77
 - ◆ Michigan Test of English Language Placement (MTELP)
 - ◇ Minimum score: 80
 - ◆ Pearson Test of English (PTE)
 - ◇ Minimum score: 55
 - Any requests for exceptions must be submitted to the Graduate College with support from the academic department/unit chair and graduate coordinator, and a statement explaining evidence of the applicant's academic excellence. Scores lower than those listed above will not be approved. Any students admitted on this type of PEP exception will be required to visit the UNLV English Language Center (ELC) for an assessment upon arriving on campus and take any courses prescribed by the ELC to remedy any English language deficiencies. Failure to complete prescribed courses within the time frame stipulated by the ELC will result in separation from the university.
 - English Proficiency for Graduate Assistants

- ◆ All new international students who are first-time graduate assistants at UNLV without sufficient proof of English proficiency (PEP) will be required to take the Duolingo English Test. This includes all GAs who will be advising or teaching students as an instructor, teaching assistant, tutor, or lab supervisors; research assistants; and graduate assistants with other professional duties. The Duolingo English Test must be taken before the start of the semester the GA intends to work at UNLV. Specifically, the last day to take the Duolingo English Test will be the Friday before classes start. International GAs who cannot provide sufficient PEP or pass the Duolingo English Test cannot serve in a teaching capacity during their first semester as a GA. GAs who are assigned to work with undergraduates and do not meet the requirements of PEP/Duolingo English Test will be reassigned to non-teaching duties for their first semester and until they can earn a sufficient score on the PEP or Duolingo test. Please see the Graduate Assistant Handbook for more information about English Proficiency requirements for international GAs.

require satisfactory composite scores on the GRE, GMAT, or other standardized tests. Some examinations are given only four or five times a year and require that registration be completed a minimum of six weeks prior to the test date. Students may take the required tests online or at other colleges or universities if taking them at UNLV is inconvenient for the applicant.

- A resume or curriculum vitae.
- Writing sample, statement of interest or application letter, portfolio, etc.: Programs often require additional materials (e.g., resume, portfolio, statement of purpose, writing samples, and the like) to help provide a holistic understanding of each applicant's abilities, experiences, skills, and likelihood for success in the program. These are uploaded directly into the application checklist in the Grad Rebel Gateway.

Submission of Admission Materials

Send Graduate College admission materials to:

University of Nevada, Las Vegas

Graduate College

4700 S. Maryland Parkway, Suite 200

Las Vegas, NV 89119

Official electronic transcripts should be sent to gradadmissions@unlv.edu.

Departmental Degree- and Certificate-Seeking Admissions Requirements

Factors that may also be considered by the graduate program to which you are applying include test scores (like the Graduate Record Examination [GRE] or Graduate Management Admission Test [GMAT]), the type of coursework completed during undergraduate studies, letters of recommendation, writing samples or portfolios, and any other supporting documents your department/program may ask you to submit to complete your online application. Many graduate programs require some or all of the following documentation to be uploaded into students' Grad Rebel Gateway application:

- Letters of recommendation: Letters of recommendation sent by former instructors, employers, or other professionals who can evaluate the applicant's potential to complete graduate study are often required. Applicants must list the names and information of recommendation providers in the Grad Rebel Gateway. Applicants are asked whether they wish to waive their right to view the letter of recommendation. Waiving their right to view the letter means that once the recommendation provider submits the letter of recommendation, the applicant has no right to view it, and requests by the applicant to view the letter will not be granted.
- Standardized test scores: In addition, many departments

Admissions Requirements and Procedures For International Students

New International Graduate Student Admissions Requirements

The university is authorized by the U.S. Department of Homeland Security to admit international students on F-1 student visas. International newly admitted students must complete and submit a Confidential Financial Certification form and appropriate proof of funding to International Graduate Admissions. Before an I-20 can be issued, students must satisfy the financial eligibility requirements and receive their Letter of Admission from the Graduate College. The Graduate College will assess requests for issuance of new I-20s after these deadlines on a case-by-case basis. Transfer students located in the United States and UNLV students who are changing their level of degree are exempt from these deadlines. While the Graduate College will make every attempt to accommodate newly admitted international students, in many cases it is not possible for I-20s to be issued after July 1 if admitted for fall semester and December 1 if admitted for spring semester. Prior to arrival in the United States, the International Graduate Admissions staff should be contacted with any questions.

Once students have been successfully admitted, OISS is available to assist students with any issues students have while enrolling; assist and advise regarding employment eligibility and authorization related to international students and scholars; provide proactive guidance and support regarding visa, allowable travel, and some immigration issues; and facilitate their transition to the campus and the U.S. and be their primary contact for student visa rights and responsibilities during their time at UNLV. Current workshops pertaining to international students can be found on the OISS website as well.

Enrollment Policy for International Students

Below are the standard enrollment requirements at the time of publication of this Student Handbook. Please note that the U.S. government may issue new guidance that results in updated requirements for international

students. When this occurs, OISS will contact impacted students, generally through your Rebelmail account. Any new guidance provided takes precedence over the requirements outlined herein.

Each fall and spring semester, international students must be registered as full-time students. Graduate students must be enrolled into courses that apply toward their degree. Dropped, audited, and withdrawn classes do not count. International students are allowed to take web-based classes, however, only a certain amount of credits can be web-based. It is incredibly important for international students to work closely, and stay in contact, with OISS to ensure compliance with all enrollment requirements, U.S. laws, and visa regulations.

Full-Time Status: International students must be enrolled in nine credits to be considered full-time. If the student is a GA, they only need to enroll in six credits to be considered full-time. **Allowable Web-based Credits:** The amount of allowable web-based credits changes based on how many total credits the student is enrolled in.

- If an international student is enrolled in nine credits, three of them can be web based
- If an international student is enrolled in 12 credits, six of them can be web based
- If an international student with a GA is enrolled in six credits, three of them can be web based
- If an international student with a GA is enrolled in nine credits, six of them can be web based

Type of International Student	Minimum Required Credits for Full-time Enrollment	If enrolled in this number of credits:	International Students may take a maximum of this many online credits
Graduate Student	9	9	3
		12	6
		15	9
Graduate Assistant	6	6	3
		9	6

Please note that at the time of publication (August 2020) the above guidelines are temporarily suspended as a result of the COVID-19 pandemic.

Admission Status and Classification Of Students

Full Graduate Standing

Students accepted to pursue a graduate program with no conditions/provisions are classified as having full graduate standing. The full graduate standing classification allows students to matriculate in a graduate program with no outstanding admissions requirements needing to be satisfied.

Provisional Graduate Standing

Students whose previous academic records are not strong enough to merit full graduate standing may be granted probationary admission and provisional graduate standing. The Graduate College and the student's department determine placement in this classification.

A provisional student must complete nine credit hours of graduate-level coursework selected by the department and listed on the Certificate of Admission. The student must complete this coursework within one year of admission, with grades of B or higher (B- grades are unacceptable). Failure to complete the required coursework in the specified period or earning a grade less than B (3.00) will automatically revoke the student's admission. Departments may elect to not allow students with provisional graduate standing to enroll in additional courses prior to completing the terms of the provisional admission.

When the Graduate College receives confirmation of the appropriate grades being earned in the required coursework, the student will be granted full graduate standing status, unless the student was also admitted conditionally, in which case, the student will also need to satisfy those requirements before they can be granted full graduate standing.

Conditional Admission

Conditions do not reflect an applicant's ability to conduct graduate-level work. They indicate that the applicant must complete course deficiencies as part of the program or meet some additional requirements before finalizing admission, e.g., provide a final transcript of coursework that was in progress while applying for admission, a missing letter of recommendation, or standardized test score, etc. The Certificate of Admission will specify which requirements must be met by a given deadline in order to maintain admission in the program. Conditional admissions are split into two categories: Graduate College conditions and departmental/program conditions.

Graduate College conditions are applied when a student must submit official transcripts, official and final confirmation of degree, official proof of English proficiency, official foreign credential evaluation, or must obtain approval for concurrent enrollment.

Graduate College conditional requirements must be met by the following deadlines:

- Fall: Sept. 15
- Spring: Feb. 15
- Summer: July 15

Failure to meet the Graduate College condition(s) will automatically cancel the student's admission and result in separation from the student's graduate program.

Departmental/program conditions are applied at the discretion of the academic department/program where a student must provide materials required for admission by the department, such as a letter of recommendation,

official test scores, a resume/CV, statement of purpose, writing sample, etc. or the student must complete course deficiencies within a time frame specified on the Certificate of Admission. Conditional admission based on course deficiencies require the student to complete courses by the deadline specified on the Certificate of Admission (generally early in the graduate program). A student may also be required to register for internship credits, or related graduate coursework, to remedy a deficiency related to lack of work experience or field experience prior to admission. Undergraduate courses taken to remedy deficiencies identified at admission will not be applied toward the advanced degree. Departments are responsible for monitoring students granted department/program conditional admission, and if necessary, initiating separation requests for students who do not meet the condition(s) admission.

Admissions Policies (Listed Alphabetically)

Admission Acceptance

Admitted students cannot register until they have accepted admission. Students must accept their admissions offer in the Grad Rebel Gateway for the term in which they have been admitted at least two full business days prior to the last day to enroll for classes. Failure to do so will void the Offer of Admission.

Application Fraud and Revocation of Admission

It is the assumption of the Graduate College that the information provided on the application for admission is complete and accurate. Subsequent evidence to the contrary may result in the admission being revoked and the loss of any credit or degree stemming from the admission.

Change of Program, Plan, or Subplan

Students are admitted to pursue a graduate degree or certificate in a specific department or program. To change to another department (or program) or degree/certificate (called a 'plan'), students must submit a new application for admission, the required application fee, and all necessary admission credentials to the Graduate College. In order to change a concentration or track (called a 'subplan') within a degree/certificate, graduate coordinator or department chair approval is needed. Newly admitted students must email gradadmission@unlv.edu and current students must email grad.rpc@unlv.edu to request a subplan change.

Deferrals

The Graduate College allows for one deferral of admission per application within one year. A deferral request must be made by the student and approved by the academic department to the Graduate College via email (gradadmissions@unlv.edu). Deferral requests should be made before the start of the semester that the applicant is initially admitted. Late deferral requests will only be accommodated up to the late registration deadline in a

given semester. After the late registration deadline for a given term has passed, students will need to reapply for admission consideration in a future term.

Enrollment in Terms of Admission

Students must enroll in graduate-level classes in the semester in which they are admitted. Failure to accept admission and enroll or subsequent withdrawal from all coursework during the semester of admission will void the admission and result in the student's separation from their graduate program. If an applicant does not complete the admission process, the student must reapply and submit another application processing fee to be considered for admission in a future semester.

Materials from the previous application, such as official transcripts, may be used if they are still on file with the Graduate College and acceptable by the graduate program. All application materials are kept within the Graduate College in accordance with the NSHE Records Retention Schedule.

Immunization Records

Nevada Administrative Code (441A.755) requires that all students who attend courses on campus must provide documentation of having received the following immunizations unless excused by religious belief or medical condition and with an approved waiver on file with the Office of the Registrar:

- Two doses of the measles, mumps, and rubella (MMR). The first dose must be on or after your first birthday.
- One dose for tetanus/diphtheria (TD), taken in the last 10 years.

Copies of immunization records must be sent to the Office of the Registrar, either: via fax at: 702-895-1118 or hand delivered (Student Services Complex – SSC-C, near the Tropicana Garage). If students feel comfortable sending these documents via email, they may also email a copy to registrar@unlv.edu.

Students without appropriate documentation will need to reestablish immunizations before they can attend classes. Immunizations may be obtained from a physician, the UNLV Student Health Center, or a local county health district.

Incomplete Applications

The Graduate College will cancel all incomplete application files after the late registration deadline for each semester. Applicants who are denied for having an incomplete application file must reapply for any future semester in which they seek admission. Transcripts will be saved in accordance with NSHE Records Retention requirements.

Nevada Residency for Tuition Purposes

The Office of the Registrar determines the Nevada residency of graduate students according to the Board of Regents regulations and the laws of the State of Nevada.

The regulations pertaining to Nevada residency for tuition purposes are established by the Board of Regents. Each applicant claiming legal residency in Nevada must submit a residency application and the supporting documentation along with their admission application. The residency application forms can be obtained from the university website.

For admitted graduate degree- or certificate-seeking students, residency status is determined at the time of admission to a degree-seeking program and is indicated in the official Certificate of Admission from the Graduate College. Please note that new graduate students who live in Nevada, and/or those who have held Nevada residency in the past, may still be classified as out-of-state students upon graduate admission. These students will need to follow the directions on their Certificate of Admission and apply for residency in order to be reclassified as a Nevada resident.

Graduate non-degree-seeking students will generally be classified as out-of-state until and unless Nevada residency is determined via the residency application process. If the residency status is not "Nevada," out-of-state tuition will be assessed.

Readmission to the Graduate College

Students who have completed a graduate certificate or degree at UNLV may apply to other graduate certificates or programs, but only if it results in a different degree from the one(s) you have already earned. In these cases, students must submit a new application for admission, the required admission processing fee, and all supporting credentials required by the Graduate College and the new department or program. UNLV will not issue more than one of the same graduate degree or certificate to a student regardless of the track or concentration.

If a student is admitted to a graduate program but fails to complete that program, this may impact future graduate program admissions decisions. Such assessments are made at the department or school level upon consideration of a prospective student's application materials.

Rebelmail

Pre-admission communications are sent to the email address the student used to create their Grad Rebel Gateway Account. Once admitted and enrolled, students must use their Rebelmail accounts to communicate with UNLV faculty and staff members. Official Rebelmail email accounts are created for all admitted students. The addresses are all in the form of [ACE ID USERNAME]@unlv.nevada.edu. These accounts must be activated by the students online. Graduate students who are GAs or otherwise employed by UNLV will also be given a [ACE ID USERNAME]@unlv.edu employee account.

If a student wishes to redirect their UNLV official email to another email address, they may do so at their own risk. The university is not responsible for the handling of email by outside vendors or departmental/unit servers, none of which are considered official student email

accounts. Having an email redirected does not absolve a student from the responsibilities associated with official communication sent to their [ACE ID]@unlv.nevada.edu account.

All official emails from UNLV to students are sent to UNLV email accounts. Students are expected to check their Rebelmail frequently in order to stay current with UNLV communications from the university, the student's program, faculty/staff, the Graduate College, financial aid, etc. and to recognize that some communications will be time-sensitive. Students must ensure that there is sufficient space in their accounts to allow for delivery of official email communications and that UNLV emails do not go to their spam/junk mail folder.

All students will receive emails from the Graduate College regularly while they are enrolled. Timely emails will be sent through the entire student lifecycle and cover everything from enrollment and policy reminders, to invitations to participate in The Grad Academy programming, to invitations to complete annual surveys, information about scholarships and funding opportunities, important deadlines, and much more. Emails continue through graduation, focusing on things such as graduation deadlines and requirements, our Doctoral Recognition Ceremony, and Commencement.

For more information, please see the UNLV email policy.

Rollover or Rollback of the Application

- A rollover is a request to push an application for admission or admissions offer to the next admissions cycle. The Graduate College allows for one rollover per application. Students must make written rollover requests to the Graduate College via email (gradadmissions@unlv.edu) as early in the admissions process as possible.
- Rollbacks (for admission to a semester before the semester that the applicant applied for admission) are not allowed if the department application is closed for the new admit semester. In other words: a student may not apply to a future semester and be admitted for an earlier semester if the department application for the earlier semester is closed.

Transfer Credit Policy

Transfer credit approval is not guaranteed. The age of the transfer work under consideration may also be a factor in the decision as to whether or not the coursework is transferable. Students must submit a Transfer Credit Request Form, available on the Additional Forms tab in the Grad Rebel Gateway, in order to request the transfer in of coursework from other institutions. UNLV transfer credits taken prior to admission should be listed on the Plan of Study Part II form, but must still adhere to all of the transfer credit rules listed below. Transfer credits are subject to the approval of the academic department and the Graduate Dean. On approval, a Graduate College Retention, Progression, & Completion (RPC) team member will post the transfer credits to the student's record in MyUNLV.

Courses taken prior to admission to the current graduate

program at UNLV or elsewhere, and/or post-admission from another institution, are subject to the following transfer credit rules:

- The student is responsible for providing evidence and documentation as required.
- No more than one-third of the minimum number of credits required for the degree- or certificate- (not including credits for thesis, dissertation, and professional/scholarly papers), to a maximum of 15 credits, may be transferred into a graduate program.
- Coursework must have been taken at a regionally accredited institution in the U.S. or international equivalent.
- Experiential (life and work experiences), correspondence, and audited courses may not be transferred.
- Coursework must be clearly designated and certifiably “graduate-level.”
- Coursework must have been completed with a grade of B or higher (B- is not acceptable) on a 4.0 grading scale (B = 3.00, A = 4.00).
- No pass/fail, satisfactory/unsatisfactory (S/U), satisfactory/fail (S/F), credits may be transferred unless they were earned in the spring/summer/fall 2020 or spring 2021 semesters/trimesters/quarters during the COVID-19 pandemic. At UNLV, a maximum of three (3) graduate coursework satisfactory/unsatisfactory (S/U) units may apply towards a master’s degree, and up to six (6) credits of S/U or S/F coursework may be used toward doctoral degrees, excluding the S/U or S/F units allowed for the comprehensive examination, professional paper and thesis/dissertation units, but including transfer units. For graduate courses, a grade of “S” indicates achievement equivalent to a “B” or above. The grade of “U” represents performance equivalent to a “B-” or below.
- Non-semester credits will be converted to semester credits for transfer.
- Coursework must not have been used to earn any prior degree, at UNLV or elsewhere.
- Coursework must not be a workshop, correspondence course, or career-related continuing education course.
- Coursework must be posted to the student’s permanent academic record.
- With program approval, students may occasionally be allowed to substitute courses; in these cases, the coursework must be comparable in content, substance, and rigor to the coursework it is replacing in the student’s UNLV graduate Plan of Study.
- Official transcripts covering the work must be sent directly from the issuing institution to the Graduate College.
- For coursework taken outside the U.S., in addition to official transcripts, a course-by-course foreign credential evaluation from a NACES-approved agency must be submitted to the UNLV Graduate College as soon as possible after work has been completed.

Withdrawal of Application/Admission

Prior to an admission decision, applicants may submit application withdrawal requests to the Graduate College via email (gradadmissions@unlv.edu). Once an offer of admission is sent, students may decline admission in the Grad Rebel Gateway or submit a declination in writing to the Graduate College via email. The Graduate College does not offer application refunds, even when an application is withdrawn.

Registration, Enrollment And Curricular Policies (Listed Alphabetically)

The university outlines specific registration procedures on the Registrar’s Calendars and Schedules page, which is updated prior to each semester by the Registrar’s Office. Students must register for classes using the procedures outlined in the class schedule including enrolling by the dates and times specified for each semester or special session. Students are expected to complete registration activity online through MyUNLV. MyUNLV also includes registration instructions and the class schedule. Each student must complete registration during the registration period, as specified on the academic calendar. Registration is not considered complete until all tuition and fees have been paid. Students paying tuition and/or fees after the date and time specified in the schedule may be charged a late fee. The registration or enrollment of a student ineligible to attend the university is subject to immediate cancellation.

Adding or Dropping Classes

The add/drop period is the period of time after the semester begins when students can add and drop their classes with no academic or financial penalties. For the fall and spring semesters the add/drop period is the first five days of classes. Summer add/drop dates can be found on the Summer Term website. Students may add or drop a course up to the close of the late registration period. After this date, and with approval, students may make changes only when the circumstance is sufficiently extraordinary to warrant an exception.

- Administrative Drops and Classroom Conduct
 - Failure to attend a course or to submit required work will result in a grade of F. The student who neglects a course is solely responsible for dropping the course or withdrawing from the university.
 - An administrative drop may be initiated at the discretion of the instructor, who will record the circumstances. The approvals of the academic unit chair/director, and the dean of the college/school offering the course, are required.
 - Students have a responsibility to conduct themselves in classes, libraries, and in other campus locations in ways that do not interfere with the right of other students to learn or the right of instructors to teach. Use of electronic devices such as cellular phones or recording devices or other potentially disruptive activities are subject to both university and instructors’ policies. If a student

does not comply with requirements or obstructs the smooth functioning of the class, the instructor may opt for an administrative drop or initiate a student conduct complaint.

- Serious cases of misconduct, as defined by the UNLV Student Conduct Code, will be referred to the appropriate administrative officer for action.
- Administrative Drop for Nonpayment
 - Nonpayment of tuition and/or fees by the Administrative Drop for Nonpayment date listed in the term calendar may result in an administrative withdrawal/drop from classes.
- Cancellation of Courses and Programs
 - The university reserves the right to cancel any registration in which the enrollment is insufficient to warrant offering the course and/or to eliminate, cancel, phase out, or reduce in size courses and/or programs for financial, curricular or programmatic reasons.
 - When programs are closed or eliminated, enrolled students will be given a fixed amount of time to complete their degree requirements or they will be given a free application to transfer to a different graduate program.
- Dropping/Withdrawing from Classes
 - A student who has officially dropped or withdrawn from a course is ineligible for further attendance in that course.
 - Dropping Courses: A student has the opportunity to drop a course up through the fifth business day of the semester (excluding modular/mid-semester courses) without penalty.
 - Withdrawing Courses: A student has the opportunity to withdraw up to the date identified on the academic calendar (which is 60% into the course). No withdrawal will be allowed after the last day to withdraw. Students who withdraw will be assigned a withdrawal grade (W), which will appear on the transcript but will not be calculated in the GPA, and be responsible for the tuition and fees associated with the withdrawn course. A student can qualify for a refund by withdrawing from all courses by the 50% refund date identified on the academic calendar. A grade of F will be recorded and will appear on the transcripts for students who stop attending class and fail to officially withdraw.
 - Refer to the Office of the Registrar Calendars page for term-specific drop/withdraw deadlines.

Cancellation of Registration

The university reserves the right to cancel any registration in specific courses for which the student is ineligible. The registration of any student who is ineligible to attend the university is subject to immediate cancellation. The university also reserves the right to cancel the registration of an individual whose attendance, in the opinion of the appropriate administrative officials, would not be mutually beneficial to that person and to the institution.

Combined/Cross-listed Sections

Undergraduate/graduate (300/500, 400/500, and 400/600) level courses that share the same meeting time

and days in the same classroom with the same instructor are considered to be cross-listed. In order for courses to be combined/cross-listed, they must undergo curricular approval via Graduate College process. Please see the definitions below. Please note that graduate courses that are cross-listed with undergraduate courses require the graduate student to complete additional, more advanced work in the course, and they may be required to meet for some limited, additional hours to fulfill course requirements as indicated on the course syllabus.

Cross-listed Sections

- **Shared Definition:** The term “cross-listing” is a general term that denotes jointly connecting at least two courses. All cross-listed courses must undergo standard curricular approval process either via the Faculty Senate (undergraduate) or the Graduate Course Review Committee (graduate). Cross-listed courses contain the same or similar content and may be in different programs (e.g., WMST 497 & SOC 497) or different careers (e.g., BIOL 467 & BIOL 667 or PSC 722 & PHIL 728).
 - They may or may not be scheduled as combined courses in class schedules.
 - A cross-listed course is one that carries credit in more than one department or program. Students may not enroll in more than one of the cross-listed courses and may receive credit in one department only.
 - If graduate courses are cross-listed with undergraduate courses, graduate students are required to complete additional, more advanced work in the course, and they may be required to meet for some limited, additional hours to fulfill course requirements as indicated on the course syllabus. These courses may or may not be combined in the schedule.
 - 300- or 400-level courses may be cross-listed with 500-level courses; 400-level courses may also be cross-listed to 600-level courses. Courses that are at the 700 level and above may not be cross-listed with undergraduate courses.

Same-as Courses

- **Shared Definition:** A specific type of cross-listed courses used in curriculum identifying a sequence within the same career type (e.g., WMST 497 & SOC 497 or PSC 722 & PHIL 728)
 - Undergraduate courses: Per NSHE CCN, although the prefix and number can differ, undergraduate same-as courses must have the same title, credits, course descriptions, and content. The parent/original course information must be retained in the UNLV catalog. Cross-listed courses are intra-institutional only. If another institution wishes to implement the cross-listed course, the parent course must be implemented first then additional cross-listed courses can be added. Parent courses will not be able to be deleted unless the same-as is removed prior to the deletion.

Graduate courses may or may not share the same number, title, and/or course descriptions.

Combined

- **Shared Definition:** Combined courses refers to offering courses assigned to the same scheduling resources such as classrooms, times, dates, days, and/or instructors. In order to be combined, a class must be curricularly approved. A curricularly approved cross-listing sequence does not mean that the courses will be combined automatically in the schedule. Departments will need to request to combine the courses every term and will be denied the combination if the courses have not undergone the appropriate curricular approvals.

Cross Schedule

- On rare occasions, there is a need for courses with distinct instructors, content, and title to share a specialty space such as a: studio, tennis court, performance hall, green space, or other similar spaces. In these cases, the sections can be combined for purposes of sharing space only. Cross scheduling is not permitted for web, department-arranged, or remote classes. Cross scheduling is not permitted for the same instructor.

Course Credit Expiration

Courses completed more than 10 years prior to the student's intended graduation term cannot be used towards a graduate program without an approved Time Limit Extension Form available in the Grad Rebel Gateway on the Forms tab under Additional Forms.

Course Repeat Policy

A failed course cannot be challenged by examination and it does not have to be repeated unless the course is a specific college or department requirement. A student receiving a final grade of 'F' in a course can obtain credit by registering for the course, repeating the class work, and receiving a passing grade. Any course may be repeated, regardless of the grade received. The fact that UNLV has granted a degree to a student shall not preclude the student's right to repeat a course for the purpose of improving a grade. Credit will be allowed only once for successful completion of the course, except for courses designated in the catalog as allowable repeats; these courses may be repeated only up to the maximum number allowed in the catalog and MyUNLV system. A student may repeat any UNLV course once at UNLV and not have the original grade included in the computation of the grade point average. The repeat grade must be on the same grading option as the original grade. The original grade will remain on the student's academic record with a notation.

When a course is repeated more than once, only the original grade is omitted in computing the GPA and all subsequent course attempts will be included in calculation of the GPA. For courses repeated prior to February 1971, both the original grade and the repeat grade are included in the GPA.

Credit by Examination

UNLV does not offer credit by examination for any graduate degree-, certificate-, or non-degree-seeking students.

Credit Load Limitations

Graduate students normally may not take more than 15 credit hours during the fall and spring terms, unless they are in a professional program that specifically requires additional credits. Graduate students may take no more than six credit hours in a single five-week summer term and earn no more than a total of 15 credits during the summer term (pre, post, and regular five-week sessions combined). Students who want to exceed the standard maximum credit load, must submit an Authorization for Overload form available through the Grad Rebel Gateway. Overload requests will be processed by the Graduate College in MyUNLV on approval of the form.

Enrollment Verification

Immediate online official enrollment verification certificates for current students are available through the National Student Clearinghouse. Please note that enrollment information cannot be verified until the last day to add/drop for a semester. This is so that the verification is an accurate indication of your semester enrollment. The National Student Clearinghouse Free Self-Service Site is available 24 hours a day, seven days a week. For more information visit the Office of the Registrar's Enrollment Verification page.

Full- and Part-Time Enrollment

For university purposes, graduate students enrolled in nine or more credits in a semester are considered full-time; GAs need only enroll in six graduate credits per semester to count as full-time. Graduate students who are not GAs and enrolled in fewer than nine credits in a semester are considered part-time students. Please note the exceptions below:

For federal financial aid purposes, any graduate student who is enrolled in fewer than nine graduate credits in a semester will be considered a part-time student even if they are a graduate assistant.

For graduate students who are United States veterans, enrollment in less than six credits per semester is considered half-time.

Grade Point Average

A candidate for a graduate degree or certificate must have a minimum Graduate Program GPA of 3.00 to be eligible to graduate or receive a certificate. The Graduate Program GPA, computed by the Graduate College, includes all completed graduate coursework accepted at admission and all subsequently approved coursework that is being applied toward a degree or certificate via the Plan of Study form Parts I and II. This Graduate Program GPA is different from the cumulative graduate GPA listed on the student's transcript. The cumulative graduate GPA reflects all of the graduate-level courses taken while a graduate student (graduate degree and/or non-degree) in any certificate or program at UNLV.

Graduate-Level Grades

At UNLV the following symbols are used in reporting and recording graduate student grades:

A – Superior (4.0)

B – Passing (3.0)

C – Below Average (2.0)

D – Deficient (1.0)

F – Fail

AD – Audit (not graded, no credit toward GPA)

I – Incomplete (see guidelines below)

S – Satisfactory

U – Unsatisfactory

X – Hold: Grade is used only for thesis or dissertation courses. Grade is changed upon successful completion of thesis or dissertation by the Graduate College on receipt of a passing *Culminating Experience Results form*

Faculty members have the option of using plus (+) and minus (-) for grades of A, B, C, and D. Exception: A+ grades are not given. At the graduate level, grades below a B are generally considered unacceptable. Graduate students must have a 3.0 GPA in order to qualify for graduation.

Note: At the graduate level, grades below a B or B- (depending on the program) are often considered unacceptable and some program handbooks prohibit students from using course grades below a specific cut-off on their degree program. All graduate students must have a graduate program GPA of 3.0 or higher in order to qualify for graduation.

Incomplete Grades or “I”

The grade of ‘I’ — incomplete — can be granted when a student has satisfactorily completed at least three-fourths of the semester but, for reason(s) beyond the student’s control that are acceptable to the instructor, the student cannot complete the course, and the instructor believes that the student can finish the coursework without repeating the entire course again. In this case, the following rules apply:

- The ‘I’ grade is used for content/lecture type courses (not thesis, dissertation, or professional paper credits) designed to be completed within one year in instances where the student has completed the majority of the semester coursework, but is unable to complete all of the requirements with good cause. The professor is responsible for determining if the reason for non-completion is satisfactory, if an Incomplete grade is appropriate, and the terms of the Incomplete including what the student needs to do to successfully complete the course requirements as stated in the course syllabus to earn a final grade.
- An ‘I’ may only be given when the majority of the coursework has been completed with a cumulative average of ‘B’ or better.
- Graduate students receiving an ‘I’ grade have one calendar year to complete all course requirements and remove the ‘I’ grade; however, the instructor may require that it be made up

in less time. If course requirements are not completed within one year, the Registrar’s Office will automatically record a grade of ‘F’. Undergraduate students enrolled in graduate-level courses must complete the coursework within one semester or the “I” will default to an “F.”

Graduate Students Taking Undergraduate-Level Courses

If a graduate student enrolls in undergraduate-level courses in their graduate career (under a graduate non-degree-seeking or graduate degree- or certificate-seeking program), the undergraduate course enrollment will be marked as “cross-career” on the student’s official transcript and those courses will not contribute to earned credits or graduate GPA.

- If graduate students need undergraduate-level courses to show as earned credit on their transcript for employment or educational reasons, they must submit and pay for an undergraduate non-degree seeking application through the Office of Undergraduate Admissions and register for those courses in an undergraduate career.
- If a graduate student takes undergraduate courses in their graduate career and needs them changed to reflect earned credit at a later date, they will be required to submit and pay for an undergraduate non-degree seeking application through the Office of Undergraduate Admissions in order for the coursework to be moved.

Graduate Credit

All courses numbered 500-899 or above are considered graduate-level. Undergraduate-level courses are numbered 100-499. Some graduate level courses are not usable for graduate credits. One example of this are courses with an RPDP prefix; these are non-graduate credit granting courses and are indicated as such on the UNLV transcript.

- 500-level classes are generally seen as remedial graduate courses, and they may also be used for non-degree, non-credit bearing courses; these may be cross-listed with 300 or 400 level undergraduate courses, with appropriate curricular review and approval.
- 600-level classes are generally seen as foundational graduate coursework, and/or masters level coursework; these courses may be cross-listed with 400-level undergraduate courses, with appropriate curricular review and approval. When cross-listed with an undergraduate course, graduate student course requirements will be different from, and more rigorous than, those of undergraduates. As much as possible, 600-level graduate classes should not be cross-listed with undergraduate courses unless there are specific disciplinary, accreditation, and/or programmatic reasons to do so.
- 700+-level classes are generally seen as advanced graduate coursework and/or doctoral level coursework; they may not be cross-listed with undergraduate courses.

Office of the Registrar and Schedules

The Office of the Registrar is the official repository of academic calendars, term calendars, and final exam schedules. Students can also find the Class Search and the Course Catalog in the MyUNLV registration system.

Pass/Fail Grades

The Satisfactory (S) or Failing (F), or Satisfactory (S) or Unsatisfactory (U) marks are used upon completion of the thesis, dissertation, professional paper, or for non-credit or satisfactory/fail courses. Grade-point values are not assigned for S or U grades. F grades are calculated as a zero on transcripts and in the graduate GPA.

Many graduate and professional schools opt not to offer S/U or S/F graded courses, and/or may not accept ungraded or S/U or S/F transfer credits, or accept them only if accompanied by written evaluations of the work accomplished in such courses that bear upon the field of specialization. At UNLV, a maximum of three (3) graduate coursework satisfactory/unsatisfactory/fail (S/U or S/F) units may apply towards a master's degree, and up to six (6) credits of S/U or S/F coursework may be used toward doctoral degrees, excluding the S/U units allowed for the comprehensive examination, professional paper, and thesis/dissertation units, but including transfer units. For graduate courses, a grade of "S" indicates achievement equivalent to a "B" or above. The grade of "U" represents performance equivalent to a "B-" or below.

Transcripts of Credit

Official transcripts bear the university seal, the registrar's signature, and reflect all academic work attempted at UNLV. Current students may access their unofficial transcript in their MyUNLV Student Center. Official transcripts are copies of student academic records of all work attempted at UNLV and bear the seal of the university and the registrar's signature. Official transcripts may be requested via the Office of the Registrar. Transcripts of work from other institutions or any nontraditional credit transcripts will not be issued.

Undergraduates Taking Graduate-Level Courses

Undergraduate students who have completed a minimum of 90 semester hours of credit and have a 3.00 or higher grade point average may enroll in graduate courses. Students in the Honors Program must have a minimum of 45 semester hours of credit and a 3.00 or higher grade point average. The Approval for an Undergraduate to Enroll in Graduate-Level Coursework form, available on the Forms page of the Graduate College website must be completed and approved by the academic department and the Graduate College in order for permission to enroll to be granted. Students may enroll in up to six hours of graduate-level courses during one semester.

- Reserving Courses for Graduate Credit - Upon approval, and pursuant to the policy above, UNLV undergraduates may enroll in graduate-level coursework and reserve the credits earned for possible future use in an advanced degree

program. Students must indicate that they are reserving the credit on the Approval for an Undergraduate to Enroll in Graduate-Level Coursework form. After approval of the form, the Graduate College notifies the Office of the Registrar, and that office adds a notation to the student's transcript in MyUNLV indicating the courses have been reserved. Coursework reserved for graduate credit may not be used to satisfy baccalaureate degree requirements.

- Graduate Courses for Undergraduate Credit - Upon approval, UNLV undergraduates may enroll in graduate-level coursework for use in an undergraduate degree program. Students must indicate that they are not reserving the credit on the Approval for an Undergraduate to Enroll in Graduate-Level Coursework form. Courses used in an undergraduate program may not be applied toward an advanced degree at a later date.

Unit of Credit

The unit of credit, or semester hour, is generally defined as one 50-minute lecture per week for a semester. Two or three laboratory hours per week, depending on the amount of outside preparation required, usually carries the same credit as one lecture hour. UNLV follows the NWCCU guidelines and requirements for hours per credit.

The Graduate Student Lifecycle

The Graduate College employs a student lifecycle model for all degree-seeking graduate students. The lifecycle model is used in our Grad Rebel Gateway portal and student messaging; in our nonacademic advisement to support progression through required forms and milestones; and in all of our workshops, events, and professional/career development opportunities. We organize students into one of six categories: early-, mid-, late-career master's and specialist/Artist Diploma students, and early-, mid-, late-career doctoral students. Based on the stage of the lifecycle that a student occupies they will get targeted and personal messaging and information to help them successfully progress to a timely graduation. Graduate certificate-seeking students should refer to the Certificate section within the Late-career students section of this Graduate Student Handbook for more details.

Graduate Student Success Through the Graduate Lifecycle

Retention, Progression, & Completion (RPC) Team

The RPC team is an organizational unit within the Graduate College that facilitates the degree progression and completion of each student. The RPC team helps graduate students through the graduate lifecycle to: progress toward degree and/or certificate completion; understand program requirements; navigate policy, procedural and form requirements; proceed through the thesis and dissertation submission process; understand and complete all certificate and degree requirements. The RPC team also verifies and confers students' degrees and certificates. Students should contact the RPC team at grad.rpc@unlv.edu throughout their student lifecycle for assistance with forms, degree requirements, and graduation processes.

The Grad Academy: Innovative Leadership, Professional, and Career Development

The Grad Academy is the central hub for evidence-based graduate student professional and career development programming and nonacademic advising. Beginning in fall 2019, we have transitioned from a virtual center to a designated space in the University Gateway Building. We offer more than 60 workshops, 11 signature events, nonacademic advising, and career support each year in addition to offering four Academic Co-Curricular Certifications and ten Grad Rebel Programs. All of these are free professional and career development opportunities for graduate and professional students.

While all students are able to attend any workshop, our goal is to help students prioritize their experiences and provide resources that will be most useful to them as they need particular skills in the course of their degree program. We accomplish this by providing an organizing framework that clearly shows students the topics of workshops, programs, activities, the learning objectives, the format of delivery, the time commitment required, and what level of student is poised to most benefit from the experience. To accomplish this, we have broken down professional and career development across the master's and doctoral student lifecycles.

Graduate College Co-Curricular Certifications

These non-credit bearing certifications are free, year-long programs. Students are accepted as a cohort, complete a number of program requirements, and submit a culminating experience in order to fulfill requirements and earn the certification. The free application cycle for each certification opens at the start of the spring semester for the following academic year. We currently offer the following certification programs:

- Graduate Teaching Certification
- Graduate Research Certification
- Graduate Mentorship Certification
- Graduate Communication Certification

Upon completion, Graduate College certifications are posted on the students' transcripts.

Grad Rebel Programs

All of these programs help graduate students build and refine transferable skills that can be used in a variety of career pathways. Students are accepted as a cohort and need to complete a number of program requirements. The free application cycle for each certification opens at the start of the spring semester for the following academic year. We currently offer the following certification programs:

- Grad Rebel Ambassadors Program: Ambassadors are among the best and brightest graduate students on campus and they act as the face of the College at our campus and community events, in meetings with prospective and current donors, and they participate in advocacy work

with local, regional, and national engagement. Grad Rebel Ambassadors are highly visible members of the Graduate College team who help cultivate a strong graduate community and strengthen ties between the Graduate College, alumni, and community members. These students receive scholarships for their participation in this prestigious program as well as training in multiple skills and areas to prepare them for their ambassador roles..

- Grad Rebel Advantage Program: Provides cohorts of UNLV undergraduate students with mentorship, workshops, professional development opportunities, and scholarships to help prepare them for graduate studies, whether at UNLV or elsewhere. Graduate students have the opportunity to serve as mentors to a small sub-group of program participants.
- Rebel Research and Mentorship Program: Pairs undergraduate and graduate students -- who are overseen by a faculty mentor -- on research/scholarly/ creative projects to provide them with the opportunity to learn from one another and gain valuable skills. Participants receive scholarships and are funded to attend a conference to present their research/scholarship/creative activity at the end of the program.
- Grad Rebel Writing Boot Camp: A biannual, weeklong program that assists students working on major writing pieces, including theses, dissertations, and publications. A free intensive writing experience with optional writing groups that continue year-round.
- Grant Writing 101: A biannual program that introduces students to the grant writing process, including the steps to find, evaluate, and obtain grant funding. After completing this program, students will be ready to apply for the Get That Grant! Program.
- Get That Grant! Program: A biannual program that facilitates holistic grants training by providing students with access to training modules, writing communities, funding review panel training, senior granter mentorship, and tailored college programming.
- Graduate College Medallion Program: Honors exceptionally involved and high-achieving students with medallions to be worn at commencement to mark their accomplishments.
- Post-Graduate Career Pathways Program: Helps graduate students explore and prepare for a variety of career options after completing their graduate program.
- Grad Alumni Ambassadors: UNLV graduate degree holders who work with the Graduate College to help represent the graduate alumni body. Goals include building a strong graduate alumni community; working with the Graduate College to extend mentorship, professional, and career development opportunities to current students; and strengthening ties between Graduate College alumni, and our broader community members.
- Nonacademic advising and graduate ombuds services;
- Graduate career development resources to help students prepare for life during and after their graduate studies; and
- Graduate College events to highlight, celebrate, and build a strong and thriving community of graduate faculty and student scholars and collaborators.

Online Surveys and Mandatory Annual Individual Development Plans

- Each fall, an optional Graduate Student Life and Climate Survey is distributed for students to complete which allows us to compare graduate student experiences, satisfaction, and needs, year over year.
- Each winter, graduate students are required to complete a mandatory annual evaluation called an Individual Development Plan (IDP), which is reviewed and approved by the student's advisor (where applicable) and graduate coordinator.
- Students are also required to complete an Exit Survey as part of their graduation procedures.

Navigating Graduate Student Campus Business: Guides and Tutorials

- Academic Calendar Deadlines: How to look up the registration add/drop deadlines for your classes.
- Adding Addresses: Instructions for students who want to add, edit, or remove addresses from MyUNLV.
- Adding Names: Adding/editing preferred, degree, or application names on your student account.
- Auditing a Class: Step-by-step guide to auditing a class.
- Enrollment Appointment Guide: Locating your Enrollment Appointment in the Rebel Student Homepage.
- My Planner Guide: Adding classes to MyPlanner in your Student Center.
- Ordering Official Transcripts: Step-by-step guide for ordering official transcripts.
- Registration Guide: Tips and tricks for enrolling in classes.
- Unofficial Transcripts: Step-by-step guide for downloading your unofficial transcripts.
- Waitlist Guide: Adding, swapping, and dropping waitlists.

Early-Career Students

Early-career students are defined as students who are working on completing the first third of the coursework required for their degree.

Initial Steps for New Graduate Students

- Students should identify their initial advisor or contact their graduate coordinator listed in their Grad Rebel Gateway portal or on the Degrees Directory which also houses the program handbook.
- Students must attend the mandatory new graduate student orientation held by the Graduate College, so they can get information on important policies, access to campus resources, and meet Graduate College staff.
- New graduate students must also attend any orientation/meeting for their specific programs as an opportunity to get to know fellow incoming students, meet faculty, and access information they will need as they are starting their program.
- New GAs must attend the GA orientation to learn more about their role and responsibilities.
- Students are encouraged to engage with the Graduate College and the GPSA to become involved with the larger graduate community and take advantage of the many free resources available to students.

Progression, Forms, and Milestones

- Early-career students must satisfy any admissions conditions or provisions as specified on their admissions offer letter (see Admission status and classification of students).
- Students needing to declare a subplan (concentration or track) or change a plan or subplan, should do so during the early-career stage by contacting their Graduate College RPC coordinator who will work with the student and their department.
- Students who need a GAC should identify a faculty mentor and begin working on establishing their full GAC. Students needing a GAC will see the Appointment of Advisory Committee form in the Required Forms page in their Grad Rebel Gateway account. All students completing a thesis, dissertation, or doctoral project are required to have a GAC. Students who need a Graduate Faculty Advisor should work with their department to identify that individual. Students needing a Graduate Faculty Advisor will see that form on their Required Forms page in the Grad Rebel Gateway.

Engagement Opportunities

The Grad Academy offers early career students a wide range of workshops throughout the year as well as the opportunity to participate in the Research or Financial Wellness Certification throughout the year. Many of these offer training in core skill sets that graduate students need to be successful in their graduate programs. It is also a good time to start building a career pathway plan, including supplemental learning opportunities that promote professional skill development and career readiness. Recommendations for early-career students include: the Research Certification, Financial Wellness Certification and workshops on the following topics: how to conduct a literature review, how to pay for graduate college, citation management, tips for first year graduate students, and study skills and time management. Please visit The Grad Academy Website for the most updated information.

Mid-Career Students

Mid-career master's students are defined as those who have completed between one-third of the coursework required for the degree up to approximately 75% of their required course credits. For doctoral students, mid-career is the phase between having completed about one-third of their required course credits up until they successfully advance to doctoral candidacy.

Successful Student Progression

Mid-career students should maintain continuous enrollment and successfully complete required courses. The majority of student forms should be submitted during the mid-career phase. See the Student Forms section for information on which forms are required, form locations, routing, approval processes, etc.

Forms and Milestones

- Submit the Graduate Advisory Committee Appointment form (if applicable); submit the Committee Change form, if needed.

- Submit the Appointment of Faculty Advisor form (if applicable - certificate and master's only).
- Submit Plan of Study Parts I and II - if the program requires the appointment of a faculty advisor or an advisory committee, the student must have that respective form approved in order for the Plan of Study Parts I and II to be initiated or submitted.
- Submit a Prospectus form (if applicable - master's only) - the student must have a Plan of Study Parts I and II approved in order to initiate or submit this form.
- Submit Advancement to Doctoral Candidacy form (doctoral only) - the student must have a Plan of Study Parts I and II approved in order to initiate or submit this form.

Engagement Opportunities

The Grad Academy offers mid-career students a wide range of workshops, certificates, and programs throughout the year. Mid-career is a terrific time to start working on and adding professional credentials that reflect advanced skill sets. These 'transferable skills' are helpful to your degree progression and completion but also show future employers that you will bring these and similar skill sets to your work. Also, at mid-career many students firmly identify their strengths and weaknesses as students; it is a great time to use freely available campus workshops, professional development certifications, grad badges, career development programs, and the like, to address areas of weakness and build on areas of professional strength. Opportunities for mid-career students include Research Certification, Teaching Certification, Mentorship Certification, Communication Certification, Grad Rebel Writing Boot Camp, Grad Rebel Advantage Mentor, Grad Rebel Ambassadors, Rebel Grad Slam: 3-Minute Thesis Competition. Please visit The Grad Academy website for the most updated information.

Late-Career Students

Master's students are considered in the late-career stage once they have completed 75% of the coursework required for the degree. For doctoral students, a student is in the late-career stage after they have an approved Advancement to Doctoral Candidacy Form on file with the Graduate College.

Successful Student Progression

- Late-career students should maintain continuous enrollment and be mentored to successfully complete their degree requirements and culminating experiences. The majority of student forms should have been submitted during the mid-career phase.
- Students should be sure to apply for graduation a minimum of one full semester prior to their intended graduation (not in the semester of graduation!) through their MyUNLV account. This will trigger the Graduate College RPC team to conduct a preliminary degree check and advise the student on which requirements are left to be completed prior to degree conferral.
- Master's thesis and doctoral students must review Thesis and Dissertation Formatting Information and Guides,

should attend a T/D formatting drop-in session, and ensure that their final documents are properly formatted to UNLV requirements, conform with their discipline-specific style guide (APA, Chicago, etc. -- required and checked by student's Graduate Advisory Committee), and are free from all types of plagiarism and academic dishonesty. To ensure the latter, all master's thesis and doctoral students are required to run their final draft of their thesis or dissertation document through iThenticate. Students must submit their final iThenticate report to their GAC at least one week prior to their defense, as well as submit the first page of their Similarity Report into their Culminating Experience Results form in the Grad Rebel Gateway.

Forms and Milestones

- Verify that all forms that were required in early- and mid- stages were submitted and approved via the Grad Rebel Gateway.
- All coursework, including classes with incomplete grades from prior semesters, must be complete by the end of the term for which the student has applied for graduation.
- Students must apply for graduation by the Graduation Deadlines for their intended term of graduation. Late application requests should be sent to grad.rpc@unlv.edu. If approved, the student will also be responsible for paying an additional late fee of \$20.
- Announce date/time/location of defense if completing a thesis, dissertation, or doctoral project.
- Successfully defend the final document, if applicable.
- Submit the Culminating Experience Results Form (see Student Forms)
- Submit thesis/dissertation/doctoral document for format check, if applicable.
- Be sure it has been run through iThenticate and the report is submitted with the final document.
- Once the final document is approved by the Graduate College, master's thesis and doctoral students receive information about the mandatory upload into ProQuest.
- As part of the graduation requirements for students completing theses, dissertations, or doctoral projects, students must submit their final approved document electronically to ProQuest and Digital Scholarship@UNLV; both are digital repositories of scholarly work.
- Some students may have a compelling reason to embargo their thesis or dissertation for a period of time to protect intellectual property rights or due to other publication restrictions (see Student Forms). Common reasons for embargoes include: publishing conflicts; patent applications; potential to publish in the next few years; monograph publication timeline; funding contracts; etc.
- In order to embargo their thesis or dissertation, students must complete the Embargo Request Form, which can be found in the Grad Rebel Gateway (click Forms, then Additional Forms). Since the author owns the copyright to the document, embargoes can only be filed by the document's author (see also: Student Forms).
- Graduate and participate in Commencement. Graduate certificate students are not eligible to participate in university commencement.

- Refer to the Graduate College Completing Your Academic Program page for more information and deadlines related to graduation.

Engagement Opportunities

The Grad Academy offers late career students a wide range of workshops, certificates, and programs throughout the year. At this stage, it is essential for students to articulate a career plan and be able to show evidence of all necessary professional skills and experiences to be competitive in their field. This is a great time to earn a grad badge, join a Graduate College program, or earn a professional development certification to complement your academic achievements and enhance your transcript, resume, or curriculum vitae. Opportunities for late-career student include Research Certification, Teaching Certification, Mentorships Certification, Communication Certification, Grad Rebel Writing Boot Camp, Post-Graduate Career Pathways program, Get the Grant, Rebel Research and Mentorship program (RAMP), Grad Rebel Ambassador, Grad Rebel Advantage mentor, Medallion program, Rebel Grad Slam: 3-minute thesis competition, Graduate Showcase, Inspiration, Innovation, and Impact & Research Forum, Diversity Research & Mentorship Forum. Please visit The Grad Academy website for the most updated information.

Applying for Graduation

Students should apply for graduation a minimum of one semester prior to their intended graduation through their MyUNLV account. During the 2020-21 academic year, the graduation application will likely be moved from MyUNLV into the Grad Rebel Gateway. Students should monitor their Rebelmail for announcements on this change.

Submitting an application for graduation will trigger the Graduate College RPC team to conduct a preliminary degree check and advise the student which requirements are left to be completed prior to degree conferral.

Students must apply for graduation/certificate completion in MyUNLV by the appropriate Graduation Deadlines for their intended term of completion. The graduation application fee is \$75. Late application requests should be sent to grad.rpc@unlv.edu. If approved, the student will also be responsible for paying an additional late fee of \$20.

If students do not complete the degree requirements in the term anticipated, it is expected that they will do so in the next term. One free rollover of the graduation application is allowed to the next term, including summer. If the student does not graduate in the next term, a new application for graduation must be filed, and an additional graduation application fee will apply.

For information on culminating experience, thesis and dissertation requirements, please refer to the Milestone Examinations and Culminating Experience Requirements and Master's Thesis and Doctoral Project Oral Defense Requirements sections for more information.

Granting of Degrees

Degrees are awarded three times a year in May, December, and August. When students apply for graduation, the Graduate College RPC coordinator reviews the degree program and all degree requirements to ensure every Catalog requirement for the student's program has been successfully met and completed. The Graduate College dean certifies that students have met degree requirements, and a recommendation is forwarded to the Board of Regents. If any requirement has not been met, the degree will not be awarded. The degree will be revoked if it is awarded in error, or if it is later discovered that the degree requirements were not met, or if fraudulent claims, unethical student behavior, or other breaches of protocol are later discovered. Diplomas are mailed approximately eight to 10 weeks after the end of the semester. Students will receive email confirmation once their degree has been officially conferred. Students needing official proof of degree can request official transcripts through the Office of the Registrar after receiving the confirmation email that their degree has been awarded.

Commencement

Commencement is a wonderful celebration of student accomplishments and a lovely ceremony recognizing your transition from student to alumni, from mentee to colleague. Commencement is typically held twice a year in May and December; August graduates participate in the December commencement. Students must complete all degree requirements by the posted semester deadline in order to be allowed to participate in university Commencement. Students completing graduate certificates are not eligible to participate in Commencement unless they are also completing a graduate degree in the same semester. Students' names will appear in the Commencement Program issued for the semester of degree completion. Summer graduates' participate in December commencement ceremonies and their names appear in that commencement program. To ensure their name appears in the program, students must release their information through MyUNLV.

Please note that while we strongly encourage all graduates to participate in the commencement ceremony, doing so is not required to earn your degree.

In addition to the information above, here are some helpful links on graduation-related items.

- Graduation Deadlines
- Thesis and Dissertation Guidelines
- Information on Embargoing a Thesis or Dissertation
- Completing your Academic Program
- Information on Commencement

Certificate Completion Procedures

- Students should identify their pro tem advisor or contact their graduate coordinator listed in their Grad Rebel Gateway portal or on the Degrees Directory which also houses the

program handbook.

- Students must attend the mandatory New Graduate Student Orientation held by the Graduate College, so they can get information on important policies, access to campus resources, and meet Graduate College staff.
- New graduate students must also attend any orientation/meeting for their specific programs as an opportunity to get to know fellow incoming students, meet faculty, and access information they will need as they are starting the program.
- Students are encouraged to engage with the Graduate College and the GPSA to become involved with the larger campus resources and take advantage of the many free resources available to students.
- Certificate students must satisfy any admissions conditions or provisions as specified on their admissions offer letter.
- Students must submit Plan of Study Parts I and II - if the program requires the appointment of a faculty advisor, the student must have that respective form approved in order for the Plan of Study Parts I and II to be initiated or submitted.
- All coursework, including classes with incomplete grades from prior semesters, must be complete by the end of the term for which the student has applied for certificate completion.
- Students must apply for certificate completion in MyUNLV by the appropriate Graduation Deadlines for their intended term of completion. The graduation application fee is \$75. Late application requests should be sent to grad.rpc@unlv.edu. If approved, the student will also be responsible for paying an additional late fee of \$20.
- Certificate-seeking students are not eligible to participate in commencement.
- Certificates are conferred after the student has fulfilled all certificate requirements and all required forms have been approved. Certificates are mailed approximately eight to 10 weeks after the end of the semester.
- Refer to the Graduate College Completing Your Academic Program page for more information and deadlines related to certificate completion.

Graduate Student Advisory Committees

Advisor

Students are assigned a pro tem advisor by their graduate program at the time of admission into the Graduate College. The advisor is typically the graduate coordinator or another graduate faculty member selected by the department.

Some degree programs (all thesis and dissertation tracks, and some others) require students to convene a GAC. Once admitted into the program, it is the responsibility of the student to personally select an advisor to serve as chair of their GAC and to find appropriate faculty members to fulfill the other required roles on the GAC.

What is a Graduate Advisory Committee (GAC)?

GACs are mandatory for master's theses, professional doctoral projects, and doctoral dissertations. Programs

with other culminating experiences may opt to require a GAC, and if so, this information must be in the Graduate Catalog and program handbook to inform students of this requirement.

The GAC is responsible for guiding the student through the graduate program; assisting the student with their professional paper, projects, thesis, or dissertation; and administering the final examination or culminating experience.

The primary purpose of the GAC is to train, support, socialize, and educate graduate students via the mentorship model; to promote excellence in research/scholarship/creative activity; ensure full compliance with the norms of the discipline and ethical conduct of research/scholarship and creative activity; elevate students to the successful completion of their culminating experience in a timely manner; and to prepare them for career success.

Not all graduate degree programs require the appointment of an advisory committee. Students should consult with their advisor to determine whether or not an advisory committee is necessary. All departmental members of the committee should have expertise in the student's research area. Master's and doctoral students must submit the Appointment of Advisory Committee form to the Graduate College before establishing the degree program and before submitting their Prospectus Approval or Advancement to Doctoral Candidacy forms.

The Graduate College must approve the GCR, and all advisory committee members on the Appointment of Advisory Committee form, before students proceed to work with their advisory committee, sit for exams, defend a prospectus, or otherwise participate in any milestone event involving their advisory committee.

Graduate Advisory Committee Composition and Guidelines

The following guidelines explain GAC requirements and ensure graduate program rigor and ongoing regional accreditation.

- The GAC is always composed of a minimum of four graduate faculty filling specific committee roles and responsibilities. These mandatory GAC positions are one chair, two department/school members, and one GCR as described below.
 - Chair: Chairs must have GFS with appropriately approved chair privileges in the student's home department/school. This person is the primary advisor and mentor for the student and guarantor of quality and excellence in the final document and defense. This includes but is not limited to:
 - maintaining high standards of disciplinary excellence;
 - providing strategic advisement and mentorship to students to help them progress in a timely and successful manner through their graduate programs;
 - overseeing high-quality, original, rigorous and ethical research;

- making sure that the student is aware of, prepared for, and meets all required program milestones and university requirements over their student lifecycle;
 - advising students on critical professional development skills and opportunities that align with their career goals and pathways;
 - serving as the Principal Investigator in IRB applications for thesis/dissertation studies per UNLV policies; also see information Policies and Procedures on the Protection of Research Subjects in Safety and Emergency Information;
 - and preparing students to successfully defend a well-written and appropriately formatted final document.
- Two department/school committee members: Department/school committee members must have GFS with committee rights in the student's home department/school. GAC members are also responsible for:
- maintaining high standards of disciplinary excellence;
 - supporting the GAC chair to provide strategic advisement and mentorship to students to help them progress in a timely and successful manner through their graduate programs;
 - overseeing high-quality, original, rigorous and ethical research;
 - coordinating with the GAC chair to make sure that the student is aware of, prepared for, and meets all required program milestones and university requirements over their student lifecycle;
 - advising students on critical professional development skills and opportunities that align with their career goals and pathways;
 - and helping to prepare students to successfully defend a well-written and appropriately formatted final document.
- GCR: Must have GFS with approved GCR rights at UNLV. These faculty may not hold GFS in the student's home department/school. See #7 below for additional guidelines regarding the role of the GCR. The Graduate College must approve the GCR, and all advisory committee members on the Appointment of Advisory Committee form, before students proceed to work with their advisory committee, sit for exams, defend a prospectus, or otherwise participate in any milestone event involving their advisory committee.
- In addition to the above, students may opt to add extra members to their GAC:
 - Co-Chair: Must have GFS at UNLV (with chair privileges designation- GFS Privileges Table). This person shares responsibilities with the other co-chair (see The Graduate Faculty).
 - Additional Committee Member to a Full GAC: Must hold GFS at UNLV. An additional committee member added to a full GAC may be a faculty/staff/postdoc, lecturer, part-time instructor (PTI), FIR, or PIR in any graduate/professional program at UNLV; may be an academic faculty member at another university; or may be a highly esteemed and accomplished community member with documented expertise in the student's area of study.

Additional members solely holding "Extra GAC Member-only" designation (Level 7 in GFS Privileges Table) are non-voting members on the GAC (see The Graduate Faculty).

- Faculty must hold a terminal degree from the same or a very closely related discipline in which they chair or serve as a department/school committee member for master's or doctoral students.
 - Case-by-case exceptions may be permitted depending on context (e.g. a DDS chairing an oral biology master's degree, law professor serving on a Criminal Justice Ph.D., committee, etc.).
 - Graduate faculty with non-research-based terminal degrees may not solo chair committees for students earning research degrees; they must co-chair with a faculty member holding a Ph.D. or Ed.D.
- The GAC chair and department/school committee members must be active researchers/scholars/performers and have some experience or demonstrated capacity to successfully advise graduate students.
- Graduate faculty who have never chaired a GAC before should have a faculty mentor in their department who consults with them to ensure full and successful execution of GAC chair duties and strong student mentorship.
- GAC chairs and department/school committee members are responsible for ensuring that the student is well-advised, progresses at an appropriate pace, and completes their degree after successful defense of a rigorous, original, high-quality thesis, project, or dissertation. The GAC must ensure student compliance with university requirements and appropriate, ethical, disciplinary standards, and practices. Final documents must be formatted correctly and consistently using the conventional format common to the student's field of study and should conform to the discipline's standard publishing format (e.g., APA, ASA, MLA, Chicago style, etc.), and also must reflect Graduate College thesis/dissertation formatting requirements.
- GCRs on the GAC must have GCR privileges in order to serve in this capacity.
 - GCR privileges require that the faculty member have a terminal degree in their field, be employed full-time in a tenured/tenure-track faculty position or a multi-year contract at UNLV, knowledgeable about all policies and procedures, and hold GFS in a graduate degree-granting department/school at UNLV.
 - The role of the GCR is to be a representative of the Graduate College on the committee, and fully up-to-date on all the policies, procedures, and best practices of student mentorship. The GCR represents the university on committees, and as such must:
 - mediate as necessary to ensure appropriate, fair, and equitable treatment of students and graduate faculty on the GAC;
 - ensure appropriate standards of scholarly conduct and research ethics are upheld;
 - Attest, to the best of their ability, that the final document is:
 - ◆ original;

- ◆ academically rigorous;
 - ◆ publication-quality, particularly if serving on a doctoral GAC;
 - ◆ well-written;
 - ◆ and appropriately formatted (per both the applicable style guide, e.g. APA or other conventions per student's area of study and UNLV thesis/dissertation formatting requirements).
- GCRs may have substantive expertise related to some or all of the student's projects, but this is not required because their role on the GAC is to ensure general rigor, quality of writing, propriety, fairness, and compliance with all university policies and processes.
- Any concerns witnessed by anyone on a GAC should be reported to the Graduate College dean or associate dean, and if necessary, also simultaneously to the appropriate office on campus (e.g. Compliance, IRB, Student Conduct, Risk Management, Disability Resources, etc.).

Changes to the Graduate Advisory Committee (GAC)

It is not uncommon for GAC membership to change for a variety of reasons, including faculty leaving UNLV. If a student needs to replace any members of a GAC, this can be done easily with the Change of Advisory Committee Form in the Grad Rebel Gateway. Please see more information here. (see also: Student Forms)

Students who have an approved Appointment of Advisory Committee Form on file with a need to change the composition of the committee must complete and submit the Change of Advisory Committee Form. Change requests must still adhere to all GAC requirements.

Students have a right to change their committees as they see fit, however, all ethical and professional rules and guidelines governing research data, creative activities, funded projects, must be considered and followed. Also, please note that when a student requests a change of advisory committee immediately after a failed exam or defense, and prior to the retaking of said exam or defense, the department and/or academic dean and Graduate College dean may not allow the committee change until the current milestone exam or defense is completed, or the student may need to start the process over with their new committee.

Progression And Completion Policies (Listed Alphabetically)

Academic Standing

Students are expected to remain in good academic standing as they matriculate through their graduate program. Refer to the Maintaining Good Academic Standing section for more information.

Annual Mandatory Individual Development Plan and Procedures

Each winter break and early spring term, graduate students are required to complete a Graduate Student Individual

Development Plan form or IDP. The review covers the prior calendar year and assesses student progress, and it establishes reasonable goals for the year ahead. Reported student data is shared with students' graduate coordinators and faculty advisors to foster opportunities for discussion about students' strengths and weaknesses, accomplishments and next requirements, and mentoring plans so that students know what they need to do in order to progress successfully through their programs in a timely manner. Students who are graduating are also required to complete the form in order to record their achievements since the data is also used to track metrics related to the annual productivity of all students.

After reviewing each student's IDP, the faculty advisor and/or graduate coordinator provides feedback, outlines expectations for the subsequent year, and provides signatures using an electronic DocuSign document.

Appeals and Procedures

Graduate academic appeals are used to guarantee due process rights for students. The appeal process involves program faculty review, college/school review, and Graduate Collegedean review and respondents are encouraged to attach supporting documentation at each level of appeal review. This process allows graduate students to request reconsideration or a remedy from alleged unfair or inappropriate academic practice, or relief or waiver from a UNLV and/or Graduate College policy or requirement. Appeals must be filed via the DocuSign Appeal form in students' Grad Rebel Gateway portal within 60 calendar days from the last day of the term/semester in which the issue being appealed arose. Students needing to appeal who last enrolled prior to 2017 but have not applied to admission to a different graduate program since then should email GradRebel@unlv.edu.

Each appeal is reviewed individually and a decision will be based on the merits of the request as substantiated in the documentation provided. The Graduate College dean may elect to request review of any appeal by the GALIC (which does not convene in summer) for their review and recommendation. The Graduate College dean will render the final decision and move to inform the student in a timely manner. Generally, graduate academic appeals take from two weeks to several months to resolve, depending on the nature and complexity of the appeal.

When submitting an academic appeal, it is the student's responsibility to provide a clear and concisely written statement explaining the reason for the appeal and the remedy being requested. The student must also provide all relevant documentation that they wish to be reviewed and considered in the appeal decision. Academic appeals must include:

- A written statement of explanation of the nature of the appeal.
- Relevant documentation and support. For example, documents may include medical records, work verification, police reports, death certificates, airline receipts, letters from professors on university letterhead, transcripts, etc.

Appeals Regarding Financial Issues

Appeals regarding financial issues (e.g., tuition refund, tuition waiver, student fees, late fees, etc.) must be submitted separately to the UNLV Cashiering and Student Accounts Office, using their Tuition and Fee Appeal Form. If an appeal involves both academic and financial issues, the student should submit an academic appeal first to the Graduate College and wait for a decision before commencing with the financial appeal to the Cashiering and Student Accounts Office. For further information concerning the financial appeal process please refer to Cashiering and Student Accounts.

Continuous Enrollment

After admission to a graduate program, students must register for and complete a minimum total of six hours of graduate credits over the current and two previous semesters (summer enrollment counts toward this minimum enrollment requirement). Students who have not registered for academic work within the three rolling semesters will be separated from their program and must reapply for admission should they wish to continue. All students must be enrolled in a minimum of one credit in the semester that students defend their prospectus and when they are taking a qualifying, comprehensive/preliminary, or final examination. Additionally, all students working on a thesis or dissertation must also register for at least three graduate credits in their final semester and each semester until the document has been completed and has been given final approval. Please refer to the Graduate Non-Degree-Seeking Information section for more information on continuous enrollment requirements for non-degree-seeking students. Please note that this policy is separate and different from the Full- and Part-Time Enrollment policy.

Credit Toward Degree

- Courses used to fulfill requirements for one degree at UNLV or elsewhere may not be used toward another degree.
- No more than three credits of a student's degree program may consist of UNLV workshop, institute, and conference credits that have been approved through the standard curricular review and approval process, and the student must have received a grade for these credits.
- A course in which the student earns a grade of less than C may not be used to fulfill degree requirements. Departments may impose a higher grade standard, and it is common for degree programs to not accept courses with grades below a 'B'.
- Experiential (life and work experiences), correspondence, and audited courses may not be applied toward graduate degrees or certificates. In addition, courses numbered in the 100-499 series cannot be used for graduate credit. Only graduate, credit-bearing classes with the appropriate grading basis may be used toward a degree or certificate.
- A minimum of 50 percent of the credits a student uses toward a graduate degree program, excluding thesis, dissertation, or professional/scholarly paper, must be 700-level or higher courses.

- Individual departments may require more than the Graduate College minimum.
- The following select programs are exempted from this requirement: Music M.M., Curriculum and Instruction M.Ed., Higher Education M.Ed., Educational Psychology M.S. and Ed.S.
- The Satisfactory (S) or Failing (F) mark is used upon completion of the thesis, dissertation, professional paper, or for non-credit or satisfactory/fail courses. Grade-point values are not assigned for S. Many graduate and professional schools may not accept satisfactory/fail credits, or accept them only if accompanied by written evaluations of the work accomplished in such courses that bear upon the field of specialization. UNLV does not accept graduate courses graded satisfactory/fail for use in a degree program except for thesis, dissertation, or professional paper credits.

Enrollment and Milestones

Any student using the services of the academic staff or university facilities must be registered for classes in the semester in which the services are rendered or the facilities are used.

- Milestone/Program Examinations: Students must be enrolled in at least one graduate-level credit during any semester in which they take a milestone examination (e.g. preliminary, comprehensive, and/or qualifying exam).
- Prospectus Defense: Students must be enrolled in at least one graduate-level credit in the semester they defend their prospectus.
- Graduation/Completion Term: Students must be enrolled in a minimum of three graduate-level credits during the term in which they intend to graduate. This enrollment requirement applies to all degree- and certificate-seeking students. Completing courses from prior semesters with 'X' or 'I' grades does not fulfill this enrollment requirement.

Grade Changes

For incorrect grades, the Registrar's Office must receive notification to change a grade due to clerical error within 60 calendar days from the last day of the term/semester. The Grade Change Form is available on the Office of the Registrar forms page. For grade changes after this deadline, please submit a complete and signed Graduate College Appeal for Grade Change Form available via the Grad Rebel Gateway Forms tab under Additional Forms.

When a student requests a grade change on the basis of an instructor's error, the student should first attempt to resolve grading issues with the course instructor. If the issue is not resolved between the student and course instructor, a written summary should first be directed to the graduate coordinator of the department in question and the student should request a conversation about this matter at the department level and possibly in the office of the academic dean. If the problem remains unresolved to the student's satisfaction, the student may submit a complete and signed Graduate College Appeal for Grade Change Form via the Grad Rebel Gateway Forms tab under Additional Forms.

Leaves of Absence

If a graduate student is unable to meet the continuous enrollment policy, the student may request approval for a leave of absence (LOA) from a degree program.

- During the leave of absence, the student should remain in contact with the department about their return plans.
- One year is the standard leave period; two years is the maximum allowable leave. Military leave is the exception, and military orders must be attached to the form at the time of submission.
- If a student does not return by the end of their approved LOA, they must apply for an additional LOA, by submitting another Leave of Absence Form via the Grad Rebel Gateway, or they will be separated from their graduate program.
- Approved LOAs stop the clock for students regarding time to degree, incomplete grade reconciliation, and generally, probation requirements. The amount of time a student has left to reconcile an incomplete grade at the time they begin their leave of absence will be the amount of time they will have once they return from leave. Approved student LOA forms will state any special circumstances or requirements that may apply.
- Medical Leaves and Voluntary Health Withdrawal: Students may apply for a Voluntary Health Withdrawal (VHW) if they experience medical or psychological conditions that impair their ability to function successfully and safely in their role as a student. The Graduate College does not adjudicate requests for medical leave. Students should refer to information available on the VHW website for information regarding medical-related leave requests.

Mandatory Student Health Insurance

All admitted graduate students enrolled in nine or more credits are required to have health insurance. More information and guidelines can be found on the Mandatory Graduate Student Health Insurance page.

Probation and Separation

Academic probation at the graduate level is a non-punitive mechanism used to ensure graduate students who are not successfully progressing in their graduate programs are provided with clear information and requirements to guide them to appropriate progression and successful program completion.

Students who are in any way struggling, failing to progress, or otherwise at-risk should be placed on probation. Probation neither goes on a student's permanent record or transcript, nor does it necessarily result in the loss of a GAship. Academic probation is not to be used as punishment. Instead, graduate probation is a proactive and supportive step that advises students of concerns their faculty have about their performance and/or degree progression, clearly outlines steps to take to remedy the issue(s) and get back on track, provides information about resources that may help the student succeed, and sets a reasonable and appropriate timeline in which students must do so. If a student on probation fails to take the appropriate actions to improve their performance and

meet all the requirements established in their probation letter from the Graduate College within the time provided, the department/school may submit a request to the Graduate College to separate a student.

For the purposes of evaluating student progression, UNLV considers student performance in individual graduate classes; timely and successful completion of required milestones; appropriate engagement with and completion of scholarly, research, professional, and creative requirements of their program; adherence to expectations and timelines established by their advisor or graduate coordinator; graduate program GPA; as well as other indicators of academic success and timely program completion. So, unsuccessful degree program progression includes, but is not limited to, a failure to:

- maintain a minimum degree GPA of 3.0;
- earn satisfactory grades, including no more than two incompletes; grades below a B or B- (depending on the program's handbook); and no repeated withdrawals from courses required for the degree program;
- maintain continuous enrollment by completing six (6) graduate credits each rolling three semesters (including summer) toward their program requirements;
- be enrolled for at least one graduate-level credit during the semester in which a qualifying, comprehensive/preliminary, prospectus, or final examination is taken;
- consult with their advisor within a reasonable amount of time when requested;
- establish a GAC, when required;
- consult with a GAC when requested;
- develop and submit an official, approved degree program in a timely manner;
- establish the groundwork for an acceptable thesis or dissertation and successfully defend the prospectus in a timely manner;
- complete required comprehensive and/or qualifying examinations on schedule;
- meet a department milestone or pass the culminating experience in an appropriate time frame;
- successfully defend a thesis or dissertation in a timely manner;
- and/or meet approved requirements in their department's graduate handbook.

If a student fails to successfully progress in their degree program, their department/school will recommend that the student be placed on probation by the Graduate College. Departments, schools, and academic programs may not place students on academic probation on their own; they must recommend the probation to the Graduate College who will send the official notice of probation to students. Students on probation may be dismissed/separated from their program for failing to successfully meet the conditions of their probation by the deadline(s) provided.

Students may be dismissed/separated based on the

Student Program Dismissal Procedures which include:

- violations of ethical, professional, and/or student conduct in the field of study and/or as reflected in the UNLV Student Conduct Code and adjudicated by the UNLV Student Conduct board review process;
- failing to follow appropriate degree program handbook requirements that are more stringent than Graduate College requirements;
- and failure to successfully progress in one's degree program and failure to meet academic probation requirements within the prescribed time frame.

Please note that graduate students will be separated for failure to meet admissions conditions or provisions or failure to comply with the continuous enrollment policy.

A UNLV graduate student who has been separated for academic reasons has up to 30 days from the date of academic separation to appeal the separation decision. The appeal must be submitted to the Graduate College to be considered for academic reinstatement; and if approved, the student may be required to (re)apply to their desired degree program and complete the standard application process.

Students who are applying for admission or reentry into programs beyond the 30 day appeal period, may submit an application but are strongly encouraged to discuss their plans with the Department/program prior to application submission.

Please note that all probation and separation recommendations must be submitted to the Graduate College and only the Graduate College may officially place students on probation or separate students. Programs may not place students on "department" probation, nor separate students. These actions must be done in coordination with the Graduate College. All students are guaranteed due process rights and protections so students are always given the right to submit academic appeals.

Catalog Year for Program Requirements

The requirement term refers to the Catalog year that a student uses to establish their certificate or degree program requirements for the purpose of graduation. Typically, a student's term of admission is the requirement term they will adhere to so they will follow the certificate or degree requirements outlined in that Graduate Catalog. However, with departmental and Graduate College approval, a student may use the Catalog that is in effect at the time of their graduation, or a Catalog between their admission and their term of graduation. All students seeking a graduate degree or certificate under a given catalog year must adhere to all of the regulations and requirements outlined in that Catalog. Unless a student specifies otherwise, and has the support of their advisor and graduate coordinator, the term of admission will be the requirement term and that Catalog's degree requirements will apply.

Resident Credit Requirement

A minimum of two-thirds of total credits required to complete a graduate degree- or certificate- program – not including thesis, dissertation, or professional paper credits – must be earned at UNLV after admission to a graduate degree program.

Time-to-Degree (TTD) Recommended Guidelines

Below describes Graduate College recommended guidelines. Within reason, departments/schools and academic colleges may impose shorter or longer timelines for program completion specific to their field of study.

Degree Type	Intended Length	Graduate College Recommendations on Maximum Time to Degree
Certificate	1-2 years	4 years; 6 years if simultaneously enrolled in another graduate degree program
Master's	1-3 years	6 years
Specialist or Artist Diploma	3-6 years	6 years if admitted post-masters; 8 years if admitted post-bachelor's degree
Doctoral	3-6 years	6 years if admitted post-masters; 8 years if admitted post-bachelor's degree

- Each graduate program should establish a maximum time to degree for their students, contingent upon the approval of the Graduate College dean and inclusion in the respective program handbook.
- Students with courses in violation of the Course Credit Expiration policy must complete the Time Limit Extension Form to request use of those courses toward their graduate program (see Registration, Enrollment and Curricular Policies and Student Forms).

Student Forms

Generally, all Graduate College student forms are located in the Grad Rebel Gateway on the student's Forms tab. Forms render dynamically based on the specific graduate program enrollment of the student. If forms are required by the Graduate College for a student's program, they will appear under the Required Student Forms link in the Grad Rebel Gateway, and after submitting a form, students can monitor the approval progress of that form on this tab. These forms are sequential, in that they must be completed and approved in the order that they are listed in the Grad Rebel Gateway. They are mandatory and the Graduate College will not be able to confer a student's degree or certificate until all forms on the Required Student Forms page have been approved. Other forms will appear under Additional Student Forms and Departmental Forms tabs and are only required in situations outlined in the descriptions of those respective forms below.

Information regarding form routing and samples of forms are available on the Graduate College Forms page.

Required Student Forms (in alphabetical order)

- Appointment of Advisory Committee (GAC)
 - Not all graduate students require a GAC, but many do (see Graduate Student Advisory Committees). All students in master's thesis tracks or doctoral degree-seeking students require a GAC. To determine whether you need a GAC, review your program requirements in the Graduate Catalog and procedures in your program handbook. If an Appointment of Advisory Committee Form is required of the student, this form will appear under Required Student Forms in their Grad Rebel Gateway Account.
 - Refer to the GAC section for committee composition, requirements, roles and responsibilities.
 - To change the membership of the GAC, students must submit a Change of Advisory Committee Form.
- Appointment of Faculty Advisor
 - Instead of a full GAC, some certificate, non-thesis master's programs, and specialist programs require students to appoint a faculty advisor. If an Appointment of Faculty Advisor Form is required of the student, this form will appear under Required Student Forms in their Grad Rebel Gateway Account. Faculty advisors must have graduate faculty status in the student's academic department.
 - To change a faculty advisor, students submit a new Appointment of Faculty Advisor Form.
- Plan of Study Parts I and II
- The Plan of Study Form lists all courses the student has and will complete for the degree or certificate program. The courses listed must fulfill all degree or certificate requirements specified in the Graduate Catalog according to the student's requirement term.
- The Plan of Study Form has two parts: Part I is an electronic signature page available in the student's Grad Rebel Gateway portal, and Part II is available in the Degrees Directory for

the student's graduate degree or certificate program under the Program Information section. Part II of the form is where the student will list all of the courses they have and will be completing to satisfy the requirements of the program.

- On departmental approval, the Graduate College will accept up to two course substitutions listed on Part II. More than two substitutions will require an approved appeal before the Plan of Study Parts I and II may be approved. If the student completed courses required for the current degree or certificate as part of a previously earned degree, and are therefore required to replace those credits, those replacements will not count toward the maximum allowable two substitutions and should be noted by the student's advisor or graduate coordinator when they approve the form.
- Students will also need to submit a Time Limit Extension form for approval to use courses they successfully completed more than 10 years ago per the Course Credit Expiration policy (see Registration, Enrollment and Curricular Policies).
- Prospectus Approval
 - Students must submit the Prospectus Approval Form (for master's and specialist students) to indicate that the prospectus has been defended and approved by the GAC. Only after approval of this form may students proceed to work on their final document.
 - Refer to the section on Milestone Examinations & Culminating Experience Requirements for prospectus requirements, policies, and procedures.
 - Registering for thesis credits before approval of this form is prohibited.
- Advancement to Doctoral Candidacy
 - Doctoral students must submit the Advancement to Doctoral Candidacy Form to indicate that the dissertation or doctoral project prospectus has been defended and approved by the GAC; all coursework required for the program has been completed; all prior required forms have been approved; and any/all qualifying, preliminary, and/or comprehensive exams have been passed. Only after approval of this form may students proceed to work on their final document.
 - Refer to the section on Milestone Examinations & Culminating Experience Requirements for Advancement to Doctoral Candidacy requirements, policies, and procedures.
 - Registering for dissertation credits before approval of this form is prohibited.
- Culminating Experience Results
 - Students completing a thesis, taking final exams, completing professional papers, or doing other approved culminating experiences must submit the results of their oral defense, final exam, or project defense immediately after completion and by the deadline posted on the Graduation Deadlines webpage for the student's respective graduation term.
 - For students completing a thesis, dissertation, or doctoral project, the first page of the iThenticate text only summary report must be uploaded into the Culminating Experience Results Form in the Grad Rebel Gateway before submission to the Graduate College.

Additional Student Forms (in alphabetical order)

- Appeal
 - Used by students to request reconsideration or a remedy from alleged unfair or inappropriate academic practice, or relief or waiver from a UNLV and/or Graduate College policy or requirement per the Progression and Completion Policies
- Authorization for Overload
 - Used by students requesting an exception to the Credit Load Limitations Policy (see Registration, Enrollment and Curricular Policies).
- Change of Advisory Committee
 - Students who have an approved Appointment of Advisory Committee Form on file with a need to change the composition of the committee must complete and submit the Change of Advisory Committee Form. Change requests must still adhere to all Graduate Advisory Committee requirements (see Graduate Student Advisory Committees).
- GA Request for Additional Employment
 - Used by GAs to request approval to be employed for up to 10 additional hours outside of their GAship.
- GA Termination Appeal
 - Used by students to appeal the termination of their GAship.
- Graduate Access Emergency Retention Grant Application
 - Used by students to apply for an emergency retention grant.
- Leave of Absence
 - Used by students to apply for a LOA. See the Leave of Absence Policy for more information in Progression and Completion Policies.
- Thesis and Dissertation Embargo Request
 - Used by students who wish to request an embargo of their final document from ProQuest and or the UNLV digital repository. Form cannot be submitted until Appointment of Advisory Committee Form is approved.
- Time Limit Extension Request
 - Used by students to request use of courses outside the Course Credit Expiration policy (see Registration, Enrollment and Curricular Policies).
- Transfer Credit Request
 - Used by students to request transfer of credits from another institution per the Transfer Credit Policy (see Admissions Policies).

Departmental Forms

- Departmental Milestone Results Tracking
 - If required by an academic unit, this form is used to track student milestone completion. Students must check with their graduate coordinators to determine if this form is required. The Graduate College does not require or use this form.

Forms Located Outside of the Grad Rebel Gateway

While the majority of Graduate College forms are located in the Grad Rebel Gateway portal, the following forms are located elsewhere either because they are not processed by the Graduate College or because they are used by individuals who may not have Grad Rebel Gateway access.

- Concurrent Degree Enrollment Approval Form
 - This form is required for students to enroll in concurrent degree programs (see Information about the Graduate Curriculum); approval must be granted from the academic departments and the Graduate College. Here, concurrent degree enrollment refers to a scenario in which a student enrolls in two or more distinct graduate programs simultaneously. Students who are concurrently enrolled in more than one graduate degree must complete all of the requirements for each degree independently without sharing or double counting any credits. Graduate students must complete the full application and admissions process for each degree. This form is not necessary for students enrolled in approved Dual Degree programs that are listed in the UNLV Graduate Catalog.
- Personal Identification Change Form
 - Updates to name, SSN, DOB, or gender may be submitted via this form with appropriate documentation. Please follow the instructions on the Change of Personal Identification Data Form. The form must be submitted to the Office of the Registrar.
- Residency Application
 - Students who have been classified as a nonresident for tuition purposes but have taken the proper steps to give up previous domicile and gain Nevada residency may apply for reclassification. The residency page contains further information as well as a link to the application.
- Undergraduate Approval to take a Graduate Level Course
 - UNLV undergraduate students wanting to take graduate-level courses must complete this form. See the Undergraduates Taking Graduate-Level Courses policy in Registration, Enrollment and Curricular Policies for more information.

Maintaining Good Academic Standing

Definition of Good Academic Standing

To be in good academic standing, graduate students must have a 3.0 or higher graduate program GPA in their current certificate/program(s), have met any provisional and conditional admissions requirements, comply with the continuous enrollment policy, not be on academic probation, and not be involved in any type of active conduct investigation on campus. Please note that students return to good academic standing once they successfully remedy the issue that impacted their standing.

Academic Integrity

The university and the Graduate College expect scholarly integrity and academic honesty on the part of students, faculty, staff, and administrators. All academic work must be done in an ethical manner. The UNLV faculty and administration regard any attempt by a student to present as their own work that which they did not solely produce as a very serious offense. Students are considered to have cheated, for example, if they copy the work of another; use unauthorized notes or other aids during an examination; turn in a paper or an assignment written, in whole or in part, by someone else as their own. Students are guilty of plagiarism, intentional or not, if they copy material from books, magazines, or other sources without identifying and acknowledging the sources, or if they paraphrase ideas from such sources without acknowledging them—even if doing so was unintentional. Students guilty of, or assisting others in, either cheating or plagiarism on an assignment, quiz, examination, or other scholarly endeavor may receive a grade of 'F' for the course involved and may be suspended or separated from the program.

Additionally, UNLV has established policies regarding research misconduct among students, faculty, and staff. Research misconduct pertains to the commission of any of the following acts: falsification of data, improper assignment of authorship, claiming another person's work as one's own, unprofessional manipulation of experiments or of research procedures, or misappropriation of research funds. Likewise, most academic disciplines have codes of conduct that faculty and students must abide by specific to your field of study.

Nonacademic Advising

The Graduate College Assistant Dean of Student Services team is available to help provide guidance and nonacademic advisement to students who have questions or concerns about policies, processes, or student due process rights. This office collaborates with all campus partners, faculty, staff, and administration to stay up-to-date on resources that best serve the graduate population. Questions and advice regarding nonacademic advising issues, graduate level academic appeals, course overloads, LOAs, thesis and dissertation formatting, undergrads seeking to take graduate level courses, as well as information about professional development and

career readiness and other administrative matters are addressed by this team. Graduate students must consult with their faculty advisor, GAC, graduate coordinator, department chair, and/or college for academic advising.

Student Issues and Appeals

All conduct code violations are handled by the Office of Student Conduct; academic appeals and requests for waivers of Graduate College policies are handled through the Graduate College. All graduate students have a due process right to appeal an academic policy, procedure, or issue and to request specific relief or remedy.

With respect to academic appeals, graduate students are expected to comport themselves professionally and conform to the ethics, guidelines, policies, and standards of their discipline. It is the responsibility of students to know and observe all regulations and procedures related to their graduate program, the Graduate College, NSHE, and UNLV. Questions regarding graduate-level study, graduate student policies, rights, responsibilities, and/or regulations and their interpretation should be addressed with the assistant dean for Student Services in the Graduate College. While the Graduate College will assist with nonacademic advising, graduate students should first seek input and guidance from their faculty advisor, GAC, graduate coordinator, department chair, and/or college dean as many issues can be resolved at these levels without need for input from the Graduate College for academic advising.

To submit an academic appeal, graduate students initiate an appeal form in their Grad Rebel Gateway. The form must be filled out completely and supporting documents should be attached, if available. The appeal will route through the student's department, academic dean, and then to the assistant dean for Student Services and the Graduate College dean. The appeal will be reviewed and recommendations logged at each level. The Graduate College dean's decision on academic appeals is final. In particularly complex or difficult cases, the Graduate College dean may request that the assistant dean of Student Services hold an appeal meeting with the GALIC and invite the student to present their case, as well as faculty or administrators in the student's department, school, and/or college to do the same. The committee serves in an advisory capacity and the dean will carefully consider their recommendation and the facts of the case before rendering the final university decision on the matter.

Conduct complaints and appeals are handled by the Office of Student Conduct. If a faculty member suspects that a graduate student may have committed academic dishonesty, or that the student is otherwise in violation of the UNLV Student Conduct Code, the faculty member or administrator must contact the Office of Student Conduct to discuss the possibility of disciplinary review under procedures described in the NSHE document Rules and Disciplinary Procedures for Members of the University Community.

Academic penalties for academic dishonesty include, but are not limited to: assigning the graduate student a failing grade for the corresponding segment of the course or for the entire course; requiring the student to rewrite the corresponding sections of a research paper, professional paper, thesis or dissertation, or the document in full; failing the student on the exam in question; or recommending that the student is separated from their graduate program. Further disciplinary sanction options described in the UNLV Student Conduct Code include warning, probation, suspension, and expulsion or revocation of a degree if a degree has been previously awarded.

The Office of Student Conduct's final decision will be relayed to the student, their department, and the Graduate College. Please visit the Progression and Completion Policies section for further information about Graduate College academic appeal guidelines and procedures.

If a graduate student fails to maintain the standards of academic or professional integrity expected as defined in writing by their discipline or program, the student's admission status in their graduate program will be terminated. If any member of the university community is deemed guilty of academic dishonesty, action may be brought under Title 2, Chapter 6 of the Board of Regents Handbook. In addition, students who violate these standards will be subject to conduct sanctions, in accordance with the UNLV Student Conduct Code and Policies, in order to promote their own personal development, to protect the university community, and to maintain order and stability on campus.

Probation and Separation

Academic probation at the graduate level is a non-punitive mechanism used to ensure that graduate students who are not successfully progressing in their graduate programs are provided with clear information and requirements to guide them to appropriate progression and timely program completion. Separation from a program can result from a variety of reasons including failure to meet probation requirements, failure to comply with continuous enrollment requirements, failure to meet admissions conditions or provisions, failure to meet degree program requirements in program handbooks or the Graduate Catalog, student conduct issues (handled through the UNLV Office of Student Conduct), etc. For additional information, please review the Progression and Completion Policies.

Milestone Examinations And Culminating Experience Requirements

Milestone Exams

Many graduate degree programs require students to successfully complete one or more qualifying, preliminary, comprehensive, and/or final examinations. For master's students, the comprehensive or final examination is generally conducted during the last semester or term of enrollment in which a student intends to graduate. For doctoral students, exam requirements are during or immediately after completion of coursework. Doctoral students do not take final exams, as their dissertation or doctoral project and oral defense constitute the culminating experience.

For doctoral students, qualifying exams are sometimes required early in the student's academic career before continuing in the program. The comprehensive, or preliminary, examinations are generally taken after all course work, other than dissertation credits, has been completed and always before defending a prospectus and advancing to candidacy. The examination is intended to test the student's knowledge of one or more areas of specialization and may be written, oral, or both at the discretion of the department, as specified in the program handbook. Qualifying, preliminary, and comprehensive exams are department requirements (as specified in the Graduate Catalog and detailed in the program handbook) and do not require a form to be submitted to the Graduate College, although your department may require submission of a form to document this milestone. Written department guidelines determine who prepares the exam(s), who reviews and scores the exam(s), the timetable on which the exams are given, and the consequences for failing to pass one or more qualifying exams.

The Graduate College recommends that: 1) the student is assigned a faculty mentor or committee at least one semester in advance of testing to provide guidance on preparing for the exam; 2) there are at least three committee members who evaluate the exam, and 3) timely feedback is provided to students who fail the exam regarding what is needed to pass.

In most cases, the advisory committee must unanimously pass the student on required exams, but students should check their program handbook for guidance on this point. If a student fails a required milestone exam, the student, in consultation with their advisor, may request the exam committee to administer a second examination, depending on departmental policies and guidelines. Students should be placed on probation if they do not pass the exam the first time (See Probation and Separation). Depending on department rules in their program handbook which may specify additional details, two failures of required exams leads to separation of the student from the program for failure to make adequate progress toward a degree.

Particularly in traditional, on-campus programs, the Graduate College encourages in-person milestone exam

defenses, when required, with the defending student, committee chair, and other committee members present in-person. This defense format enables discussion of a student's culminating experience and serves as an important landmark in a student's professional development by presenting to a group of scholars and perhaps a wider community. However, advances in digital technology and variation in program delivery (e.g., online programs) warrant flexibility in how in-person vs. remote thesis and dissertation defenses occur. Student defense presentations must be public, although a private defense discussion between the student and committee members must also occur.

Culminating Experience Requirements

The most important component of graduate education is the student's culminating experience. All graduate programs require a culminating experience of some type. This generally takes the form of a master's thesis, a doctoral dissertation, a final scholarly research project, a professional paper, a capstone course, a performance, an exam, and/or an oral defense. The culminating experience demonstrates the student's mastery of their research, scholarship, professional expertise, or creative abilities in their field of study, as well as their written and oral communication skills.

When the culminating experience is a professional paper, thesis, or dissertation (research, professional, or creative) the final document is intended to reflect the student's research, scholarship, or creative activities, contribute in meaningful ways to the ongoing development of the academic discipline or profession they are in and have broader significance or impact. Other forms of culminating experiences generally assess the student's specific knowledge, expertise, and/or professional skills and abilities.

Exams

For master's students required to take final exams, the results should be submitted by completing the Culminating Experience Results Form (see Student Forms)

Professional or Scholarly Papers or Projects

Master's students not pursuing a thesis option may be required to complete a professional/scholarly paper or project as part of the degree program. Students are encouraged to use *The Guide to Preparing and Submitting a Thesis or Dissertation* available on the Graduate College website when preparing a professional paper. Professional/scholarly papers or projects are not, however, reviewed, retained, or approved by the Graduate College. Some graduate programs require students doing a professional paper to have a graduate committee and to defend their work; other departments incorporate final papers into culminating experience/capstone courses or have other requirements. Please check with your department and review the program information and requirements herein for detailed guidelines regarding your own program requirements.

Prospectus Approval and Advancement to Candidacy for Master's Thesis and Doctoral Students

Students required to complete and defend a dissertation or doctoral document must write and successfully defend (in an oral defense setting) a prospectus describing the nature of their proposed research, scholarship, or creative activity, their methods, and other relevant details prescribed by the student's disciplinary practices. Once the prospectus is written, successfully defended, and approved by the student's entire GAC, students must submit the Advancement to Candidacy Form via Grad Rebel Gateway. Students must attach a written statement describing their proposed dissertation topic, methodology, and approach to their form. The successful defense in front of the student's GAC and submission of the Prospectus Approval Form with the proposal attached must be done prior to beginning work on their dissertation (for research doctoral programs) or doctoral project (for professional doctoral programs).

Please note the Graduate College designates the Advancement to Candidacy status to doctoral students, only. Doctoral students are advanced to candidacy upon successful completion of all coursework; passing all required qualifying, preliminary, and/or comprehensive exams; completing and successfully defending the dissertation prospectus; and submitting the Appointment of Advisory Committee, Plan of Study Parts I and II, and the Advancement to Doctoral Candidacy Forms to the Graduate College. Once a doctoral student has advanced to candidacy these students are recognized to be "ABD," or "all but dissertation."

After the prospectus is defended and accepted by the GAC and the student has submitted their Advancement to Candidacy Form (doctoral), students may then proceed to enroll in dissertation credits and work on their final document. If the nature of the research deviates from the written description submitted to the Graduate College, then a new prospectus defense must be held and a new Advancement to Candidacy Form must be submitted along with a brief written statement describing the new research. Students may not enroll in dissertation credits until they have completed all required coursework and exams, and their submitted Advancement to Candidacy Form is approved in Grad Rebel Gateway.

Thesis Guidelines

Research master's students are generally required to complete a master's thesis in which they conduct original research or engage in innovative scholarship. Theses are formal documents that must be professionally present, well-written and edited, and reflect appropriate ethical and academic standards of the discipline.

Prospectus Approval Students required to complete and defend a thesis must write and successfully defend (in an oral defense setting) a prospectus describing the nature of their proposed research, scholarship, or creative activity, their methods, and other relevant details

prescribed by the student's disciplinary practices. Once the prospectus is written, successfully defended, and approved by the student's entire GAC, students must submit the Prospectus Approval Form via Grad Rebel Gateway. Students must attach a written statement describing their proposed thesis topic, methodology, and approach to their form. The successful defense in front of the student's GAC and submission of the Prospectus Approval Form with the proposal attached must be done prior to beginning work on their master's thesis.

After the prospectus is defended and accepted by the GAC and the student has submitted their Prospectus Approval Form, students may then proceed to enroll in thesis credits and work on their final document. If the nature of the research deviates from the written description submitted to the Graduate College, then a new prospectus defense must be held and a new Prospectus Approval Form must be submitted along with a brief written statement describing the new research. Students may not enroll in thesis credits until they have completed all required coursework and exams, and their submitted Prospectus Approval Form is approved in Grad Rebel Gateway.

Theses must also meet Graduate College standards according to *The Guide to Preparing and Submitting a Thesis or Dissertation*. The Graduate College and advisory committees expect students to give careful attention to the style and format of the final scholarly or creative documents.

Dissertation Guidelines

Doctoral dissertations and documents reflect the highest level of expertise and scholarship in a field of study. Final doctoral dissertations and documents must be academically rigorous; be original work; reflect the standards, ethics, and best practices of the discipline; and be well written and professionally presented. Students' GACs must unanimously support the rigor and quality of the document and the adequacy of the final defense before they may recommend a student for conferral of the doctoral degree.

Traditional vs. Three-Article Dissertation

Traditional dissertations have certain characteristics in common. They have a sole author; consist of a series of sequential chapters, each of which presents the student's literature review, methodology, theoretical framework, research findings, or discussion of the findings, and advances the student's thesis; reflect original ideas and new contributions to the field; and constitute a single, generally linear narrative on the topic at hand. In contrast, the three-article dissertation consists of a minimum of three articles (submitted and under-review, in-press, or published, depending on the field and GAC requirements) on related but not necessarily identical topics, with introductory and concluding chapters to link the papers and contextualize them in the existing literature and discuss the implications of their findings. The latter format must be approved by the department or school offering the degree and by the student's GAC; details follow below.

Minimum Requirements of the Three-Article Publication Status

The three-article dissertation must include a minimum of three under-review, in-press, or published articles reporting on research or scholarship undertaken as a doctoral student at UNLV (prior research, scholarship, creative activity, articles or publications may not be used in a UNLV dissertation). In addition to the articles, this format requires an introductory chapter, a concluding chapter, and bridge sections introducing and linking each of the articles to form a cohesive document.

The three-article dissertation is not an option for all programs. The degree-granting department must indicate in their program handbook whether the three article dissertation format is an approved option for that program of study. Program handbooks are available online through the UNLV Degrees Directory. The department may impose more stringent requirements than those delineated in this document, but additional requirements must be described in the program handbook. If this format is an option provided by the department, the student and their committee may then decide whether or not to use a three-article dissertation format and indicate the intended dissertation type at the time of the dissertation proposal. In this model, an under-review, in-press, or published manuscript serves as a chapter within the larger dissertation. If the committee and department accept this dissertation format, the dissertation must adhere to Graduate College guidelines pertaining to this type of dissertation.

Three-Article Dissertation Sections/Chapters

The three-article dissertation must have a general introductory chapter that provides an introduction to the student's topic and a review of the relevant literature and presentation of research questions. Each article chapter must include a contextual explanation of the significance of the article chapter ahead as a "bridge" at the beginning of the chapter to link it to the broader study of which the chapter is a part. This format must also include a concluding chapter that puts the multiple papers in a broader context and explains their significance to the field, as well as offering suggestions for future research. These introductory and concluding chapters ensure that the multiple papers have a general coherence and constitute a singular whole that is greater than the sum of its parts.

For three-article dissertation chapters that are published or in press, the student must secure the appropriate copyright from the publisher to include the chapter contents in the dissertation. These must be included in an appropriate Appendix per Graduate College formatting guidelines.

All dissertations must adhere to Graduate College formatting and stylistic guidelines (e.g., acceptable font, use of headings, margins, spacing, tables, appendices, page numbers, etc.), regardless of whether they are presented in a traditional format or a multiple (three or more) article format. The three-article dissertation must

have a general abstract; whether abstracts are included for respective chapters are at the discretion of the committee and department. References may be presented at the end of individual chapters or in a single reference section at the end of the dissertation. Acknowledgments should not be given at the end of each chapter, but in one place for the dissertation as a whole; proper placement is outlined in the Graduate College formatting guidelines. Appendices should be given near the end of the entire dissertation, as outlined in the Graduate College formatting guidelines, rather than at the conclusion of individual chapters. Article chapters must be included in the appropriate Graduate College format, consistent with the Introduction and Conclusion chapters. Students may not simply “add-in” a journal article reprint to serve as a dissertation chapter.

Co-Authorship

For co-authored articles or chapters used in three-article dissertations and approved by the GAC for inclusion, the student must obtain written permission from co-authors, including a statement on each author’s roles and contributions. Co-author approvals should be noted in the dissertation, either in the general Introduction or in introductions to respective co-authored chapters, and written permission should be included in a separate Appendix.

For co-authored articles or chapters in three-article dissertations, the student must have made a substantial, original, and documented contribution to all stages of the collaborative work in order to include it in the dissertation. In practice, this should be acknowledged by the student being the lead author on a manuscript. If not the first author on an article, the student should have made substantial contributions to the research design, execution of the study, analyses, and/or write-up and these must be documented, as well as reviewed and approved by the student’s committee. Quantifying the requirements of “substantial” can be challenging, with best practices in leading peer-reviewed journals (such as PLoS ONE, Nature) offering guidelines for determining sufficient contribution for journal publication authorship, and in turn for inclusion in a dissertation. A student’s contribution to co-authored chapters should be noted and clearly explained either in the general Introduction or in introductions to respective co-authored chapters. A three-article dissertation may not include more than one co-authored article/chapter in which the doctoral student is not the first author unless it is included as a fourth or subsequent additional chapter.

Master’s Thesis And Doctoral Dissertation/ Project Oral Defense Requirements

Defense Announcements

Master’s thesis and doctoral defenses are partially public events and must be announced to the campus via the UNLV Master Calendar a minimum of two weeks prior to the scheduled event. To do so, the date, time, and location need to be emailed to GradRebel@unlv.edu. Advertisement of the defense must specify how, when, and where the defense will take place so that members of the public may attend/participate, whether the defense is face-to-face (must be on campus), a hybrid format (an on-campus location plus a digital/online component for remote participation), or an entirely online/digital meeting space. Also, students are generally required to publicize their defense in their department and encouraged to do so in other relevant campus and community groups.

Please note that the first part of the defense is open and public; after the student’s presentation and questions (conducted in a manner that is typical and appropriate to the program/discipline), everyone other than the student and their GAC should be asked to leave. At that point, the private part of the defense with the student and their GAC may commence (see also: Graduate Student Advisory Committees).

Final Oral Defense Guidelines for Master’s and Doctoral Programs

Graduate students completing a thesis, dissertation, or doctoral project are required to demonstrate their ability to select a specific problem or topic, master the literature on it, gather/create and analyze/present relevant data/scholarship/creative products, engage in original research, scholarship, or creative activity, and prepare a well-written final document that is successfully defended publicly and to their entire GAC. Best practices indicate that no later than eight weeks prior to the last day of instruction in the term the student will graduate, a draft of the work should be submitted to the advisory committee. At the very least, students should submit their draft of the thesis or dissertation that is to be defended at least 10 working days to their committee for review before their scheduled defense date. The oral defense must be held at least three weeks before the last day of instruction in the term in which the student plans to complete the degree requirements. Students must be enrolled in three graduate credits during the term the oral defense is conducted and the student intends to graduate.

Thesis and Dissertation Defense Format

Particularly in traditional, on-campus programs, the Graduate College encourages in-person milestone exams, thesis, and dissertation defenses with the defending student, committee chair, and other committee members present in-person. This defense format enables discussion of a student’s culminating experience and serves as an important landmark in a student’s professional

development by presenting to a group of scholars and perhaps a wider community. However, advances in digital technology and variation in program delivery (e.g., online programs) warrant flexibility in how in-person vs. remote thesis and dissertation defenses occur. Student defense presentations must be public, although a private defense discussion between the student and committee members must also occur.

Advertisement of the defense must specify how, when, and where the defense will take place so that members of the public may attend/participate, whether the defense is face-to-face (must be on campus), a hybrid format (an on-campus location plus a digital/online component for remote participation), or an entirely online/digital meeting space. For hybrid defenses, the location must have the necessary technical capacity to allow for reliable remote participation with audio and visual capacity for the student and committee members. Students must inform the Graduate College of their defense date, time, place, format, and complete login information (if hybrid or online) to facilitate public attendance at least two weeks in advance of the defense so that it may be advertised on the website.

Regardless of defense mode, the entire GAC, including the GRC, must be in attendance and participate in the entire defense. The GRC must be able to participate and observe all interactions that occur during the defense. If technical or other problems arise and interfere with the ability to successfully conduct the presentation and discussion, the defense meeting must be rescheduled.

Satisfactory performance on a final defense will consist of a presentation and public defense of the student's original thesis or dissertation research. At a minimum, the defense consists of an oral presentation open to university graduate faculty, staff, students, and the community, followed immediately by a closed deliberation and vote by the advisory committee. More specifically, the oral presentation will be open to UNLV graduate faculty, graduate students, relevant administrators, and invited guests.

The oral presentation may be followed by general questions of clarification from attendees (other than the advisory committee members). The advisory committee and chair may choose to include a session of more in-depth questioning open only to the advisory committee and the UNLV graduate faculty. An additional phase of questioning with only the advisory committee and candidate may also be included. The final phase of closed deliberation, and the vote to pass or fail the student, will only be open to the student's appointed advisory committee, after which the student will be immediately informed of the committee's decision.

During the oral defense, the student must be able to demonstrate a comprehensive understanding of a broad field of study and a detailed understanding of a more limited field. All voting members of the advisory committee must unanimously pass the student. If the

committee votes unanimously to pass or fail the student, that vote is final. Oftentimes, the advisory committee unanimously votes to provisionally pass the student for the oral defense component of the program but requires revisions to the thesis/dissertation before the document may be submitted to the Graduate College in its final form. Students must complete the committee's required revisions to their satisfaction/standards of the field before the Culminating Experience Results Form can be submitted to the Graduate College.

If the voting members of the advisory committee are not unanimous on a pass or fail, the student, in consultation with their advisor, may request the committee to administer a second examination. Students should be placed on probation if they do not pass the exam the first time (See Probation and Separation in Progression and Completion Policies). The student must wait at least three months before taking the second examination, during which time the department may require additional coursework; substantial reworking of the thesis, dissertation, or professional/scholarly paper or project; or whatever is believed necessary to prepare the student for a successful second examination. The Graduate College will not approve third examination requests.

Students must submit the results of their oral defense to the Graduate College immediately after they receive them or it is recommended no more than two weeks prior to the last day of instruction.

Enrollment Requirements during Thesis/Dissertation Progress

Students must maintain continuous enrollment (a minimum of six graduate-level credits in the current and prior two consecutive semesters, including summer) while working on their degree and final document. Master's and doctoral candidates must be enrolled in enough Thesis/Doctoral credits to maintain continuous enrollment unless they are on an approved LOA (see LOA in Progression and Completion Policies). Since we cannot graduate and confer a degree upon a student who is not active and enrolled, students must be enrolled in a minimum of three graduate-level credits in the semester in which they graduate, even if they have already completed all the required degree credits. Please note that students must be enrolled in a minimum of one graduate credit in any semester when they are proposing, defending, or testing (preliminary, qualifying, comprehensive, prospectus, or final exams/activity).

Master's Thesis, Doctoral Dissertation, and Doctoral Projects

Some master's programs require a thesis, or offer the option of a thesis, for the master's degree. All research doctoral programs (Ph.D.s) require a dissertation. Professional doctoral programs require a dissertation or doctoral project, depending on the field of study. The thesis, dissertation, or doctoral project should demonstrate the student's ability to select a specific problem or topic,

assemble pertinent and necessary data, conduct original research, organize ideas and data in a compelling manner, and prepare a clear, well-written document detailing their work.

The minimum number of thesis credits required for a master's degree program is six. For the doctoral degree program, the minimum number of dissertation credits required is 12. A grade is not reported for thesis or dissertation credits. Semesters in which the document is still in progress and neither completed nor defended, X grade is issued. When the final copy of the thesis/dissertation is submitted electronically to the Graduate College and approved by the Graduate College dean, the title of the thesis/dissertation is posted on the student's transcript with the number of credits earned. See Progression and Completion Policies about Enrollment Requirements during Thesis/Dissertation Progress.

Best practices indicate that no later than eight weeks prior to the last day of instruction in the term the student will graduate, a draft of the work should be submitted to the advisory committee. The committee will review the thesis or dissertation for any corrections and changes, which must be incorporated before the final examination (oral defense) and submission of the final document to the Graduate College. The completed work must be resubmitted to the committee at least two weeks before the final scheduled examination/defense date.

At the defense, the advisory committee may require appropriate additions, retractions, changes, edits, or other modifications to the document before signing the final paperwork to indicate a successful defense and a passing final thesis or dissertation. The final document (incorporating all changes and formatted appropriately) must be submitted to the Graduate College. The GAC determines the appropriate style guide and must sign-off to indicate that the document conforms to all stylistic requirements, is well-edited, and clearly written. There are also some basic formatting requirements required by the Graduate College. Instructions on how to submit your document for a format check to confirm that it complies to UNLV requirements (not to approve compliance with the style guide used in the student's discipline; that is managed by the GAC) can be found on the Graduate College's Guide to Preparing and Submitting a Thesis or Dissertation page.

Formatting and Style

Matters of format and style with respect to capitalization, abbreviation, quotations, footnotes, citations, bibliography, etc., should conform to the discipline's standard publishing format (APA, ASA, MLA, Chicago style, etc.). Departments will advise the student on which style manual is appropriate, and members of the GAC are responsible for ensuring full compliance with the chosen style guidelines in all final documents. Beyond, and in addition to, the style guidelines used in the student's field, final documents must conform to UNLV formatting and style requirements. The Guide to Preparing and

Submitting a Thesis or Dissertation is available on the Graduate College website and these resources, along with workshops provided by the Graduate College each semester, should make it easy for students to conform to UNLV guidelines. These mandatory formatting requirements to the final document must be met before final submission and before a student's degree can be conferred. Students with questions about their thesis or dissertation can take advantage of the Graduate College's thesis and dissertation office hours every Tuesday and Thursday from 12-2 p.m. Email grad.td@unlv.edu at least 48 hours in advance to schedule a virtual appointment (via Google Meets or Skype).

iThenticate Requirements

Students are required to run their final thesis or dissertation through the online iThenticate similarity check software prior to their final defense. All doctoral students and all master's students with 15 credits toward their degree have free access to this software through the Graduate College for any professional use, including the final thesis or dissertation check. Students that do not have access should contact the Graduate College to create an account (See iThenticate information)

Graduate advisory committee members should be sent a PDF of the iThenticate similarity report via email a minimum of seven days before the scheduled defense. At the time of the defense, the student's committee will attest that they have received copies of the report and approve the percentage as acceptable for the student's discipline on the student's Culminating Experience Form. The first page of the student's iThenticate similarity report that lists the overall similarity percentage for the final document should be attached to the approved Culminating Experience Results Form before it is turned into the Graduate College via Grad Rebel Gateway.

ProQuest, Digital Scholarship, and Embargo Requirements

As part of the requirements for completion for all theses, dissertations, and doctoral projects, once final documents are accepted by the Graduate College as complete, approved, and properly formatted, students must then submit their final approved document electronically to ProQuest and Digital Scholarship@UNLV by the posted date each semester. Failure to do so will result in a delay of your degree conferral. Please note that documents posted in ProQuest and Digital Scholarship@UNLV will be available online for viewing and download.

Students who have a documented rationale for needing to delay the release of their document to ProQuest and Digital Scholarship@UNLV are invited to submit an Embargo Form to the Graduate College. Embargos may be approved for periods of one, three, five, or seven years and under special circumstances may be renewed with a new, approved Embargo application. Even with the implementation of an embargo, students still must upload their final document to ProQuest to graduate. Please

note that students graduating from the Department of English should contact the Graduate College about the submission of the document to ProQuest and Digital Scholarship@UNLV.

Policies

Student Policies

All graduate students at UNLV must adhere to the rules and regulations set forth by the NSHE Board of Regents Handbook, UNLV Student Conduct Code, UNLV Graduate Catalog, and program handbook. Students found in violation of any of the rules and regulations discussed above as well as the laws governing the State of Nevada and the United States of America are subject to disciplinary action.

Please visit and review UNLV Statements and Compliance policies outlined here.

UNLV Student Conduct Code

The Office of Student Conduct assists students, faculty, and staff with the conduct code and policy enforcement; serves as a resource to the campus community surrounding student conflict resolution; and also provides an extensive outreach program that includes presentations such as academic integrity and preventing academic misconduct, conflict resolution, and managing disruptive behavior. Our goal is to foster an environment where students have an opportunity to be accountable for their behavior and continue their education in a supportive atmosphere.

Student Conduct Policy and Processes

- The UNLV Student Conduct Code (“Code”): It is designed to promote a safe environment and sets forth standards of conduct expected of students/student organizations who choose to join the university community. When students choose to accept admission to the university, they accept the rights and responsibilities of membership in the university’s academic and social community. Students/student organizations that are found to violate these standards will be subject to conduct sanctions in order to promote their own personal development, to protect the university community, and to maintain order and stability on campus. To view the student code of conduct standards, [click here](#). The Student Conduct FlowChart is the logic sequence used when dealing with a code of conduct incident.
- Student Academic Misconduct Policy: Integrity is a concern for every member of the campus community; all share in upholding the fundamental values of honesty, trust, respect, fairness, responsibility, and professionalism. By choosing to join the UNLV community, students accept the Student Academic Misconduct Policy and are expected to always engage in ethical decision-making. Students enrolling in UNLV assume the obligation to conduct themselves in a manner compatible with UNLV’s function as an educational institution. The Student Academic Misconduct Flowchart displays the logic sequence when dealing with academic conduct incidents.
- Alcohol Response Policy: UNLV has a commitment to its students, the campus community, as well as the local

community to be proactive in its educational responsibilities which include responsible standards of behavior relative to alcoholic beverages. As part of this commitment, UNLV includes educating the campus community regarding the responsible consumption and/or distribution of alcoholic beverages, as well as responses for misuse and/or abuse, as one of its responsibilities.

- Controlled Substance Response Policy: The Controlled Substance Response Policy & Guidelines (CSRP & G) have been developed to provide guidance for UNLV’s students, staff, and faculty regarding possible outcomes/sanctions that may be used relative to students’ consumption, distribution, possession, and/or sale of controlled substances. It is noted that this policy is a companion to the UNLV Alcohol Response Policy, and is designed to address all controlled substance incidents not involving alcohol.
- Sexual Assault Response Protocol: If a student reports an assault to a staff member, said staff member will instruct students to complete specific actions per direction of the Office of Student Conduct.

Student Conduct Forms

- Advisor Authorization Form: The UNLV Student Conduct Code affords all students/student organizations involved in the university disciplinary process—complainant or charged—the right to an advisor of his/her/their/its choice. The term advisor means any individual selected by the student to assist with the university disciplinary process. All UNLV students/student organizations are expected to speak for themselves during any and all student conduct meetings or hearings.
- Records Release Form: This release represents your written consent to disclose educational records maintained by the Office of Student Conduct.
- Office of Student Conduct (OSC) Formal Hearing Appeal Form: To initiate an appeal, you should meet with a member of the Office of Student Conduct to discuss the appeals process.
- Community Restitution Service Log: It is the assigned student’s responsibility to have their restitution site approved (if not on the OSC approved site list) and their hours logged and returned to the Office of Student Conduct in CDC 1 118. For a copy of this log, [click here](#).
- Community Restitution Service Sites: If you were given the option to choose where you complete your service hours, you may choose an agency not listed at the below link. Any program not listed must be approved by the Office of Student Conduct before completing your service hours. For a list of these locations, [click here](#).

Student Conduct Hearing Board

- The UNLV Student Conduct Code is designed to promote this environment and sets forth standards of conduct expected of students who choose to join the university community. Students who violate these standards will be subject to conduct sanctions in order to promote their own personal development, to protect the university community, and to maintain order and stability on campus. If you are interested in serving on this board, visit the Office of Student Conduct: Involvement Opportunities website.

Policy Against Discrimination and Sexual Harassment and Complaint Procedures:

This policy is divided into three parts. Section A states the NSHE policy against discrimination. Section B states the NSHE policy against sexual harassment. Section C contains the complaint and investigation procedure for discrimination and sexual harassment complaints. These procedures are in addition to disciplinary complaints brought against professional employees or students under Title 2, Chapter 6 of the NSHE Code (or if applicable, institution student codes of conduct), or against classified employees under the Nevada Administrative Code. However, information gathered as part of the complaint process under this section may be used in connection with disciplinary proceedings. For full policy and complaint procedure information visit unlv.edu/hr/policies/harassment.

Office of Compliance and Title IX

The Patsy T. Mink Equal Opportunity in Education Act, generally known as Title IX of the Education Amendments of 1972, is an all-encompassing federal mandate prohibiting discrimination based on the gender of students and employees of educational institutions receiving federal financial assistance. Sex discrimination includes sexual harassment and sexual violence. Educational institutions that receive federal financial assistance are covered by Title IX. If only one of the institution's programs or activities receives federal funding, all of the programs within the institution must comply with Title IX regulations. In compliance with Title IX, UNLV prohibits discrimination in employment as well as in all programs and activities on the basis of sex.

When sexual harassment exists on the university campus, both the integrity and the learning environment are threatened. Students, community members, and employees should feel safe and comfortable here. The university environment is a place for learning and growing—sexual harassment interferes with that process.

UNLV strives to create and maintain a safe environment where everyone can enjoy freedom from sexual harassment and intimidation.

As a matter of course, the Board of Regents of NSHE and UNLV have established policies regarding sexual harassment/discrimination and consensual relations within the NSHE Sexual Harassment Policy and Complaint procedure. It is available on the Human Resources web page.

The consensual relations policy and other valuable information about the federal laws and policies governing sexual harassment are available on the web page for the Office of the Vice President for Diversity and Inclusion at diversity.unlv.edu.

UNLV's Office of Compliance and Title IX has a plethora of resources:

- Title IX Compliance at UNLV

- UNLV Athletics Gender Equity Plan
- Myths About Title IX
- Complaint and Investigation Procedures
- Title IX Complaint Form
- Policies and Official Statements
- Title IX Resources
- EEO/AA

Title IX Statement

UNLV does not discriminate in its employment practices or in its educational programs or activities, including admissions, on the basis of sex/gender pursuant to Title IX, or on the basis of any other legally protected category as is set forth in NSHE Handbook Title 4, Chapter 8, Section 13. Reports of discriminatory misconduct, questions regarding Title IX, and/or concerns about noncompliance with Title IX or any other anti-discrimination laws or policies should be directed to UNLV's Title IX Coordinator Michelle Sposito. The Title IX Coordinator can be reached through the online reporting form, by email at titleixcoordinator@unlv.edu, by phone at 702-895-4055, by mail at 4505 S. Maryland Parkway, Box 451062, Las Vegas, NV, 89154-1062, or in person at Frank and Estella Beam Hall (BEH), Room 555.

UNLV Student Computer Use Policy

The Office of Information and Technology (OIT) maintains 50 computer labs with some 1,500 computers available for academic use. The labs provide access to technology required by faculty and students in pursuit of teaching, learning, and research.

Open computer laboratories and WiFi internet access are provided as a service to students. Use is a privilege, not a right. Users should be good citizens; they must refrain from doing anything that annoys others or disrupts the educational experiences of their peers. Failure to comply with the regulations below may result in suspension under the NSHE Code, or civil or criminal action under the Nevada Revised Statutes, or federal law. It is a violation of UNLV policy to:

- Copy any copyrighted software provided by UNLV. It is a criminal offense to copy any software protected by copyright, and UNLV will treat it as such.
- Use licensed software in a manner inconsistent with the licensing arrangement. Information on licenses is available at the tutor stations or through NSHE Computing Services.
- Copy, rename, alter, examine, or delete the files or programs of another person or UNLV without permission.
- Use a computer to annoy others, including, but not limited to, sending offensive messages or knowingly causing a system to malfunction.
- Create, disseminate or run a self-replicating program ("virus"), whether destructive in nature or not.
- Use a computer for non-university work, such as for a private business or non-UNLV sanctioned club.

- Tamper with switch settings or do anything that could damage terminals, computers, printers, or other equipment.
- Collect, read, or destroy output other than your own work without the permission of the owner.
- Use the computer account of another with or without permission unless it is designated group work.
- Access or attempt to access a host computer, either at UNLV or through a network, without the owner's permission, and/or through use of log-in information belonging to another person.

Computing Policies: For a full list of IT policies and procedures, click [here](#).

Dangerous Weapons Policy

It is the policy of UNLV that dangerous weapons will not be permitted on campus without the express written approval of the president of UNLV or their designee. Currently, the director of Police Services serves as the president's designee. This policy shall apply to all persons on the campus of the UNLV except law-enforcement officers in the performance of their duties.

Dangerous weapons include, but are not limited to, all weapons named in Nevada Revised Statutes (NRS) 202.265. For purposes of this policy, facsimile weapons are also banned.

Any person found carrying such weapons upon their person may be prosecuted for carrying concealed weapons. If the weapons are found on the campus, they shall be seized by the University Police. If the weapon, by its nature, is not illegal, it shall be returned to its owner when the owner has made arrangements for its removal from campus.

Animal Policy

The Nevada Revised Statutes empower the university to establish regulations for the health, safety, and welfare of all. In this interest, the university will restrict the presence of animals on campus by enforcing the following two guidelines:

Any animal permitted on campus must be controlled by the owner or responsible person on a walking leash at all times except for service animals.

If the animal creates solid waste, it is the responsibility of the owner or person responsible to gather and properly dispose of it. Failure to comply with these guidelines subjects the responsible party to a fine, or to the university withdrawing permission for access through the campus.

*Exception: Animals used for scientific purposes, in designated museums, service animals, or animals indigenous to an arboretum.

Alcoholic Beverages

Neither the storage, possession, nor use of alcoholic beverages is allowed on the university campus or other university property unless prior approval has been

obtained in writing from the university president. The only exception is in the case of a student over the age of 21 in his or her own residence hall room. Student-sponsored events at which alcoholic beverages will be served may be held in the Student Union, on the Student Union courtyard, or on the north field by those recognized student organizations that accept the responsibilities outlined in the UNLV Alcohol Events Policy. Copies of the UNLV Alcohol Use Policy may be obtained from the Office of the Vice President for Student Affairs, FDH-516.

Controlled Substance Response Policy

The Controlled Substance Response Policy and Guidelines have been developed to provide guidance for UNLV students, staff, and faculty regarding possible outcomes/sanctions that may be used relative to students' consumption, distribution, possession, and/or sale of controlled substances. For more information visit [here](#).

Use of Automobiles and Parking

University parking and traffic regulations, administered by university parking enforcement and by a student-faculty committee, govern all vehicles operated on the campus, and violators are subject to a fine. The regulations, adopted by the Board of Regents and filed with the secretary of state under the provisions of Nevada Revised Statute 396.435, are enforceable in the civil courts as well as through the internal processes of the university. Each student must complete an automobile registration card and obtain a parking permit during registration. Students should obtain a copy of the regulations booklet at that time. Stickers and information also can be obtained from the Department of Parking Enforcement office at times other than the registration period.

Use of University Facilities

University facilities, including campus grounds, are provided primarily for the support of the regular educational functions of the university and the activities necessary for the support of these functions. The university's functions take precedence over any other activities in the use of university facilities.

Scheduling University and Facilities and Related Policy Forums and Free Expression

The purpose of these policies and regulations is to ensure the effective use and enjoyment of the facilities of the UNLV campus, hereinafter referred to as the university, as an educational institution. In line with this policy, the university and its facilities are deemed to be a "non-public forum," unless otherwise expressly stated herein, for purposes of expressive conduct under the First Amendment to the United States Constitution. Policies are applicable to all users and potential users of university facilities. For a list of guidelines or scheduling university facilities: unlv.edu/campuslife/scheduling-guidelines.

Freedom to speak and to hear will be maintained for students, faculty, and staff, and university policies

and procedures will be used to provide a full and frank exchange of ideas. An effort will be made to allow a balanced program of speakers and ideas. An invitation to speak at the university does not imply that the university endorses the philosophy or ideas presented by the speaker.

Fundraising

No individual or organization may sell, solicit, or peddle on university property without permission nor may funds be solicited from alumni of the university without initial permission of the vice president for University and Community Relations and final approval of the president.

Any fundraising efforts by student organizations off campus must be approved by the vice president for Student Life.

University facilities may not be used for the purpose of raising monies to aid projects not related to some authorized activity of the university or of university groups, and no efforts at conversion and solicitation by uninvited non-campus groups or individuals will be permitted on campus.

Handbills and Posters

The university campus is maintained for the orderly operation of the school. Other uses are permitted only when they will not interfere with the normal functions of the university. The campus is governed by a university sign policy regarding distribution and posting of handbills and other printed materials. The Student Union has separate signage policies involving its spaces and functions.

Smoking Policy

The Nevada Revised Statutes place certain restrictions on the smoking of tobacco in state and public buildings. In the interest of human health and safety, the university prohibits the smoking of tobacco in university buildings. Smoking may be permitted only when so designated in areas identified by the facilities management department. Failure to comply with these guidelines subjects the responsible party to administrative action.

Housing and Residential Life

The Office of Housing and Residential Life, in collaboration with the students living in the residence halls, is responsible for the development of a comprehensive housing and food service program. The residence halls are staffed by full-time professionals trained in counseling and college student development and by student peer advisors who undergo extensive training. Residence hall staff and students work together to create an environment that supports student academic achievement, healthy lifestyle choices, responsible behavior, and personal development.

The Office of Housing and Residential Life is located in Tonopah North. Students wishing to live in the residence halls must request a residence and dining hall contract

directly from this office or can download the contract by accessing the Internet at housing.unlv.edu. Housing is available on a first come first-served basis to any full-time, regularly enrolled student. Freshman students graduating from high schools outside of Clark County, Nevada, are required to live in the on-campus residence halls unless excused by the Housing and Residential Life Office. For specific information on the freshman on-campus housing regulation, contact the Housing and Residential Life Office in Tonopah North or by telephone at 702-895-3489.

Family Educational Rights and Privacy Act of 1974 (FERPA)

UNLV is subject to the Family Educational Rights and Privacy Act of 1974 (FERPA). This federal act affords persons who are currently, or who were formerly, in attendance at the university as registered students a right of access to their "educational records," which contain information directly related to such persons and the right to challenge the accuracy of their records. The act also restricts the persons to whom the university may disclose a student's educational records without the student's written permission. The university's policy is to comply fully with all provisions of the act. Any person who feels the university has failed to comply with FERPA may file a complaint with the Registrar's Office (registrar@unlv.edu) or with the U.S. Department of Education Family Policy Compliance Office via email at:

- FERPA.Complaints@ed.gov or physical mail at 400 Maryland Ave. SW Washington, DC 20202-8520.
 - For more information:
 - studentprivacy.ed.gov
 - unlv.edu/registrar/ferpa
 - Jeanne Clery Disclosure of Campus Security Policy and Crime Statistics Act (CLERY)

The Jeanne Clery Disclosure of Campus Security Policy and Crime Statistics Act (Clery Act) was enacted in the belief that crime awareness can prevent campus victimization. The Clery Act requires colleges and universities receiving federal funding to prepare, publish, and distribute, by October 1 of each year, campus security policies and crime statistics.

All System office staff members are encouraged to contact UNR or UNLV Police Services when they have been the victim of or have witnessed criminal actions. However, under the Clery Act, certain individuals designated as Campus Security Authorities (CSAs) are required to promptly report alleged crimes that occur within the geographic areas for which the campus police are responsible. Pursuant to Title IX of the Education Amendments of 1972 (Title IX), CSAs are also required by federal law to promptly notify the Title IX Coordinator of all reported incidents of sexual misconduct including but not limited to sexual assault, dating violence, domestic violence, and stalking involving members of the NSHE community.

If a student, faculty, or staff member tells a CSA about an alleged criminal incident that has not been reported to the campus police, the CSA is required to report the information under federal law. Both UNR and UNLV Police Departments provide forms for CSAs to complete in order to report alleged crimes. The name of the reporting party, victim, or other individuals should not be included in the report if the person making the report requests confidentiality. However, there are some exceptions where disclosure of names may be required:

- If disclosure is required by law (e.g. abuse or neglect of a minor);
- If there is an imminent threat of harm to persons or property; or
- The CSA is given permission to do so.

CSAs should not investigate the alleged crime or attempt to determine if a crime did occur. Campus police personnel may later contact the reporting CSA or others to gather additional information.

Campus Security Authority Role

While all universities strive to ensure the safety of their communities, the reality is that crime occurs everywhere. Many faculty and staff serve as CSAs — people who can take anonymous crime reports from victims and refer them to a variety of support services available to them.

CSAs are required to take crime reports whenever they believe that a reported crime is not simply rumor or hearsay. The Jeanne Clery Act requires all campuses to then collect such crime reports from CSAs; accurate statistics based in part on such reports must be included in the Annual Security Report and Daily Crime Log in order to maintain compliance.

If you have any questions or concerns regarding CSAs or any Clery-related matters please [click here](#).

Nevada System of Higher Education (NSHE) Code

Nevada System of Higher Education

NSHE, composed of two doctoral-granting universities, a state college, four comprehensive community colleges, and one environmental research institute, serves the educational and job training needs of Nevada.

NSHE provides educational opportunities to more than 107,600 students and is governed by the Nevada Board of Regents.

The Board of Regents' mission includes to: advance student learning to the highest level; foster the expansion of knowledge through teaching and research; encourage community service; and enrich the lives of our students, our communities, our state, and the nation. In fulfillment of this purpose, we hold the following values at the center of our endeavor:

- Integrity
- Excellence

- Accountability
- Inclusiveness
- Creativity
- Innovation

The Board of Regents handbooks, policies, and procedures can be found [here](#).

Safety And Emergency Information

Student Use of Hazardous Materials

Certain courses may require students to work with potentially hazardous materials in the lab, darkroom, or workshop. Instructors will provide instructions regarding the safe handling of all materials. Questions should be directed to the specific academic department or instructor, and all such activities must comply with national, state, local, UNLV, and Office of Risk Management and Safety guidelines and requirements.

Policies and Procedures on the Protection of Research Subjects

Human Subjects: Graduate students conducting research must adhere to UNLV policies and procedures regarding the use of human subjects. All research projects in which human subjects are involved must be reviewed and approved under the authority of the UNLV Institutional Review Board (IRB), which consists of two committees - Biomedical Sciences Committee and Social and Behavioral Sciences Committee. The IRB is responsible for the development and monitoring of university policy and procedures involving the use of human subjects in research.

The provision for the protection of human subjects in research applies to all studies in all locations, whether funded or unfunded, and whether conducted by faculty, students, or staff. It also applies to persons unaffiliated with UNLV, who wish to investigate subjects under the protection of the university. Students should contact the ORI to obtain appropriate forms and further information.

Animal Subjects: It is university policy that: 1) the proper care and management of laboratory animals are essential to the welfare of the animals, to the validity of research data, and the health and safety of those caring for or using animals; and 2) the university will comply with federal and state regulations regarding animal welfare.

All animal protocols involving vertebrate animals (including farm animals and wild animals) conducted at, funded through, or sponsored by UNLV must be submitted for prior Institutional Animal Care and Use Committee (IACUC) review and periodic review after approval per university policies and procedures that are required by federal law.

The provision for the protection of animal subjects in research applies to all studies in all locations, whether funded or unfunded, and whether conducted by faculty, students, or staff. It also applies to persons unaffiliated with

UNLV, who wish to investigate subjects under the protection of the university. Students should contact the ORIt to obtain appropriate forms and further information.

Safety and Emergency on Campus

Like any community, we are not immune to natural and man-made disasters. Faculty, staff, students and families must collaborate to plan and prepare for these types of emergencies. There are 4 steps we can take to #BeRebelSAFE.

Step 1: Be Informed

UNLV has several tools to provide the campus community with important information during an emergency.

- Download the RebelSAFE App from iTunes or the Google Play Store. Keeping you informed via push notifications, the app provides a variety of safety features directly from your smartphone.
- Sign up for RebelSAFE Alerts. Receive emergency alerts by text message or email. The emergency notification system is used for incidents that present an imminent threat to life, health, or safety of campus community members.
- Locate RebelSAFE Emergency Phones. Outdoors throughout campus, phones broadcast emergency messaging and are available to the public to request help.
- Follow on social media. Receive realtime updates on UNLV Police Services' Facebook or Twitter feed.
- Download the Southern Nevada Community Preparedness App. Designed to help the community prepare and respond to emergencies. Available on the App Store or Google Play.
- Stay in touch by watching television and listening to radio broadcasts.

The RebelSAFE App: UNLV's free safety app, available for Apple and Android devices. Among the many features helping keep the campus community safe, users can:

- Call for a late-night security escort.
- Report a tip. This non-emergency feature allows users to submit a crime tip for further review by police investigations.
- Text-chat with dispatch.
- Enable Friend Walk. Users can send their GPS location to a friend through the app and have their movements tracked in real time if they're walking alone.
- Call 9-1-1. Call directly from the app with the push of a button. Connecting in this way can save time in an emergency.
- Submit iService Requests. UNLV campus repair work orders are integrated into the Report A Tip function.

Step 2: Develop an Emergency Plan

Planning in advance and knowing what you will do in different emergencies is key to your safety.

- Develop a communications plan. In the event of an emergency know who to call. Gather emergency phone numbers for local hospitals, family doctors, pharmacies, neighbors, utility companies, poison control centers, etc.
- Compile contact information. Determine the family, relatives,

and friends to call, text, or email in the event of an emergency.

- Establish escape routes. Determine several possible exits from your residence and workplace.
- Designate a safe family meet-up location in the neighborhood, city, and out of state if evacuation is necessary.

Step 3: Build an Emergency Supply Kit

Consider having a kit for your home, car, and/or residence hall, which contains basic survival supplies for the least 72 hour time. Supplies could include:

- Water, one gallon of water per person per day
- Food, a supply of non-perishable items
- Battery-powered cell phone charger
- Battery-powered radio
- Flashlight and extra batteries
- First aid kit
- Medical insurance cards
- Moist towelettes and garbage bags
- Contact card with family member and out-of-state contact phone numbers
- Whistle to signal help
- Local maps
- Games, puzzles, books
- Supplies for your pets or service animal, including vaccination records, extra food and water, leash, collar, pet carrier, photo of your pet, and a list of pet-friendly shelters and/or pet hospitals

Step 4: Get Involved

There are several ways that you can be an emergency response leader on campus and at home in a time of crisis.

CPR/First Aid Training: Obtain training from UNLV Risk Management and Safety.

- Girls on Guard: Take a defense course.
- Safety Training: Be prepared for an incident on campus, learn how to safely respond, and how police are trained to respond. Watch "Surviving An Active Shooter" and review these helpful tips.
- Community Emergency Response Team (CERT): Volunteer for training in disaster preparedness, basic first aid, fire safety, and light search and rescue operations.

Helpful Links

- Emergency Contacts
- Campus Safety Report
- UNLV Support Team
- Police Services
- Crime Prevention Tips
- Risk Management

Graduate Student Resources: Leadership, Professional, And Career Development

Services for Graduate Students

The Graduate College offers services to support graduate students in many different areas. In cooperation with various offices at UNLV, Graduate Student Services seeks to provide information and programs aimed at the unique needs of graduate students.

The Grad Academy: The Grad Academy is designed to help graduate students engage with departments and colleges around campus; provide opportunities for professional development, research engagement, and scholarly activities; help graduate students successfully complete their degrees and move into their desired field of work; and build and maintain a lifelong relationship between graduate students and the Graduate College.

For many programs, the thesis or dissertation represents the culmination of the graduate experience. These students' final theses and dissertations must conform to the formatting guidelines established by the Graduate College, and students must electronically submit a properly formatted PDF copy of the final document before conferral of their graduate degree. The Graduate College provides guidance, oversight and direction to graduate students and faculty concerning the policies and procedures for final submission of the thesis or dissertation. Students with questions about their thesis or dissertation can take advantage of the Graduate College's thesis and dissertation office hours.

Student Nonacademic Advising Services: The Graduate College nonacademic advising services provide informal and student-centered issue-resolution services and general nonacademic advising to graduate students and prospective graduate students. The office offers guidance, information, and assistance when regular channels have failed to provide graduate students with the information that they need to solve problems or make informed decisions.

Workshops: The Graduate College offers over 60 workshops annually. In collaboration with campus partners, alumni, and the community, students hone valuable skills to help them progress through their graduate program and into their career. Workshops cover a wide range of topics including academic, professional, and interpersonal skills that can help graduate and professional students gain valuable skills for success in their graduate studies and future careers. Workshops can be found on the student calendar.

Graduate Career Support: It is never too early to start planning for the future. This website contains information that will help students prepare for life during and after their graduate studies. You can find helpful tips on the website regarding the following topics:

- UNLV Career Resources
- Academic and Nonacademic Job Market

- Application Materials
- Preparing for the Interview
- Search Fellowships, Graduate Assistantships, Jobs, Internships, Summer Programs, and Postdoc Positions

Helpful tips and resources for writing academic papers, professional presentations, and conducting job search may be found here.

The Grad Academy

The Grad Academy is the central hub for evidence-based graduate student leadership, professional, and career development and wellness programming. Beginning in fall 2019, The Grad Academy transitioned from a virtual center to a designated space in the University Gateway Building. Annually, The Grad Academy offers over 60 workshops, 12 signature events, nonacademic advising, and career support each year in addition to offering four professional development certifications and six Grad Rebel Programs. All of these are free opportunities that are available to graduate and professional students.

While all students are able to attend any workshop, the goal is to help students prioritize their experiences and provide resources that will be most useful to them as they need particular skills in the course of their degree program. The Grad Academy accomplishes this by providing an organizing framework that clearly shows students the topics of workshops, programs, and activities, as well as the learning objectives, the mode of delivery, the time commitment required, and at what level the student is poised to most benefit from the experience. To accomplish this, The Grad Academy has broken down professional and career development opportunities so that students may participate across the master's and doctoral student lifecycles.

Pillars of Leadership, Professional, and Career Development

The Grad Academy is built around six Pillars of Personal, Professional & Career Development. They are:

- Research
- Teaching
- Communication
- Leadership
- Career Prep
- Wellness (financial, mental, and physical)

These pillars, informed from literature on key skills graduate students need to be successful in their personal and professional lives, are designed to ensure that all workshops, events, and professional/career development opportunities are user-friendly, relevant, and intentional. Each opportunity falls under at least one of these pillars. Students wanting to refine or brush up on a particular skill set have an easy way to know which opportunities will be most relevant and useful to them. By taking the Professional and Career Skills Assessment (forthcoming),

students will be able to assess their own strengths and weaknesses in each of the pillars and design their own path of engagement to address their weaknesses and enhance their strengths.

Graduate College Co-Curricular Certifications

Graduate and professional students have the opportunity to participate in free, year-long professional development programs in the areas of research, teaching, mentorship, and communication. Each non-credit bearing certification helps students develop and hone skills through a series of workshops, cohort meetings, and the completion of a culminating experience. Students are accepted as a cohort and need to complete a number of certification requirements. The free application cycle for each certification opens at the start of the spring semester for the following academic year. On successful completion of all requirements for the certification, a notation is made on the student transcript to indicate completion. The Graduate College currently offers the following certification programs:

- **Graduate Research Certification:** Provides graduate, professional, and select undergraduate students with skills and knowledge necessary to initiate, conduct, and successfully conclude research projects. The program is designed to foster intellectual discussion of ethical issues in conducting research, as well as, to provide insight and training on best research practices.
- **Graduate Teaching Certification:** Provides students with the skills and knowledge necessary to teach successfully in a post-secondary classroom. The program is designed to foster intellectual discussion of effective teaching strategies, as well as, to provide insight and training on best teaching practices.
- **Graduate Mentorship Certification:** Provides students with the skills and knowledge necessary to effectively be mentored and serve as a mentor in higher education settings. The certification workshops are designed to foster intellectual discussion of ethical issues in mentoring, as well as, to provide insight and training on best mentoring practices.
- **Graduate Communication Certification:** Provides students with the opportunity to build and refine communication skills. Participants will explore several communication platforms, including written, oral, visual, and technology/social media.

Grad Rebel Programs

All of these programs help graduate students build and refine transferable skills that can be used in a variety of career pathways. Students are accepted as a cohort and need to complete a number of program requirements. The free application cycle for each program opens at the start of the spring semester for the following academic year. We currently offer the following programs:

- **Grad Rebel Ambassadors Program:** Ambassadors are among the best and brightest graduate students on campus, and they act as the face of the college at our campus and community events, in meetings with prospective and current donors, and they participate in advocacy work with local, regional, and national engagement. Grad Rebel

Ambassadors are highly visible members of the Graduate College team who help cultivate a strong graduate community and strengthen ties between the Graduate College, alumni, and community members. These students receive scholarships for their participation in this prestigious program as well as training in multiple skills and areas to prepare them for their ambassador roles.

- **Grad Rebel Advantage Program:** Provides cohorts of UNLV undergraduate students with mentorship, workshops, professional development opportunities, and scholarships to help prepare them for graduate studies, whether at UNLV or elsewhere. Graduate students have the opportunity to serve as mentors to a small sub-group of program participants.
- **Rebel Research & Mentorship Program (RAMP):** Pairs undergraduate and graduate students - who are overseen by a faculty mentor - on research/scholarly/creative projects to provide them with the opportunity to learn from one another and gain valuable skills. Participants receive scholarships and are funded to attend a conference to present their research/scholarship/creative activity at the end of the program.
- **Grad Rebel Writing Boot Camp:** A biannual, week-long program that assists students working on major writing pieces, including theses, dissertations, and publications. A free intensive writing experience with optional writing groups that continue year-round.
- **Graduate College Medallion Program:** Honors exceptionally involved and high-achieving students with medallions to be worn at commencement to mark their accomplishments.
- **Post-Graduate Career Pathways Program:** Helps graduate students explore and prepare for a variety of career options after completing their graduate program.

Events

The Graduate College hosts major, signature events each year and you can learn more about them on the Signature Events page. These are free and generally involve receptions; the goal is to highlight the impressive work of graduate students and build a community around graduate education. These events also serve as opportunities for community members and donors to see graduate students in action and better understand the importance of research, scholarship, and creative activities and the value of graduate education. The Graduate College also hosts a number of major student events each year that offer information, training, and resources.

Signature Events

Fall

Rebel Grad Slam: 3-Minute Thesis Competition

The Rebel Grad Slam: 3-Minute Thesis Competition is an opportunity for graduate students to showcase their research and scholarship in an engaging way. This is a fast-paced research rumble to highlight the innovative and impactful work being done by UNLV graduate students. Come out to cheer on friends, students, and colleagues! [Click here for more information.](#)

Diversity Research & Mentorship Forum

The annual Diversity Research & Mentorship Forum showcases undergraduate students, graduate students, postdoctoral scholars, and faculty/staff who are from diverse backgrounds and/or whose research is on diversity. Diversity is defined broadly and includes, but is not limited to, race, ethnicity, socioeconomic status, age, gender, sexual orientation, religious beliefs, ideologies, and physical abilities. This event includes an undergraduate and graduate student and postdoctoral faculty poster session; lunch; faculty, postdoctoral scholar, and student panel; and table fair for campus resources. Click here for more information.

Spring

Graduate & Professional Student Research Forum

The UNLV GPSA and the Graduate College host the Graduate & Professional Student Research Forum each spring, which showcases excellence in research conducted at the graduate and professional level. For more information, click here.

Inspiration, Innovation, Impact: A Celebration of Graduate Student Research

This event showcases the best in UNLV graduate student research. We invite you to join us to see a select group of outstanding graduate students from a variety of colleges giving short, five minute, TED-style talks or performances. Please see the program website for additional details.

Graduate Showcase

This event highlights exceptional graduate student research at UNLV. Students apply and are selected from across colleges and disciplines to share their research in seven minutes. Please see the program website for additional information.

Graduate Student Events

New Graduate Student Orientation

The Graduate College hosts a New Student Orientation in fall and spring semesters. Whether you are new to campus or an alumnus, you will learn important information unique to graduate studies at UNLV. You will also have a wonderful opportunity to meet other graduate students and get even more insider tips on how to survive and thrive in your graduate studies! Please check here for current orientation dates. Each department and/or program offering a graduate degree provides additional orientation and advising for new students.

Graduate Assistant Orientation

New Graduate Assistant Orientation is hosted in the fall semester. It features representatives from the university discussing issues such as student conduct, disability resources, policies and procedures, and meeting a class for the first time. It also includes a student panel discussion with Q & A. New Graduate Assistant Orientation is mandatory for all new GAs and recommended for returning GAs. Please check here for current orientation dates.

Doctoral Recognition Ceremony

Each spring and fall the Graduate College hosts this reception in celebration of our graduating doctoral candidates. The Doctoral Recognition Ceremony is held in addition to the university Commencement Ceremony and does not replace Commencement. For more information, click here. All graduates that attend the event will be awarded the UNLV Doctoral Honor Cord to be worn at Commencement. Students are hooded at Commencement.

Professional Development Resources and Opportunities Across Campus

Various offices across campus offer a variety of workshops and trainings, these include:

- Office of Sponsored Programs (OSP): OSP serves as the principal point of contact for individuals seeking and/or managing external funding for research, scholarship, and creative activities. It acknowledges and supports the efforts of faculty in seeking and utilizing external funding on behalf of their own professional interests and on behalf of the university's mission. Visit the Training page for more information.
- The Office of Research Integrity: The mission of the Office of Research Integrity (ORI) is to create and support an environment that promotes the ethical and responsible conduct of research while assisting researchers to comply with federal, state, NSHE, and local regulations with regard to research. Through key committees, related programs, and administrative activities, the ORI oversees UNLV policies related to research integrity, including the coordination of policy development and policy implementation. The ORI also provides support for the responsible conduct of research.
- UNLV Libraries Offers Instruction: Information sessions are provided for instructors that are designed to help students develop their abilities to identify, access, evaluate, and make effective use of information in its various formats.
- UNLV Libraries Workshops: A wide variety of library workshops are offered to UNLV graduate and professional students. All sessions are free. For a complete listing of available workshops and registration please visit the Graduate College Student Workshop Calendar.
- Writing Center: The Writing Center can help you with any writing assignment at any stage of the writing process. They can help in person, or you can send your paper using the simple form on their Online Writing Lab (OWL) page. Please note: GAs and adjunct instructors can request the UNLV Writing Center send a consultant to your class to talk about the services the Writing Center can offer your students. Call 702-895-3908 to schedule a presentation.
- Career Services: The mission of UNLV's Career Services is to educate, prepare, and assist students as they pursue the career development and job search process in a global and dynamic world of work.
- Interfolio: Interfolio is a system to collect, manage, and showcase academic and professional credentials for post-graduate education, teaching positions in higher education, and other opportunities. Interfolio offers individuals one central place to store their most important documents,

while also providing the means to distribute these materials to thousands of institutions across the county. Interfolio's services offer a revolutionary way for people to market themselves professionally.

- Faculty Center: The Faculty Center hosts workshops and events, many of which are offered to graduate and professional students. See their calendar of events here.
- LinkedIn Learning: LinkedIn Learning offers thousands of on-demand courses on business, creative, and technology skills - available for free to UNLV students, faculty, and staff.
- Military and Veteran Services Centers: UNLV is honored to have the opportunity to educate and serve our nation's heroes. We strive to provide responsive academic, social, and administrative support to student veterans, as well as active duty military members. Please note the following policy as it relates to veterans and VA funds:
- PL 115-407 Section 103 and 104 Compliance: Title 38 USC 3679 (e): A policy that does not impose any penalty, including assessment of late fees, the denial of access to classes, libraries, or other institutional facilities, or the requirement that a covered individual borrow additional funds while awaiting payment of VA funds under chapter 31 and 33. Individuals must submit a COE before the first day of class, a written request to use such entitlement, provide additional information necessary to certify enrollment, and may impose a fee for the amount that is different between the VA payment.
- Prevention, Education, and Outreach: CARE Presentations: Their mission is to grant access to knowledge, increase sensitivity, and change individual attitudes about interpersonal violence through presentations, discussions, and workshops around campus activism and violence prevention. To accomplish their mission, they facilitate educational workshops and presentations and staff outreach tables at campus events.
- OIT Canvas Training Workshops: Students have access to training workshops through Canvas. View a full training schedule here.
- OIT Trainings/Workshops: Training courses are offered to faculty and staff at UNLV, and student employees when space allows. Students are invited to contact the IT Help Desk where technicians can provide assistance with a wide range of computing needs.
- Safe Zone Training: Peer Educators are dedicated to leading presentations, training sessions, and workshops related to social justice and diversity.

Graduate Student Wellness: Physical, Mental, Emotional, And Financial Well-Being

Graduate Student Wellness

Graduate student health and well-being have garnered increasing attention and UNLV is dedicated to supporting the whole graduate student. This means a commitment to provide services and support that encourage physical, emotional, mental, and financial well-being.

UNLV Resources for Physical, Mental, and Emotional Well-being

UNLV offers various campus resources including new programming and has tapped into the latest trends in health and wellness to help students address their overall wellness. Resources include:

- CAPS (Counseling and Psychological Services): Students who self-identify in crisis can be seen the same day at UNLV CAPS. A wait of about two weeks applies to non-crisis situations. Clinicians are trained to help students work through problems commonly experienced by college students of all ages and backgrounds.
- Community Garden: Grow your own vegetables at the UNLV Campus Community Garden: The garden has 41 plots, each of which has a raised 3' x 8' bed. Show your green thumb and reap the benefits. Each plot requires an annual \$50 payment.
- Conflict Resolution Support: The Office of Student Conduct can help you resolve conflicts through peer mediation. This is a voluntary, self-empowering process in which an impartial or neutral third party helps participants discuss, negotiate, and reach a mutually acceptable settlement to their disagreement.
- Dental Clinic: The dental practice located within the Student Recreation and Wellness Center on the UNLV Maryland Parkway campus, room 1395, provides oral health care to students, staff, faculty, their families, and the public. Available services include x-rays, cleanings, fillings, crowns, extractions, dentures, and root canals. UNLV health insurance plans, and many others, are accepted.
- Faculty and Staff Treatment Center (FAST): Healthcare services to faculty, staff, and their dependents (ages five and older).
- Food Pantry: The UNLV Cares Food Pantry is open year-round to provide groceries for UNLV students and employees who are experiencing economic hardship. The use of the pantry is completely anonymous.
- Jean Nidetch CARE Center: Provides free and confidential support services to members of the UNLV community who have been impacted by sexual assault, relationship abuse family violence and/or stalking. The Center also hosts The CARELine, which is a confidential, 24-hour hotline connecting a student with a trained peer advocate: 702-895-0602.
- Student Health Center: There are multiple aspects of wellness to consider, including physical, emotional, spiritual, social, occupational, environmental, and intellectual health. When one area is out of balance, it usually affects the other

aspects of your life. The Student Health Center also offers vaccinations and treatment for minor illness and injuries. *Available to students who have paid the Student Health Fee*

- Student Recreation and Wellness Center (SRWC): Helps promote healthy lifestyles through diverse opportunities and experiences that stimulates personal growth and a connection to UNLV. Programs and services offered at the SRWC are listed on their website. The services are available to SRWC members and UNLV students who are registered for at least 4 or more credit hours during the current semester. The Center for Individual, Couple & Family Counseling: Provides quality, low-cost therapy to residents of the Las Vegas community.
- The Healthy Rebels: Are peer educators and student leaders who are creating a healthier, welcoming campus community through evidence-based events, programs, and workshops. The Healthy Rebels are fellow students who are nationally certified in peer education and can provide resource referrals.
- The Pharmacy: Fill your prescriptions with the added convenience of staying on campus.
- The PRACTICE: Provides affordable counseling services. They are committed to providing affordable, evidence-based mental health care to our clients and the highest quality training to students.
- The Rebel Wellness Zone: Offers engaging, student-centered wellness education and support resources to the UNLV community. Programs and services include:
 - Peer-facilitated presentations on health, relationships, stress management, alcohol and substance abuse, financial literacy, and more.
 - Health and wellness education programs, services, and information.
 - State-of-the-art Relaxation Room with massage chairs.
 - Fitness assessments.
 - Personal trainers for hire.
 - Nutrition and lifestyle consultations with our registered dietitian.
- UNLV Support Team: Works to connect students experiencing housing, food, or financial insecurity with resources they may find helpful. UNLV is committed to the health and safety of all members of UNLV's community. To safeguard our community, the UNLV Support Team has developed a comprehensive reporting system to share appropriate information so students can receive or stay connected to the academic support and student wellness services they need. This reporting system is one element of a safe and supportive campus community. This referral form is for the use of all members of the UNLV community, including students, faculty, and staff. We encourage the friends and family members of students in distress to utilize this form as well, to share any pertinent information in support of our students. If you have any questions related to completing a UNLV Support Team Referral, please call (702) 895-1404. To submit a support request, click here. For immediate concerns (e.g., suicide), call the police at 911 or campus police at 702-895-3669 in addition to referring students to the National Suicide Prevention Hotline (800-273-8255) or Trevor LifeLine (1-866-488-7386)..

- The Office of Student Conduct: Can help you resolve conflicts through peer mediation. This is a voluntary, self-empowering process in which an impartial or neutral third party helps participants discuss, negotiate, and reach a mutually acceptable settlement to their disagreement.
- UNLV Crisis/Emergency Services: For immediate concerns (e.g., suicide), call the police at 911. They also offer students in need of services for crisis counseling, stalking, sexual assault and rape, domestic violence, health services, and voluntary health withdrawal. The Crisis Text Line is the free, 24/7, confidential, text message service for people in crisis. Text HOME to 741741 for crisis support in the United States.
- Wellness Promotion: Offers students leadership and advocacy opportunities to empower students as change agents in mental health. Get involved with the UNLV Thrives Student Advisory Committee, relax in free massage chairs, and connect at events, workshops, and more.
- Wellness Workshops: The Grad Academy provides relevant workshops (e.g., work/life balance, imposter syndrome). Mind and body wellness is one of the core pillars of The Grad Academy.

Resources for Financial Well-being

Understanding your financial situation and preparing for the future is essential for success. UNLV and its partners offer several resources to help students with their financial well-being including providing information on debt, borrowing and spending, and money management.

- Council of Graduate Schools: They have compiled helpful resources and tools for managing personal finances and making informed decisions about saving, spending, and borrowing.
- GradSense: The Council of Graduate Schools developed GradSense to help graduate students better understand a variety of issues related to borrowing and spending, potential future earnings, and money management.
- Graduate College Financial Services: Offers several funding opportunities including GAships, scholarships, fellowships, and awards.
- Employee Assistance Program: WorkLifeMatters – Your Confidential Employee Assistance Program, Helping find a balance between work and home life. Toll free number: 1-800-386-7055. As a UNLV Resident/Fellow, you are entitled to:
 - Unlimited free telephonic consultations with an EAP counselor available 24/7
 - Referrals to local counselors
 - Three free counseling sessions free of charge
 - A state-of-the-art website featuring over 3,400 articles on topics like wellness, training courses, and a legal and financial center
- The Grad Academy: This Graduate College unit offers financial well-being workshops throughout the year.
- UNLV's Financial Aid & Scholarships Office: Supports higher-education access and persistence by providing financial aid to eligible students.
- UNLV Financial Aid Emergency Loans: The purpose of a

UNLV emergency loan is to provide enrolled students limited, short-term financial assistance. Emergency loan proceeds must be used for educational-related expenses such as housing, utilities, day care, books, tuition, and transportation costs necessary to attend UNLV.

Campus Resources And Contacts For Graduate Students

Alternative Breaks: Alternative Breaks are service and learning trips led by a small team of students and staff to give participants a chance to travel, learn, and serve meaningfully in their academic breaks. Nonprofit partners provide great opportunities to learn and serve in the local community, and our groups spend time as a team each night during reflection exploring social change and civic engagement.

Website: unlv.edu/sll/service/alternative-breaks

Bookstore: The UNLV Bookstore, located south of the Student Union, sells textbooks, apparel, supplies, and more.

Phone: 702-736-3955

Website: unlv.bncollege.com/shop/unlv/home

Campus Dining: Hungry? There is a wide variety of places on campus to eat! To name a few: Starbucks, Subway (two locations: Sidewalk Café, Pod Market and in the Student Union), Panda Express, Einstein Bagels (three locations: SEB, SRWC, and in RLL), The Coffee Bean & Tea Leaf, and the Commons. Load money onto your RebelCard and use it at these sites. By using your RebelCard, you don't pay tax!

- Download the app "Tapingo" and order ahead for campus dining locations of Starbucks, Subway, Taco Bell (Student Union), The Coffee Bean & Tea Leaf.
- For cost savings, meal plans are offered through the Dining Commons.

Website: unlv.campusdish.com/

Campus Convenience Stores: Need to grab some quick items, like aspirin or snacks? There are P.O.D.s (Provisions on Demand) located in the Dining Commons and the Student Union.

Campus Maps: This comprehensive interactive map, optimized for desktop and mobile devices, allows you to find information about buildings, campus resources, and parking. To search by category, visit UNLV's main campus website.

Website: unlv.edu/maps

Canvas: Canvas is the course management system used by UNLV to provide online teaching and learning opportunities, both in distance education and blended course delivery.

Website: it.unlv.edu/webcampus

Career Services: Career Services offer resources and

support to students throughout all stages of their career development.

Phone: 702-895-3495

Location: SSC-A 201

Website: unlv.edu/careerservices

Computer Facilities: OIT maintains 50 computer labs with some 1,500 computers available for academic use. The labs provide access to technology required by faculty and students in pursuit of teaching, learning, and research.

Website: it.unlv.edu/computer-labs

Division of Educational Outreach: The division serves southern Nevada with a wide range of classes offered year-round to those who wish to continue their education, add professional skills, or simply enrich their lives. Noncredit programs include classes, workshops, seminars, field trips, and extended travel-study programs.

Website: edoutreach.unlv.edu/

Disability Resource Center: The Disability Resource Center is committed to supporting students with disabilities through the appropriate use of advocacy, accommodations, and supportive services to ensure access to campus courses, services, and activities.

Phone: 702-895-0866.

Location: SCC-A 143

Website: unlv.edu/drc

English Language Center (ELC): Supports non-native speakers of English with reading, writing, listening, speaking, and vocabulary courses to develop inquiry, critical thinking, and communication skills to succeed in their chosen major at UNLV.

Website: unlv.edu/elc

Entrepreneurship and Innovation: Operates as an administrative unit within the UNLV Lee Business School. Their primary purpose is to provide educational opportunities for students, faculty, and the community to learn about entrepreneurship and related activities. Key activities include overseeing academic curriculum in entrepreneurship; conducting research in entrepreneurship; providing learning opportunities such as certificate programs, speakers, and events to expose students, faculty, and community members to entrepreneurship and to generate awareness of UNLV entrepreneurship programs. The Troesh Center for Entrepreneurship and Innovation partners with students, entrepreneurs, and leaders in the business community to foster entrepreneurship and support business activity, especially in the greater Las Vegas area.

Website: entrepreneurship.unlv.edu/

Financial Aid & Scholarships: UNLV's Financial Aid & Scholarships Office supports higher education access

and persistence by providing financial aid to eligible students.

Phone: 883-318-1228

Location: SSC-A 232

Website: unlv.edu/finaid

Get Involved: Join one of our 350+ student organizations.

Phone: 702-895-5631

Location SU 316

Website: unlv.edu/sia/student-orgs/involvement-center

Graduate & Professional Student Association (GPSA):

Promotes and represents the interests of graduate and professional students. Get involved and attend monthly meetings, socials, events, and more.

Phone: 702-895-2261

Location: LLB 2141 and SU 306 and GTW 200

Website: unlv.edu/gpsa

Graduate Catalog: Familiarize yourself with policies and procedures of the Graduate Catalog as well as your degree program.

Website: unlv.edu/graduatecollege/graduatecatalog

Graduate Commons: The Graduate Commons is an exclusive study space for UNLV graduate and professional students. There are two locations: One (Lied Grad Commons) is located in the Lied Library - Room 2141 (second floor) and the other (Gateway Grad Commons) is in the University Gateway Building (second floor). The Graduate Commons features a variety of services including a computer lab equipped, whiteboards, a small kitchen area, a collaborative workspace, and more.

The Grad Academy: Visit this virtual center to learn about events, certificate programs, professional development opportunities, workshops, and career services.

Website: unlv.edu/graduatecollege/academy

Grad Rebels Top 5: The UNLV Graduate College 'Top 5 in Vegas' series! Check out these top 5 submissions and learn about great things for Grad Rebels to do in Vegas! Do you have a list of your favorite 'top 5' things to do in Vegas? The Graduate College wants to hear from you! Examples include your top 5 favorite local restaurants, your top 5 favorite local coffee houses, your top 5 favorite places to visit on the weekend, and more. Email your 'Top 5 in Vegas' list to gradrebel@unlv.edu and you may see your ideas posted here!

- Top 5 Local Hikes
- Top 5 Street Art Safaris
- Top 5 Ways to Get the Most Out of Social Media
- Top 5 Restaurant Gems Close to Campus

Website: unlv.edu/graduatecollege/gradrebel/top-5

Student Organizations: UNLV has over 250 registered student organizations that students can join. Examples include:

- Black Graduate Student Association (BGSA)
- Latinx Graduate Student Association (LGSA)
- Law School Student Association
- Dental School Student Organization
- DAC
- Native American Student Association
- American Indian Alliance

Website: unlv.edu/sia/student-orgs

Human Resources: Human Resources strives to create a successful work environment through the recruitment, retention, and development of a diverse workforce. Phone: 702-895-3504. Location: CSB 237

Website: unlv.edu/hr

Hydration Stations: Support your community and plant. This map shows you where to refill reusable water bottles around campus.

Website: unlv.edu/maps/hydration-stations

Integrated Graphics Services (IGS): This administrative unit is responsible for coordinating and printing a wide variety of university publications and maintaining university graphic standards in print. IGS provides offset printing, black and white and color copying, and an assortment of bindery services. It also operates Rebel Copy and Send, a one-stop retail shop providing printing and shipping services to students, alumni, faculty, and staff. The shop specializes in copying theses and dissertations to Graduate College specifications.

Website: unlv.edu/units/integrated-graphics-services

Intramural Sports: The UNLV Intramural Sports Program provides UNLV students, faculty, and staff the opportunity to participate in a variety of organized, competitive activities throughout each academic year. Activities are organized on both a team and individual basis with opportunities to compete against likeminded teams/participants within specialty conferences (Ex. Men's Residence Hall or Women's Greek Conferences).

Website: unlv.edu/campusrec/intramurals

IT Help Desk: The IT Help Desk provides technology support for UNLV faculty, staff, and enrolled students. Contact Help Desk when you need assistance with password resets, new accounts, wireless, email, WebCampus, or other computing problems. Phone: 702-895-0777. Locations: SU 231 or CBC-B 113

Website: it.unlv.edu/it-help-desk

Jean Nidetch CARE Center: The Jean Nidetch CARE Center is committed to creating a supportive and inclusive environment for all genders through programming,

services, and advocacy.

Phone: 702-895-4475

Location: SSC-A 255

Website: unlv.edu/carecenter

Lactation Services: Lactation rooms, mother's nursing spaces provided by the Jean Nidetch CARE Center, are located throughout campus.

Website: unlv.edu/news/unlvtoday/unlv-lactation-rooms-available

Library: In support of the university's mission and shared values, the libraries contribute to and support learners as they discover, access, and use information effectively for academic success, research, and life-long learning.

Website: library.unlv.edu

Library To-do List For Graduate Students

- Learn the name of your liaison librarian: Liaison librarians have subject-specific expertise and can assist you with locating resources related to your research area. If you are teaching, a liaison librarian can work to provide library instructions for your students.
- Make an appointment with your liaison librarian: Liaison librarians are available for one-on-one research consultations.
- Activate your library account: Access electronic resources off-campus, borrow books we do not own and renew books online.
- Get an account with RefWorks, a web-based bibliographic management tool: Start organizing your research right away.
- Install RefWorks Write-N-Cite on your personal computer: Access RefWorks references and easily cite and format them within Microsoft Word. It does the work for you.
- Sign up for an ILLiad account: Request items we do not own from other libraries. You can get scanned articles emailed to you within three days and books within seven days.
- Take advantage of Link+: Order books the library does not own or are checked out.
- Sign up for a library workshop: Workshops are on a broad array of research-related topics ranging from locating grants and fellowships to strategies for developing an effective literature review.
- Locate your discipline's subject or ask your liaison librarian to create one: They contain information about all the key resources in your subject area and how to access them.

Makerspace: The Makerspace is a multidisciplinary space dedicated to exploration supported by both emerging technology and traditional equipment. The Makerspace will continue to grow and evolve as relevant new technologies are identified. Services available:

- 3D printing
- Laser Cutting and etching
- Vinyl cutting
- Sewing

- Prototyping

Website: library.unlv.edu/spaces/makerspace

Marjorie Barrick Museum of Art: The museum provides exhibitions, lectures, and programming that engage visitors' aesthetic and intellectual sensibilities. The museum is the temporary home of the Las Vegas Art Museum collection, which is featured regularly in the exhibition hall. Additionally, the museum maintains a superb collection of pre-Columbian and ethnographic art. Special arrangements can be made for school groups and tours.

Website: unlv.edu/barrickmuseum

Military and Veterans Services Website: The Military and Veteran Services help UNLV's student veterans and active-duty military members successfully navigate the academic and administrative pathways of a college education. The staff assist more than 1,000 veterans, dependents, active duty service members, National Guard members, and reservists.

Website: unlv.edu/units/veteran-services

National Supercomputing Institute (NSI): Established in 1990, the institute is a full-service supercomputing facility with on-site and off-site user training, national network accessibility, and a mission for excellence in education and research in supercomputing and its applications. The NSI provides supercomputer training and services to academic and research institutions, government and private industry for research and development related to energy, the environment, medical informatics, and health care delivery.

Website: unlv.edu/units/national-supercomputing-institute

Parking and Transportation Services: Parking and Transportation Services strives to make parking your vehicle as efficient and convenient as possible.

Phone: 702-895-1300. **Location:** PSB

Website: unlv.edu/parking/lots

Payroll: Payroll provides faculty, staff, and students accurate and timely compensation for services provided. **Phone:** 702-895-3825. **Location:** CSB 244

Website: unlv.edu/payroll

Police Services: Committed to protecting and serving the campus community 24 hours a day, Police Services maintains the UNLV RebelSAFE Alert System and offers a variety of services to the campus community.

Phone: Non-emergency: 311 (campus landline) or 702-895-3668 (cell phone). Emergency: 911 (campus landline) or 702-895-3669 (cell phone). **Location:** PSB

Website: unlv.edu/police/rebelsafe

RebelCard: You can deposit money to your RebelCard and use it for campus dining, vending machines, and for

purchases at many restaurants and shops both on and off campus.

Phone: 702-895-2351. **Location:** SU 118

Website: unlv.edu/rebelcard

Rebelmail: Your UNLV email account is one of the primary ways you will receive official university communications.

Website: it.unlv.edu/rebelmail

Recycling Services: The “Drive-Up, Drop Off” recycling program will accept items for recycling. There are also donation boxes available.

Website: unlv.edu/facilities/drop-off

Risk Management and Safety: Risk Management and Safety protects staff, students, and visitors to UNLV from injury, while also protecting the institution from financial loss.

Phone: 702-895-4226. **Location:** CSB 119

Website: unlv.edu/rms

Student Conduct: Student Conduct serves as a resource to the campus community for student conflict resolution, and also provides an extensive outreach program that includes presentations on academic integrity, preventing academic misconduct, conflict resolution, and managing disruptive behavior. **Phone:** 702-895-2308. **Location:** CDC-01 Rm 118

Website: unlv.edu/studentconduct/contact

Student Counseling and Psychological Services (CAPS): CAPS staff is dedicated to helping students balance multiple aspects of wellness and health.

Phone: 702-895-3627 • **Location:** RWC 1500

Website: unlv.edu/studentwellness/health-center

Student Diversity & Social Justice (SDSJ): SDSJ advocates with a diverse student population to amplify and affirm students’ identities through an intersectional framework to promote student success. SDSJ is a student-centered office committed to educating, empowering, and developing UNLV students as leaders to recognize and address societal injustices.

Student Health Center: The Student Health Center, Lab, and Pharmacy are open to enrolled students. **Phone:** 702-895-3370. **Location:** RWC 1500.

Website: unlv.edu/studentwellness/health-center

The Intersection: The Intersection is a safe, healthy, physical space for students, faculty, and staff to gather, exchange ideas and information, and develop a shared sense of community at UNLV. The Intersection: Academic Multicultural Resource Center is a comprehensive and sustainable resource center for students - particularly first-generation and students of color - faculty, staff, and our community at large. The Intersection provides access and linkages to research, people, information, and services.

Website: unlv.edu/intersection

Student Health Insurance: The student health insurance provides coverage for necessary medical and mental health services beyond those available through Student Wellness.

Phone: 702-895-3370.

Website: unlv.edu/studentwellness/health-center/health-insurance

Student Recreation and Wellness Center (SRWC): The SRWC provides personal training, group exercises, intramural sports, swim lessons, open recreation, relaxation rooms, and fitness and nutrition consultations.

Phone: 702-774-710 • **Location:** RWC

Website: unlv.edu/srwc

Student Union: The Student Union offers conveniences and amenities for everyone, whether you need to grab a snack, hold a meeting, or just have some fun. **Phone:** 702-895-4449. **Location:** SU

Website: unlv.edu/studentunion

Summer Term: Summer Term is a self-supporting program that empowers students to get ahead and graduate sooner. By offering additional opportunities to earn college credit, students reap the benefits of attaining up to an additional 18 credits for undergraduate students, and 12 credits for graduate students, ultimately fast-tracking their degree.

Website: summerterm.unlv.edu/

Transcripts Requests:

Phone: 702-895-3443 • **Location:** SSC-C

Website: apps.ess.unlv.edu/transcriptrequest/

Tuition and Fees: The Cashiering and Student Accounts Office educates students and parents on the financial responsibilities of enrolling at UNLV and processes transactions involving tuition accounts. **Phone:** 702-895-3683 (Cashiering); 702-895-3577 (Student Accounts). **Location:** SSC-A 131-134 and 136

Website: unlv.edu/apply/college-costs

University Libraries (Lied Library): University Libraries is equipped with subject librarians for your program to assist you in searching, acquiring, and organizing your research.

Phone: 702-895-2111.

Website: unlv.edu/units/libraries

UNLV Writing Center: The UNLV Writing Center offers free help from enrolled UNLV students for any writing project, from papers to creative writing to resumes.

Phone: 702-895-3908. • **Location:** CDC-3

Website: <https://writingcenter.unlv.edu/>

UNLVtickets: UNLVtickets sells tickets for some of the most popular entertainment and sporting events in Las Vegas. Phone: 702-739-3267

Website: unlvtickets.com/

UNLV/CSUN Preschool: The preschool is a division of the Department of Early Childhood, Multilingual, and Special Education and is housed in the Lynn Bennett Early Childhood Education Center on the UNLV Maryland Parkway campus. The mission of the UNLV/CSUN Preschool is to provide a model inclusive early childhood program that serves children (six weeks to five years of age) of students, faculty, staff, and the general public; teacher training for future educators; and to promote research studies on issues and practices relevant to child development and early learning. Through the Graduate College, find out if you are eligible for a UNLV Graduate Access Child Care Scholarship.

Website: unlv.edu/preschool

University of Nevada Press: The University of Nevada Press is a publisher of scholarly books. Established by the Board of Regents in 1961 and reporting through UNR, the press is contributing to the state of Nevada and the scholarly community by publishing books in the areas of history, government, natural resources, ethnic groups, and contemporary affairs.

Website: unpress.nevada.edu/

Western Regional Graduate Program (WRGP): WRGP aids residents in obtaining graduate and professional level education in fields of study not available within the state. Currently, Nevada is active in the WICHE Professional Student Exchange Program, the Western Regional Graduate Program, and the Western Undergraduate Exchange Program.

Website: ir.unlv.edu/IAP/Reports/Content/ExternalOrganizationsAndStudies.aspx

Women's Research Institute of Nevada: A member of the National Council for Research on Women (NCRW), this network is a learning house for research on women and girls.

Website: unlv.edu/wrin

Housing

Student Housing

- **Campus Housing Policies:** UNLV is proud to offer multiple options for living on campus that maximizes your graduate school experience. Live with students of similar interests, be close to campus resources, and learn in a safe and supportive environment.
- **HELP of Southern Nevada:** Emergency Resource Services (ERS) is the essential link between people needing services and those providing human services in our community. Services offered include case management housing assistance, other supportive services, and mainstream programs. ERS is key to HELP's ability to wrap services around clients so that self-sufficiency is obtained. Hundreds

of households every year are prevented from becoming homeless through this program.

- **Southern Nevada Regional Housing Authority:** This is a federal program for assisting low and very low-income families, the elderly, and the disabled to afford decent, safe, and sanitary housing (that they choose) in the private market. Since housing assistance is provided on behalf of the family or individual, participants can find their housing, including single-family homes, townhouses, or apartments. The participant is free to choose any housing that meets the requirements of the program. The program also allows its participants to use the voucher after the first year of admissions (if the applicant was not a current resident of Clark County when they applied) anywhere in the nation. This segment of the program is entitled Portability. The term Section 8 is used to describe the various Housing Choice Voucher Programs.
- **Nevada Partnership for Homeless Youth:** Homelessness among youth is a growing crisis in the Las Vegas Valley. For over 18 years, the Nevada Partnership for Homeless Youth (NPHY) has provided Southern Nevada's homeless youth with help, hope, and the support needed to rebuild their lives.

Transportation and Parking Services

- **Club Ride:** A free program to help Las Vegas commuters find cheaper and easier ways to get to work or school.
- **Motorist Assistance Program:** Need a jump start? Got a flat tire? You can call the Motorist Assistance Program at 702-895-1300 Monday-Thursday, 7 a.m.-7 p.m. and Friday, 7 a.m.-5 p.m. If you need assistance after 5 p.m., contact University Police at 702-895-3668.
- **Safe Escort at Night:** Studying late or have a night class? Call the Department of Police Services at 702-895-3668, ext. 2 and a student security officer will escort you safely to your vehicle.
- **New Transit Center:** A new transit center is located on the southwest corner of the campus which includes bus service directly to campus among other amenities.
- **Parking at UNLV:** Lot S, located on the NW side of campus off of Harmon Ave., does not require a parking permit. This lot fills up quickly, thus you will need to arrive early to secure a spot. Parking on campus requires a student parking permit. Students may only park in student lots with a student permit. Students may park in staff parking during specific times and locations.
 - No one at any time may park in reserved parking without a reserved parking permit.
 - Parking is enforced 7 a.m.-7 p.m. Monday-Thursday and 7 a.m.-1 p.m. on Friday during the traditional school year. During the summer months, parking enforcement hours are from 7 a.m.-5 p.m. Monday-Thursday and 7 a.m.-1 p.m. on Friday.

Lee Business School

The Lee Business School offers several graduate programs.

The Master of Science in Accountancy (MSA) provides professional preparation for students wishing to pursue careers in taxation, public accounting, managerial or corporate accounting, and government. The MSA also provides the necessary coursework for sitting for the CPA exam in Nevada and other 150-hour jurisdictions.

The Master of Science in Quantitative Finance (M.S. QF) provides advanced education and training on core finance knowledge and skills, with special emphasis on quantitative methods and new financial technologies. These quantitative methods include mathematical finance theories as well as statistical and computer programming techniques to manage and analyze large financial data sets. After graduation, students can work in various analyst or leadership positions in corporate finance, investment management, investment banking, hedge funds, mutual funds, private equity, risk management, trading, commercial banking, insurance, or regulatory institutions.

The Master of Science in Management Information Systems (M.S. MIS) prepares graduates for professional and managerial careers in information technology (IT). MIS students earn competency in IT, embedded in a business context that provides them with well-rounded preparation for occupations in high demand.

The M.A. in Economics focuses on applied and empirical economics and also provides students with a strong foundation for further graduate study at the Ph.D. level. The core of the program includes the basic theory of microeconomics, macroeconomics, as well as math for economists. To develop empirical skills, students must take 2 courses that use statistical analysis to examine interesting economic problems.

The M.S. in Data Analytics and Applied Economics combines skills in programming, data gathering, and data management with skills in economic reasoning and statistical analysis skills. The program attracts students with focused career choices that require core competence in programming and constructing data systems with analytical and statistical skills. It also prepares students preparing for a career as data scientists. The economics portion of the degree advances students' knowledge in economic theory. It also provides students with skills associated with advanced statistical and econometric analysis and helps students develop their communication skills. The technical portion of the degree is designed to equip graduate students with a solid foundation in programming, building data management systems, and data mining.

The Master of Business Administration (MBA), is designed to prepare the individual to meet the challenges of rapid change in business and in society through an emphasis on managerial concepts and analytical reasoning.

The particular focus on theory and practice produces special qualities in the UNLV MBA graduate. By studying managerial theory and economic principles, the student acquires the capacity for assuming responsibility in a wide variety of roles within an organization.

The Executive Master of Business Administration (EMBA) is designed for experienced professionals who want to compete for top management positions by acquiring an integrated understanding of business and the strategic perspective necessary to lead. Taught by accomplished faculty, small cohorts of students complete a rigorous and relevant curriculum in just eighteen months by immersing themselves in a highly interactive experience. The program culminates with an international seminar where students witness global business first-hand.

*Paulette R. Tandy, Ph.D., CPA, Interim
Dean, Lee Business School*

Stoney G. Alder, Ph.D., Vice Dean, Lee Business School

*Chin-Chun (Vincent) Hsu, Ph.D., CMA, Associate
Dean for Research and Graduate Programs*

Programs

Accounting

Business Administration Programs

Economics

Finance

Management Entrepreneurship and Technology

Marketing and International Business

Accounting

The Master of Science in Accounting is designed to provide professional preparation at the graduate level for students wishing to pursue careers and advancement in taxation, public accounting, managerial or corporate accounting, and government. Our graduate courses help students extend and integrate their accounting knowledge by building on the knowledge received in undergraduate programs. The M.S. in Accounting provides the necessary coursework to sit for the CPA exam and obtain the CPA license in Nevada and other 150-hour jurisdictions.

Students may pursue either a full-time or part-time course of study to complete the 30-credit program. Students need not have an undergraduate degree in accounting or business. However, those without the undergraduate coursework on which the program builds will be required to complete those courses in addition to the 30-credit program.

Pursuing a career in accounting can provide a lifetime of professional opportunities. Earning your M.S. in Accounting is an investment in yourself and your future.

The A.A.C.S.B. - International Association for Management Education accredits the Master of Science in Accounting.

Robert Cornell, Chair

Kimberly Charron, Graduate Coordinator

Accounting Faculty

Department Chair

Cornell, Robert – *Full Graduate Faculty*

Associate Professor; B.S., Truman State University, Ph.D., University of Utah; CMA. Rebel since 2017.

Graduate Coordinator

Charron, Kimberly - *Full Graduate Faculty*

Associate Professor; B.S., Ph.D., University of Arizona; CMA. Rebel since 1997.

Faculty

Biordi-Fusaro, Debra - *Associate Graduate Faculty*

Lecturer; B.A., M.S., Long Island University; CPA, Nevada and New York. Rebel Since 2018

Hamilton, Erin - *Full Graduate Faculty*

Associate Professor; B.S., M.S., Kent State University; Ph. D., University of South Carolina; CPA, Ohio. Rebel since 2013.

Jones, Donald - *Associate Graduate Faculty*

Assistant Faculty-In-Residence ; B.S.B.A., Bowling Green State University; J.D., University of Akron; LL.M., Georgetown University; CPA, Texas, Washington D.C. Rebel Since 2011.

Moores, Charles T. - *Full Graduate Faculty*

Professor; B.S., University of Arkansas at Little Rock; M.S., Ph.D., Louisiana State University; CPA, Texas. Rebel since 1989.

Navarro-Velez, Patricia - *Full Graduate Faculty*

Assistant Professor; B.S.B.A., University of Puerto Rico; M.B.A., Bowling Green State University; Ph.D. University of Central Florida; CISA. Rebel since 2019

Perez, Frank - *Associate Graduate Faculty*

Assistant Faculty-In-Residence ; B.S.B.A., University of Nevada, Las Vegas; J. D., California Western School of Law. Rebel since 2018.

Perri, Tammy - *Associate Graduate Faculty*

Lecturer; B.S., Minnesota State University - Moorhead; M.S. University of Mary; CPA, North Dakota. Rebel since 2014.

Raschke, Robyn - *Full Graduate Faculty*

Professor; B.B.A, M.ACC., University of Georgia; Ph.D., Arizona State University; CPA, Georgia. Rebel since 2007.

Suh, Ikseon - *Full Graduate Faculty*

Associate Professor; B.A., M.F., Instituto Tecnológico Autónomo de México - ITAM; M.A., Ph.D. Southern Illinois University - Carbondale. Rebel since 2017

Saiewitz, Aaron - *Full Graduate Faculty*

Associate Professor; B.S., Fairleigh Dickinson University; Ph.D. University of Massachusetts – Amherst; CPA, New Jersey and Massachusetts. Rebel since 2014

Siciliano, Daniel - *Associate Graduate Faculty*

Senior Lecturer; B.S.B.A., M.B.A., University of Nevada, Las Vegas; CPA, Nevada; CGMA; CMA; CFM. Rebel since 2012.

Smith, Jason L. - *Full Graduate Faculty*

Professor; B.S., M.ACC., Brigham Young University; Ph.D., University of Arizona; CPA, Colorado. Rebel since 2008.

Tandy, Paulette R. - *Full Graduate Faculty*

Associate Professor; B.S., Appalachian State University; MBA, Ph.D., Texas A&M; CPA, North Carolina. Rebel since 1989.

Zimmerman, John - *Full Graduate Faculty*

Associate Professor; B.S., Glassboro State College; M.S., Golden Gate University; J.D., Southwestern University School of Law; CPA, California and New Jersey. Rebel since 1989.

Professors Emeriti

Baldwin, Duane E.

Emeritus Professor; B.S., M.A., San Jose State University; D.B.A., University of Southern California; C.P.A., Nevada, Utah. UNLV Emeritus 1975-1996.

Milne, Ronald A.

Emeritus Associate Professor; B.S., Arizona State University; MBA, Michigan State University; Ph.D., University of Illinois. UNLV Emeritus 1983-2000.

Plans

Advanced Graduate Certificate in Accounting (Eliminated)

Graduate Certificate in Accounting (Eliminated)

Master of Science - Accounting

Master of Science - Accounting

This program is accredited by: AACSB. More information can be found at: unlv.edu/provost/vpaa/accreditation

Plan Description

The Master of Science – Accounting is a professional degree designed to enhance the skills of those planning careers in accounting. The program of study includes training in advanced accounting topics such as auditing, financial accounting, accounting systems, and taxation. The Master of Science -Accounting requires a minimum of 30 credit hours above the bachelor's degree.

The A.A.C.S.B. – International Association for Management Education accredits the Master of Science – Accounting. The Nevada State Board of Accountancy requires 150 hours of college credits from a college or university approved by the State Board of Accountancy. In combination with an undergraduate degree, the 30 hours required by the Accounting M.S. program should satisfy these requirements.

For more information about your program, including your graduate program handbook and learning outcomes please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

- Applications available on the UNLV Graduate College website.

- Each student must satisfy the following

requirements for admission into the Master of Science –Accounting:

- A bachelor's degree from an accredited college or university.
- A minimum GPA of 3.00 or higher on a 4.00 scale.
- Students must have satisfactorily completed introductory financial accounting.
- A minimum GMAT score of 550 and a minimum score in the 25th percentile or higher on Verbal and a minimum score in the 25th percentile or higher on Quantitative.
- The GMAT may be waived for UNLV accounting students who have a 3.25 GPA in the core accounting courses (ACC 400, 401, 402, 405, 409, 410 and 470) or equivalent.
- Compliance with the Graduate College admission standards.

Students who have not completed all the following courses (or equivalent courses) as part of their bachelor's degree may be required to complete them as a condition of their admission prior to graduation from the Master of Science – Accounting:

- ACC 600 - Accounting Environment
- ACC 601 - Financial Reporting I
- ACC 602 - Financial Reporting II
- ACC 609 - Accounting Information Systems
- ACC 610 - Federal Taxation
- ACC 670 - Auditing and Assurance Services
- ACC 673 - Law For Accountants I

Note: These courses will not count toward the 30 credits required for the Master of Science – Accounting.

All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

Total Credits Required: 30

Course Requirements

Accounting Courses – Credits: 15

Complete five 700-level Accounting (ACC) courses.

Elective Courses – Credits: 12

Complete four graduate level Accounting or Non-Accounting elective courses from approved list.

Capstone Course – Credits: 3

Select one of the following courses based on the area of the accounting profession you wish to pursue:

- ACC 701* - Federal Tax Topics
- ACC 706 - Auditing Theory and Applications
- ACC 715 - Advanced Management Accounting

Degree Requirements

A minimum of 18 credits must be taken within Accounting.

A minimum of 18 credits must be in 700-level courses.

A maximum of 12 credits may be taken outside of Accounting.

The student and the department graduate program coordinator will design each degree program.

Students seeking a Master of Science – Accounting must comply with all general university requirements as outlined in the Graduate Catalog. In addition, the above requirements must be satisfied, and exceptions or modifications of the program and requirements must be approved by the Graduate Coordinator.

Plan Graduation Requirements

The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.

Accounting Courses

ACC 600 - Accounting Environment Credits 3

Explores the accounting profession, accounting information systems, internal controls, accounting decision-making, the accounting process and financial accounting, and accounting research. Notes: This course is crosslisted with ACC 400. Credit at the 600-level requires additional work. Prerequisites: ACC 201 and Graduate degree seeking.

ACC 601 - Financial Reporting I Credits 3

Study of current accounting objectives, principles, theory, and practice in the preparation, interpretation, and analysis of general purpose financial statements for external users, as established by the Financial Accounting Standards Board and predecessor organizations. Notes: This course is crosslisted with ACC 401. Credit at the 600-level requires additional work. Prerequisites: ACC 400 or ACC 600 and Graduate degree seeking.

ACC 602 - Financial Reporting II Credits 3

Continuation of the study of current accounting objectives, principles, theory, and practice in the preparation, interpretation, and analysis of general purpose financial statements for external users, as established by the Financial Accounting Standards Board and predecessor organizations. Notes: This course is crosslisted with ACC 402. Credit at the 600-level requires additional work. Prerequisites: ACC 401 or ACC 601. Graduate degree seeking.

ACC 605 - Cost Management and Control Credits 3

Provides a thorough understanding of cost accounting theory and practice with emphasis on product costing concepts and methods, the use of cost information for strategic planning and decision analysis, and current cost topics including the influence of technology on accounting. Notes: This course is crosslisted with ACC 405. Credit at the 600-level requires additional work. Prerequisites: Graduate degree seeking.

ACC 606 - Auditing in the Gaming Industry Credits 3
Audits of gaming entities; terminology; regulatory requirements and the associated compliance audit requirements; control systems and the inherent risks unique to the gaming industry. Notes: This course is crosslisted with ACC 406. Credit at the 600-level requires additional work. Prerequisites: ACC 600 or ACC 400. Graduate degree seeking.

ACC 607 - Governmental and Not-for-Profit Accounting Credits 3
Study of the rules and procedures for accounting under the fund accounting principles of GASB. Entities covered are state and local governments and governmental not-for-profit organizations. Fund types include Governmental Funds, Proprietary Funds, and Trust & Agency Funds. Notes: This course is crosslisted with ACC 407. Credit at the 600-level requires additional work. Prerequisites: ACC 401 or ACC 601. Graduate degree seeking.

ACC 609 - Accounting Information Systems Credits 3
Promotes business solutions through the use of information technology. Tools and topics may include accounting software, databases, cycle-based analysis of internal controls, system documentation techniques, and data modeling. Notes: This course is crosslisted with ACC 409. Credit at the 600-level requires additional work. Prerequisites: ACC 400 or ACC 600. Graduate degree seeking.

ACC 610 - Federal Taxation Credits 3
Introduction to a broad range of tax concepts and types of taxpayers, including corporations, pass-through entities, and sole proprietorships. Emphasizes the role of taxation in the business decision process, and provides students with the ability to conduct tax research, compliance and planning. Notes: This course is crosslisted with ACC 410. Credit at the 600-level requires additional work. Prerequisites: ACC 201 and Graduate degree seeking.

ACC 612* - Fraud Examination Credits 3
Covers the pervasiveness of and causes of fraud and white-collar crime; explore methods of fraud detection, investigation and prevention; and increase your ability to detect material financial statement fraud. Emphasis on real world cases, and current newspaper and journal articles. Notes: This course is crosslisted with ACC 412. Credit at the 600-level requires additional work. Prerequisites: ACC 409 or ACC 609. Graduate degree seeking.

ACC 620 - Internal Auditing Credits 3
Study of internal auditing as an independent, objective assurance and consulting activity designed to add value and improve an organization's operations. Emphasis on communication and analytical skills. Notes: This course is crosslisted with ACC 420. Credit at the 600-level requires additional work. Prerequisites: ACC 401 or ACC 601. Graduate degree seeking.

ACC 670 - Auditing and Assurance Services Credits 3
Environment of auditing and other assurance services, including professional standards, ethics and legal liability. Techniques and procedures employed in gathering audit evidence and reporting requirements. Notes: This course is crosslisted with ACC 470. Credit at the 600-level requires additional work. Prerequisites: ACC 601 and taken or concurrent enrollment in ACC 609.

ACC 673 - Law For Accountants I Credits 3
Introduction to law and the court system; introduction to torts; contracts and sales; real and personal property. Notes: This course is crosslisted with ACC 473. Credit at the 600-level requires additional work. Prerequisites: Graduate degree seeking.

ACC 701* - Federal Tax Topics Credits 3
Advanced tax topics involving corporations, proprietorships, and individuals. Prerequisites: ACC 410 or ACC 610 or equivalent.

ACC 702 - Financial Reporting Topics Credits 3
Advanced accounting principles, theory, and practice used in the preparation, interpretation, and analysis of general purpose financial statements for external users. Grading: Letter grade. Prerequisites: ACC 402 or ACC 602 or equivalent.

ACC 703 - Issues in Federal Taxation Credits 3
Broad survey course that examines an array of topics using the Internal Revenue Code, Treasury Regulations, court cases and IRS rulings. Topics include income recognition and exclusions, capitalizations, deductions, fringe benefits, capital assets, tax free exchanges and other topics. Prerequisites: ACC 410 or ACC 610 and Graduate degree seeking

ACC 705 - Research Methods in Federal Taxation Credits 3
Federal tax research methodology as related to practical problem solving in the areas of accounting practice and administrative tax procedures before the Internal Revenue Service and the United States Tax Court. Prerequisites: ACC 410 or ACC 610 and Graduate degree seeking.

ACC 706 - Auditing Theory and Applications Credits 3
Examination of the changing business environment of the auditor and the impact of these changes on auditing philosophy, objectives, and methodology. Contemporary issues in auditing examined. Prerequisites: ACC 470 or ACC 670 and Graduate Degree seeking.

ACC 709 - Systems Theory and Applications Credits 3
Through readings and case studies, the course develops knowledge needed in the accounting information systems field from advanced topics that focus on design and implementation issues of enterprise systems. Emerging issues in the application of technology to accounting information systems and IT auditing tools and risk assessment are also examined. Prerequisites: ACC 409 or ACC 609 and Graduate degree seeking.

ACC 715 - Advanced Management Accounting Credits 3
This course covers current issues impacting management accounting. An emphasis will be placed on ethics and management control systems. Prerequisites: Graduate degree seeking.

ACC 725 - Mergers, Acquisitions and Divestitures Credits 3
Accounting concepts, practices, and procedures involved in accounting for business combinations, multinational-national corporations, and divestitures. Prerequisites: ACC 401 or ACC 601 or equivalent.

ACC 740 - Taxation of Corporations and Shareholders Credits 3
Federal income tax problems of corporations and shareholders including organization, capital structure, distributions, undistributed income, stock redemptions and partial liquidations. Prerequisites: ACC 410 or ACC 610 or consent of instructor.

ACC 745 - Taxation of Partnerships Credits 3
Tax considerations of organization and operation of partnerships. Partnership distributions, withdrawal of partners, problems upon death of a partner, dissolution of partnership, and sale of an interest. Prerequisites: ACC 410 or ACC 610 or consent of instructor.

ACC 749 - Seminar in Estate Planning Credits 3
Estate and gift taxation with consideration of estate planning devices, generation skipping transfer tax, marital deduction and liquidity problems. Prerequisites: ACC 410 or ACC 610 or equivalent.

ACC 774 - Law for Accountants II Credits 3
Law of commercial paper; secured transactions; creditor's rights; bankruptcy; agency; business organizations (partnerships and corporations); security regulation. Prerequisites: Graduate degree seeking.

ACC 775R - Research Seminar in Accounting Credits 3

This course is intended to introduce students to academic accounting research through participation in research seminars, evaluation of research papers and preparation of a research proposal. Students will also learn about academic careers in accounting. Notes: May be repeated to a maximum of six credits. Grading Letter grade.

ACC 781 - Internship Credits 3

Supervised professional learning experience in accounting with business firms, nonprofit organizations or government agencies. Project report required. Prerequisites: Admission to MS Accounting program.

ACC 789 - Seminar in Accounting Credits 3

Study in specialized areas of accounting. Notes: May be repeated to a maximum of six credits. Prerequisites: ACC 701*, ACC 702, ACC 725 and ACC 774 and have the requisite credits to sit for the CPA exam.

ACC 790 - Independent Study in Accounting Credits 3

Individual directed study of a topic not covered in other courses. Prerequisites: Approval of Instructor.

ACC 791 - Professional Paper Credits 3

Professional paper preparation, including review of literature or similar research effort.

BLW 650 - Law of the Internet

Focus on the legal and ethical environment of doing business over the Internet. Topics include personal jurisdiction in cyberspace, electronic speech, privacy and data collection, on-line contracting, intellectual property, cybercrime and security, consumer protection, taxation, and Internet transactions involving securities. Notes: This course is crosslisted with BLW 450. Credit at the 600-level requires additional work.

Business Administration Programs

Excellence is rarely achieved by sitting still. Faced with a global competitive business environment and supported by new information and communication technologies, organizational structures are changing. Success in the new marketplace requires teams of executives working across functions and across borders. The Lee Business School (LBS) MBA programs offer students practical and theoretical applications that will provide them with a well-rounded business education. The LBS offers full/part-time evening MBA with concentrations in finance, human resources management, marketing, management information systems and new venture management. Students also have the option to pursue one of four dual programs: the MBA/JD (Juris Doctor), the MBA/DDM (Doctor of Dental Medicine), the MBA/MS in Hotel Administration and the MBA/MS in Management Information Systems. Students choose UNLV due to its "location, flexibility and affordability".

Courses are offered through our evening MBA Program or Executive MBA Program. The evening MBA program students have an average of 5 years of work experience and a majority of them remain employed while pursuing their MBA. Executive MBA students average thirteen years of work experience with 10 in management roles; they bring their collective experience to the classroom to enhance the learning environment. Both programs provide students with a diverse learning environment through the undergraduate degrees students hold, the careers they work in, and the countries and cultures that they represent.

Our faculty members are committed to the continuous quality improvement of the curriculum and teaching, to increased vertical and horizontal integration of course material and to team learning. To achieve the best outcome, the faculty members embrace no single teaching method, but rather employ a combination of methods best suited to the particular objectives of the course. Lectures, group discussions, guest speakers, seminars, case studies, computer simulations, and individual and group research projects are frequently used within courses and across the curriculum.

All programs offered by the Lee Business School at UNLV are accredited by A.A.C.S.B. -- The Association to Advance Collegiate Schools of Business.

Graduate Non-Degree Seeking Students

Students may be considered to take courses as a non-degree seeking student before being admitted to the program if the following conditions are met. Students must have a current application for admission on file and satisfy the minimum admission requirements for the upcoming semester, including GMAT. Students must receive the approval of the MBA director before enrolling in graduate courses offered by the Lee Business School. Approval may be granted for one semester only and for a maximum of 6 credit hours. Approval is restricted to the courses in the first half of the MBA core curriculum.

Anjala S. Krishen, Ph.D., Professor, Graduate Coordinator, and Director of MBA Programs
Nikkole Liesse, M.B.A., Graduate Coordinator - EMBA Director

Business Administration Faculty

Director of MBA Programs

Hsu, Chin-Chun - *Full Graduate Faculty*
Professor; B.S., Tamking University; MBA, California State University, San Bernardino; Ph.D., Saint Louis University; CMA. Rebel since 2003.

Graduate Faculty

- Alder, G. Stoney** - *Full Graduate Faculty*
Professor; B.S., University of Utah; MBA, Brigham Young University; Ph.D., University of Colorado. Rebel since 2002.
- Baur, John** - *Full Graduate Faculty*
Assistant Professor; B.B.A., Loyola University New Orleans; MBA, Creighton University; Ph.D., University of Oklahoma. Rebel since 2015.
- Chang, Saeyoung** - *Full Graduate Faculty*
Professor; B. Commerce, University of Calgary; MBA, Indiana University; Ph.D., Ohio State University. Rebel since 1999.
- Chatfield, Robert E.** - *Full Graduate Faculty*
Professor; B.A., Eastern Nazarene College; M. S., Ph.D., Purdue University. Rebel since 1988.
- Chi, Jainxin (Daniel)** - *Full Graduate Faculty*
Assistant Professor; B Economics, Qingdao University; MBA, Idaho State University; Ph. D. Texas A&M University, Rebel since 2011.
- Choi, Seungmook** - *Full Graduate Faculty*
Professor; B.A., Korea University; M.A., Ph.D., University of Texas, Austin. Rebel since 1991.
- Cross, James** - *Full Graduate Faculty*
Associate Professor; B.S., MBA, Ph.D., University of Minnesota. Rebel since 1989.
- Gardner, Richard** - *Full Graduate Faculty*
Assistant Professor; B.S., Brigham Young University; MPA, Brigham Young University; Ph.D., Texas A&M University. Rebel since 2015.
- Hsu, Chin-Chun (Vincent)** - *Full Graduate Faculty*
Professor; B.S., Tamking University; MBA, California State University, San Bernardino; Ph.D., Saint Louis University; CMA. Rebel since 2003.
- Jameson, Melvin H.** - *Full Graduate Faculty*
Professor; S.B., Massachusetts Institute of Technology; M.A., Ph.D., University of California, Berkeley. Rebel since 1989.
- Krishen, Anjala S.** - *Full Graduate Faculty*
Associate Professor; B.S., Rice University M.S., M.B.A., Ph.D., Virginia Polytechnic Institute and State University; . Rebel since 2007.
- Lee, D. Scott** - *Full Graduate Faculty*
Professor of Finance; B.S., University of Utah; Ph.D., University of Oregon. Rebel since 2013.
- McAllister, Daniel W.** - *Full Graduate Faculty*
Associate Professor; B.S., MBA, University of Utah; Ph.D., University of Washington. Rebel since 1982.
- Mejza, Michael** - *Full Graduate Faculty*
Associate Professor; B.A., University of Connecticut; MBA, Ph.D., University of Maryland. Rebel since 1998.

- Naylor, Gillian** - *Full Graduate Faculty*
Associate Professor; B.A., Washington State University; MBA, Eastern Washington State University; Ph.D., University of Arizona. Rebel since 1996.
- Nil, Alexander** - *Full Graduate Faculty*
Professor; M.A., Ludwig-Maximilian University; D.B.A., Ph.D., University of Innsbruck. Rebel since 1999.
- Oh, Won-Young** – *Full Graduate Faculty*
Assistant Professor; B.S., Yonsei University, South Korea; MBA, Seoul National University, South Korea; Ph.D., University of Kansas. Rebel since 2017.
- Pomirleanu, Nadia** - *Full Graduate Faculty*
Associate Professor; B.S., Academy of Economic Studies; Ph.D., University of Central Florida. Rebel since 2009.
- Poon, Percy** - *Full Graduate Faculty*
Associate Professor; Honors Diploma, Hong Kong Baptist College; MBA, Southwest Texas State University; Ph.D., Louisiana State University. Rebel since 1989.
- Schibrowsky, John** - *Full Graduate Faculty*
Professor; B.S., University of Wisconsin-Superior; MBA, University of Northern Iowa; Ph.D., University of Wisconsin-Madison. Rebel since 1988.
- Seale, Darryl Anthony** - *Full Graduate Faculty*
Professor; B.S., California State University, Chico; MBA, Pennsylvania State University; M.A., Ph.D., University of Arizona. Rebel since 1999.
- Sullivan, Michael J.** - *Full Graduate Faculty*
Professor; B.S., St. John Fisher College; MBA, University of Florida; Ph.D., Florida State University. Rebel since 1991.
- Tan, Keah-Choon** - *Full Graduate Faculty*
Professor; B.S., MBA, University of South Alabama; Ph.D., Michigan State University. Rebel since 1998.
- Thistle, Paul D.** - *Full Graduate Faculty*
Professor; B.B.A., University of Portland; M.S., Ph.D., Texas A & M University. Rebel since 1999.
- Wang, Sheng (Monica)** - *Full Graduate Faculty*
Associate Professor; Ph.D., Ohio State University Main Campus; MLHR, Ohio State University Main Campus. Rebel since 2005.
- Wisner, Joel D.** - *Full Graduate Faculty*
Professor; B.S., New Mexico State University; MBA, West Texas State University; Ph.D., Arizona State University. Rebel since 1991.
- Zhang, Jianzhong (Andrew)** - *Full Graduate Faculty*
Associate Professor; B.S., Xiamen University; M Economics, Nankai University; MBA, University of Louisiana Monroe; Ph.D., University of Arizona. Rebel since 2008.
- Li, Yong**
Professor, MBA, University of Queensland;
Ph.D. University of Illinois at Urbana
Champaign. Rebel since 2019.
- Professors Emeriti**
- Clauretie, Terrence M.**
Emeritus Professor; B.A., Stonehill College; Ph.D., Washington State University. UNLV Emeritus 1988.
- Corney, William J.**
Emeritus Professor; B.S.E.E., University of Michigan; M.B.A., Eastern Michigan University; D.B.A., Arizona State University. UNLV Emeritus 1976.

Dandurand, Lawrence

Emeritus Professor; B.S.B., University of Minnesota; M.A., Mankato State College; Ph.D., University of Missouri. UNLV Emeritus 1973.

Gilbert, Joseph T. - Full Graduate Faculty

Associate Professor; B.A., M.A., St. Louis University; Ph.D., University of Southern California. Rebel since 1991.

Hames, David S. - Full Graduate Faculty

Associate Professor; B.A., Albion College; M.A., Michigan State University; Ph.D., University of North Carolina, Chapel Hill. Rebel since 1989.

Leong, Keong - Full Graduate Faculty

Professor; B.S., University of Malaysia; M.B.A., University of South Carolina; Ph.D., University of South Carolina. Rebel since 2001.

Newbould, Gerald D.

Emeritus Professor; B.Com., University of Birmingham; M.A., University of Sheffield; Ph.D., University of Liverpool. UNLV Emeritus 1988.

Pinney, J. Kent

Emeritus Professor; B.A., University of Utah; MBA, D.B.A., Indiana University. UNLV Emeritus 1973-1988.

Richards, Clinton H.

Emeritus Professor; B.S., M.B.A, Ph.D., University of Kansas. UNLV Emeritus 1977

Plans

Graduate Certificate in Business Administration

Executive Master of Business Administration

Master of Business Administration

Dual Degree: Master of Business Administration & Doctor of Dental Medicine

Dual Degree: Master of Business Administration & Master of Science - Hotel Administration

Dual Degree: Master of Business Administration & Juris Doctor

Dual Degree: Master of Business Administration & Master of Science - Management Information Systems

Dual Degree: Master of Business Administration & Master of Science - Quantitative Finance

Graduate Certificate in Business Administration

This program is accredited by: AACSB. More information can be found at: unlv.edu/provost/vpaa/accreditation

Plan Description

The Lee Business School MBA Programs office recognizes that many potential business students who have completed their Bachelor's degrees or equivalent may like to obtain advanced knowledge in business administration and are unable to commit to a full MBA degree program. The Graduate Certificate in Business Administration (GCBA) demonstrates the individual's desire to master his/her professional field and seek new knowledge about business administration. To earn this

certificate, students must complete five core, functional business areas. These areas pertain to accounting, economics, finance, management, and marketing. All coursework from this GCBA can be applied toward an MBA, should students choose to pursue an MBA at the Lee Business School in the future.

For more information about your program, including your graduate program handbook and learning outcomes, please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

All potential business students who have completed their Bachelor's degrees or equivalent or those in good standing in any graduate program on the UNLV campus are automatically eligible to apply to GCBA program.

All applicants must review and follow the Graduate College Admission and Registration Requirements.

To apply, students are asked to include:

1. A resume.
2. A statement of intent explaining the reason for applying.
3. Two letters of recommendation.
4. Transcripts for all completed degrees.
5. GMAT and/or GRE scores (optional).

Students are accepted into a certificate program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

Total Credits Required: 15

Course Requirements

Required Courses – Credits: 15

Complete the following five courses:

- MBA 761 - Accounting for Managers
- MBA 763 - Leadership, Teams, and Individuals
- MBA 765 - Financial Decision Making
- MBA 767 - Market Opportunity Analysis
- MBA 769 - Applied Economic Analysis

Certificate Requirements

1. Completion of a minimum of 15 credit hours.
2. A grade point average of at least 3.00 for course work required for the certificate.
3. No grade lower than C is acceptable.

Plan Certificate Completion Requirements

1. Accepted students must maintain an overall GPA of

3.0. Certificates will be awarded upon the student's successful completion of all certificate requirements.

2. The student must submit all required forms to the Graduate College and then apply for graduation in MyUNLV by the appropriate deadline.

Executive Master of Business Administration

This program is accredited by: AACSB. More information can be found at: unlv.edu/provost/vpaa/accreditation

Plan Description

The Executive Master's in Business Administration (EMBA) program of study offers an integrated blend of theory and practice and provides a general management emphasis that fosters the professional growth of mid- and upper-level career executives. It provides opportunities for integrating professional experiences with academic management curriculum.

The program is designed to provide a holistic educational experience. Courses are sequenced to assure continuity in learning. Through a lock-step format and an innovative curriculum, a group of highly motivated students are placed in a collaborative, proactive, integrative, and team oriented learning environment.

The students go through the program as a cohort, with the course schedule set at the beginning of the cohort's program. Students complete the program in 18 months. Classes typically meet every other Friday and Saturday. All students complete the program as a group. This provides a unique cohort experience that enhances teamwork throughout the program.

For more information about your program, including your graduate program handbook and learning outcomes, please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

The student must satisfy the minimum requirements of the Graduate College and the EMBA program. The candidate must meet the following requirements:

1. Submission of completed application form and the required \$100 nonrefundable application fee.
2. Submission of official transcripts of all college-level course work previously taken and evidence of having been awarded the equivalent of a U.S. bachelor's degree from an accredited college or university with an overall undergraduate grade point average of at least 2.75 on the four-point scale.
3. Official results of the Executive Assessment or GMAT test. Applicants may indicate test scores and date

taken on the application or indicate the expected exam date; however, official copies of the GMAT scores must be submitted to the Lee Business School EMBA Program Office.

4. Evidence of 7 or more years of work experience, a minimum of 3 years management experience.
5. Two letters of recommendation, at least one from the applicant's current or previous employer and one from someone who can evaluate the applicant's potential for success in a graduate degree program.
6. Resume.
7. Statement of Intent – In two to three pages, describe why you believe you are the ideal EMBA candidate, how the program fits into your career and/or personal goals, and what skills and talents you possess that will benefit the cohort.
8. A personal interview.

All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.

All entering students are required to have competency in two areas. First, the applicant must be skilled in the use of word processing and spreadsheet programs. Second, the applicant must possess strong mathematical skills through college algebra. It is the applicant's responsibility to provide satisfactory evidence of these skills.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

Total Credits Required: 43

Course Requirements

Required Courses – Credits: 40

- EMBA 701 - Leadership and Team Effectiveness
- EMBA 702 - Laws, Regulations and Ethics
- EMBA 703 - Microeconomic Analysis for Business Decision Making
- EMBA 704 - Technology Innovation: Theory and Practice
- EMBA 705 - Applied Statistics
- EMBA 707 - Financial Accounting for Managers
- EMBA 708 - Global and Macroeconomic Environment for Business
- EMBA 709 - Organization Behavior
- EMBA 710 - Business Finance
- EMBA 711 - Managerial Accounting
- EMBA 712 - Seminar in Financial Management

- EMBA 713 - Principles of Marketing Strategy
- EMBA 714 - Management of Entrepreneurial Organizations
- EMBA 715 - Strategic Management: Business Strategy and Corporate Strategy
- EMBA 716 - International Business
- EMBA 717 - Negotiations and Conflict Resolution
- EMBA 719 - Executive Assessment and Development
- EMBA 722 - Service Operations
- EMBA 723 - Applied Strategic Marketing

Capstone Course – Credits: 3

- EMBA 720 - International Seminar

Degree Requirements

1. The candidates must successfully complete the 43 credits of required EMBA courses.
2. The content of the courses is customized to meet the need of executives. Classes generally meet on Friday and Saturday every other weekend. Classes are from 8:30 a.m. to 12:30 p.m. and 1:30 p.m. to 5:30 p.m. each day. Students must be able to make a commitment to attend all classes.
3. Each cohort takes an international trip. The International Seminar requires students to learn about the culture and business practices of the countries to be visited.
4. The academic performance of students is reviewed on a regular basis. If it is determined that a student is not making satisfactory progress toward meeting degree requirements, or if the student's overall GPA falls below 3.00, the student will be placed on probation. Conditions and deadlines for the removal of probation will be specified. Failure to meet the conditions will result in separation from the EMBA program. Graduation requires a minimum overall GPA of 3.00.
5. Withdrawing from a class is considered as being unsuccessful in that course and in the program and will result in dismissal from the program. A student who, due to extraordinary circumstances, is forced to withdraw from a course, and is subsequently dismissed from the program, may appeal to the Director of the EMBA Program.
6. Students who do not successfully complete a course in their EMBA program may replace the course with a similar course taken from the regular MBA program at UNLV or with another EMBA cohort at UNLV. The substitution requires the approval of the Director of the EMBA Program in the Lee Business School and is discouraged. Substitution will be possible only under the most unusual circumstances. In no case may

more than two courses be substituted.

Plan Graduation Requirements

The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.

Master of Business Administration

This program is accredited by: AACSB. More information can be found at: unlv.edu/provost/vpaa/accreditation

Plan Description

The Lee Business School MBA Programs at UNLV is designed for those who seek global career and leadership opportunities. The world is changing quickly and today's business leaders are faced with new challenges in a complex business environment supported by new communication technologies and organizational structures. Success in the new global marketplace requires teams of executives working across functions and across borders.

The MBA programs at UNLV prepare students to succeed in today's business environment by providing them with the needed skills, knowledge, and tools to become visionary and creative leaders. The program focuses on ethics and critical thinking, business communications, the role of the firm and its goals and markets, firms' strategic planning and positioning, supply chain management, international business culture, information technology, leadership, and teamwork. Our faculty and administration are committed to fulfilling the recently revised college mission: to advance the knowledge and practice of the disciplines that constitute business and administration and to foster the intellectual and economic vitality of Nevada and the Intermountain Region through teaching, research, and outreach. Our faculty are committed to continuous quality improvement of the curriculum. To achieve the best outcome, the faculty embrace no single teaching method, but rather employ a combination of methods best suited to the particular objectives of the course. Lectures, group discussions, seminars, case studies, computer simulations, and individual and group research projects are frequently used within courses and across the curriculum.

MBA Program Highlights

- Hybrid format of the General MBA provides students with the benefits of online (e.g., less driving to/from campus, flexibility with jobs/travel) while also realizing the benefits of face-to-face learning (community, LEE events, and networking with the professors, staff, and students).
- A holistic approach to business management starts with the role of the firm, its goals and markets, its strategic planning and positioning, and supply chain management.

- The explicit emphasis on a framework for the analysis of ethical issues and critical thinking.
- A greater emphasis on international studies through a specific course in international business and cross-cultural perspective and a greater internationalization of other courses
- An evening MBA Program accommodating the needs of both full-time and part-time students by allowing students to complete their degree at a pace that fits their personal schedule.
- Students can take 2, 3 or 4 courses per semester enabling them to finish in the time frame of their choice. The cohort experience enables students to bond and network with each other in the program.
- Up to nine hours of electives provide greater flexibility in tailoring programs of study to each student's needs and interests.

Transfer Credit and Core Course Waiver Policy

Up to 12 graduate credit hours may be transferred if taken at AACSB accredited business schools within the last 5 years and a grade of B (3.00) or better is achieved. Graduate work taken pass/fail is not transferable toward the MBA degree. This transfer credit is limited by the requirement that a student must take a minimum of 30 credit hours of graduate classes from the UNLV Lee Business School to earn an MBA degree. Requests for transfer course work must be evaluated and approved by the MBA Director after the student is officially admitted.

Leave of Absence, Probation, and Suspension

Student academic performance is reviewed twice a year. Admitted students must enroll for courses every semester, excluding Summer Term, and must complete at least 6 credit hours every year. A leave of absence can be granted for up to one or two academic year(s) with prior approval from the MBA Director and Graduate College. A student will be placed on probation if it is determined that a student is not making satisfactory progress toward meeting degree requirements or if the student's overall MBA program GPA falls below 3.00. Conditions and deadlines for the removal of probation will be specified. Failure to meet the conditions will result in separation from the MBA program.

Students interested in the MBA program may also be interested in the programs listed below:

Business Administration & Dental Medicine Dual M.B.A./D.M.D.

Business Administration & Hotel Administration Dual M.B.A./M.S.

Business Administration & Juris Doctor Dual M.B.A./J.D.

Business Administration & Management Information Systems Dual M.B.A./M.S.

Business Administration Executive M.B.A.

For more information about your program, including your graduate program handbook and learning outcomes please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

The Lee Business School MBA Program welcomes applications from college graduates in all disciplines. Applicants must hold a bachelor's degree from an accredited college or university. Graduates from all majors are encouraged to apply. Applicants are evaluated based upon proven scholastic ability, performance on the Graduate Management Admission Test (GMAT), maturity, motivation, leadership, communication skills, and possess the interest and ability to assume business leadership responsibilities.

MBA 741 – Internship (3 credits) is required for students without relevant business work experience. This requirement may be waived at the student's request and with proof of relevant work experience.

The Application Process

Admission to the graduate business program is conducted by the Lee Business School MBA Programs and the UNLV Graduate College. Please note that the responsibility of obtaining and submitting the application material, transcripts, test scores, and other necessary information rests upon the applicant. In addition, international students must provide proof of English proficiency if the student's degree is from an institution where English is not the language of instruction.

Refer to the Graduate College Admission & Registration Information contained in this catalog for a complete description of materials and processes required for admission consideration.

Application

Application to the MBA and Dual Programs requires the following documentation:

- Official results of the GMAT test. You may indicate your test score and date taken on the application or indicate your expected exam date; however, official copies of the GMAT scores must be submitted to the Lee Business School MBA Programs Office.
- A copy of the applicant's current resume.
- Two letters of recommendation, academic or professional, from persons competent to judge the applicant's potential to pursue graduate work successfully.
- A one to two-page statement of purpose.
- Evidence of a minimum of two years of relevant work experience preferred.

- Evidence (official transcript) of an undergraduate Grade Point Average (GPA) of 3.00, or higher, on a four-point scale.
- With the exception of the GMAT, the required materials listed above are to be uploaded into the Graduate College online application. The MBA program does not require a separate application.

Graduate Management Admission Test

Preference will be given to applicants who meet the Graduate Management Admission Test (GMAT) score of 550 or higher with each component over the 25th percentile. The test score should be reflective of both, verbal and quantitative aptitude. GMAT scores over five years old are not considered. Students may substitute an equivalent GRE score for the GMAT requirement. MBA Programs Office will use ETS official webpage, GRE® Comparison Tool for Business Schools, to convert GRE scores to GMAT. A preferred score of 550 or higher on the GMAT or an equivalent score on the GRE is required for full admission. The average score of accepted students over the last two years is about 600. The computer-adaptive GMAT is offered on a continuous basis by appointment at one of approximately 400 locations throughout North America. For further information contact:

Graduate Management Admission Test

1-800-717-GMAT (4628)

website: www.mba.com

e-mail: GMATCandidateServicesAmericas@perason.com

Test Waiver Policy

The GMAT/GRE is waived for applicants who meet one of the following conditions: (1) Hold accredited** doctorate-level terminal degrees such as Ph. D., JD, MD, DMD, DDS, Pharmacy Doctorate, and DVM. (2) Currently attending a doctorate-level terminal degree program at UNLV. (AACSB accreditation for business programs; LCME or COCA for medical programs; ABA for law programs; ABET for engineering, computer science, and information systems programs; others on a case-by-case basis. Any online doctorate degree is excluded.)

Applicants with demonstrated potential, a strong undergraduate academic record, and a strong GMAT score are admitted with graduate standing. Students may be considered for admission on a provisional basis if their undergraduate academic record and/or GMAT score are not sufficiently strong to be considered for full graduate standing. Applicants with a GPA of less than 3.00 but not lower than 2.75, OR a GMAT score less than 550 but not lower than 520, with each component over the 25th percentile, may be considered for provisional admission. A graduate provisional student must complete the first nine credit hours of core courses taken in the program. The courses are approved in advance and are listed on the "Letter of Admission." The student must complete this course work within the first two consecutive enrollment periods (excluding Summer Term) and earn individual

grades of B (3.00) or above (B- is not acceptable) before any other additional course work may be taken. Failure to complete this course work in the allotted time, or any grades less than B, will result in cancellation of the student's admission. Upon completion of the nine hours with grades of B or better, the Lee Business School will recommend to the Graduate College that the student be given graduate standing status. The Graduate College will then change the student's status to graduate standing.

Prior to their first semester in the program, all admitted students are required to attend a noncredit orientation program.

All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

See Subplan Requirements below.

Subplan 1 Requirements: Finance Concentration Track

Subplan 2 Requirements: General MBA - Hybrid Format Track

Subplan 3 Requirements: Human Resources Management Track

Subplan 4 Requirements: Management Information Systems Track

Subplan 5 Requirements: Marketing Track

Subplan 6 Requirements: New Venture Management Concentration Track

Subplan 7 Requirements: Health Care Management Track

Subplan 1: Finance Track

Total Credits Required: 42

Course Requirements

Required Courses – Credits: 18

- MBA 761 - Accounting for Managers
- MBA 763 - Leadership, Teams, and Individuals
- MBA 765 - Financial Decision Making
- MBA 767 - Market Opportunity Analysis
- MBA 769 - Applied Economic Analysis
- MBA 775 - Data Modeling and Analysis

Finance Concentration– Credits: 12

Complete 12 credits of graduate-level Finance (FIN) electives.

Electives – Credits: 9

Complete 9 credits of electives from any 700-level course offered by the Lee Business School. Also students can take up to six credits, 2 courses, that are 600-level courses offered by the Lee Business School.

Capstone Course – Credits: 3

- MBA 787 - Strategic Management

Degree Requirements

1. The MBA degree requires a minimum of 42 credit hours of approved course work.
2. All requirements listed above must be completed successfully as defined by the Lee Business School and the Graduate College. All required courses are sequenced so students may acquire the tools and skill they need for success in the program.

Subplan 2: General MBA - Hybrid Format Track

Total Credits Required: 42

Course Requirements

Required Courses – Credits: 18

- MBA 761 - Accounting for Managers
- MBA 763 - Leadership, Teams, and Individuals
- MBA 765 - Financial Decision Making
- MBA 767 - Market Opportunity Analysis
- MBA 769 - Applied Economic Analysis
- MBA 775 - Data Modeling and Analysis

Electives – Credits: 21

Complete 21 credits of electives from any 700-level course offered by the Lee Business School. Also students can take up to six credits, 2 courses, that are 600-level courses offered by the Lee Business School.

Capstone Course – Credits: 3

- MBA 787 - Strategic Management

Degree Requirements

1. The MBA degree requires a minimum of 42 credit hours of approved course work.
2. All requirements listed above must be completed successfully as defined by the Lee Business School and the Graduate College. All required courses are sequenced so students may acquire the tools and skill they need for success in the program.

Subplan 3: Human Resources Management Track

Total Credits Required: 42

Course Requirements

Required Courses – Credits: 18

- MBA 761 - Accounting for Managers
- MBA 763 - Leadership, Teams, and Individuals
- MBA 765 - Financial Decision Making

- MBA 767 - Market Opportunity Analysis
- MBA 769 - Applied Economic Analysis
- MBA 775 - Data Modeling and Analysis

Human Resources Management Concentration– Credits: 12

- MGT 711 - Seminar in Negotiation
- MGT 712 - Change Management
- MGT 740 - Effective and Applied Human Resources Management
- MGT 745 - Contemporary Topics in Human Resource Management

Electives – Credits: 9

Complete 9 credits of electives from any 700-level course offered by the Lee Business School. Also students can take up to six credits, 2 courses, that are 600-level courses offered by the Lee Business School.

Capstone Course – Credits: 3

- MBA 787 - Strategic Management

Degree Requirements

1. The MBA degree requires a minimum of 42 credit hours of approved course work.
2. All requirements listed above must be completed successfully as defined by the Lee Business School and the Graduate College. All required courses are sequenced so students may acquire the tools and skill they need for success in the program.

Subplan 4: Management Information Systems Track

Total Credits Required: 42

Course Requirements

Required Courses – Credits: 18

- MBA 761 - Accounting for Managers
- MBA 763 - Leadership, Teams, and Individuals
- MBA 765 - Financial Decision Making
- MBA 767 - Market Opportunity Analysis
- MBA 769 - Applied Economic Analysis
- MBA 775 - Data Modeling and Analysis

Management Information Systems Concentration– Credits: 12

Complete 12 credits of graduate-level Management Information Systems (MIS) electives.

Electives – Credits: 9

Complete 9 credits of electives from any 700-level course offered by the Lee Business School. Also students can take up to six credits, 2 courses, that are 600-level courses offered by the Lee Business School.

Capstone Course – Credits: 3

- MBA 787 - Strategic Management

Degree Requirements

1. The MBA degree requires a minimum of 42 credit hours of approved course work.
2. All requirements listed above must be completed successfully as defined by the Lee Business School and the Graduate College. All required courses are sequenced so students may acquire the tools and skill they need for success in the program.

Subplan 5: Marketing Track

Total Credits Required: 42

Course Requirements

Required Courses – Credits: 18

- MBA 761 - Accounting for Managers
- MBA 763 - Leadership, Teams, and Individuals
- MBA 765 - Financial Decision Making
- MBA 767 - Market Opportunity Analysis
- MBA 769 - Applied Economic Analysis
- MBA 775 - Data Modeling and Analysis
- Marketing Concentration – Credits: 12

Required Courses – Credits: 6

- MKT 720 - International Marketing Research
- MKT 777 - Services Marketing
- Select 2 of the following courses – Credits: 6
- MKT 725 - Global Consumer Behavior
- MKT 737 - New Service and Product Development
- MKT 747 - Global Digital Marketing Strategies
- MKT 757 - Strategic Database Marketing

Electives – Credits: 9

Complete 9 credits of electives from any 700-level course offered by the Lee Business School. Also students can take up to six credits, 2 courses, that are 600-level courses offered by the Lee Business School.

Capstone Course – Credits: 3

- MBA 787 - Strategic Management

Degree Requirements

1. The MBA degree requires a minimum of 42 credit hours of approved course work.
2. All requirements listed above must be completed successfully as defined by the Lee Business School and the Graduate College. All required courses are sequenced so students may acquire the tools and skill they need for success in the program.

Subplan 6: New Venture Management Track

Total Credits Required: 42

Course Requirements

Required Courses – Credits: 18

- MBA 761 - Accounting for Managers
- MBA 763 - Leadership, Teams, and Individuals
- MBA 765 - Financial Decision Making
- MBA 767 - Market Opportunity Analysis
- MBA 769 - Applied Economic Analysis
- MBA 775 - Data Modeling and Analysis
- New Venture Management Concentration – Credits: 12
- MGT 709 - New Venture Feasibility
- MGT 710 - New Venture Creation
- MGT 711 - Seminar in Negotiation
- MGT 712 - Change Management

Electives – Credits: 9

Complete 9 credits of electives from any 700-level course offered by the Lee Business School. Also students can take up to six credits, 2 courses, that are 600-level courses offered by the Lee Business School.

Capstone Course – Credits: 3

- MBA 787 - Strategic Management

Degree Requirements

1. The MBA degree requires a minimum of 42 credit hours of approved course work.
2. All requirements listed above must be completed successfully as defined by the Lee Business School and the Graduate College. All required courses are sequenced so students may acquire the tools and skill they need for success in the program.

Subplan 7: Health Care Management Track

Total Credits Required: 42

Course Requirements

Required Courses – Credits: 18

- MBA 761 - Accounting for Managers
- MBA 763 - Leadership, Teams, and Individuals
- MBA 765 - Financial Decision Making
- MBA 767 - Market Opportunity Analysis
- MBA 769 - Applied Economic Analysis
- MBA 775 - Data Modeling and Analysis

Health Care Management Concentration – Credits: 12

Required Course – Credits: 3

- HCA 701 - U.S. Health Care System: Programs and Policies

Elective Courses – Credits: 9

Complete 9 credits from the following list of courses:

- HCA 703 - Management of Health Service Organizations and Systems
- HCA 716 - Health Care Accounting and Finance
- HCA 718 - Health Care Economics
- HCA 719 - Operations and Quality Management of Health Services
- HCA 720 - Information Systems in Health Services Management
- HCA 730 - Strategic Management of Health Services
- HCA 761 - Health Care Law and Ethics for Managers

Electives – Credits: 9

Complete 9 credits of electives from any 700-level course offered by the Lee Business School. Also, students can take up to six credits, 2 courses, that are 600-level courses offered by the Lee Business School.

Capstone Course – Credits: 3

- MBA 787 - Strategic Management

Degree Requirements

1. The MBA degree requires a minimum of 42 credit hours of approved course work.
2. All requirements listed above must be completed successfully as defined by the Lee Business School and the Graduate College. All required courses are sequenced so students may acquire the tools and skill they need for success in the program.

Plan Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
2. Successfully complete the capstone course.

Dual Degree: Master of Business Administration & Doctor of Dental Medicine

Plan Description

The University of Nevada, Las Vegas School of Dental Medicine and the Lee Business School offer a dual Doctorate of Dental Medicine (DMD) and Master of Business Administration (MBA) degree program that allows students to be admitted in both programs and achieve the DMD and MBA degrees. As a concurrent program, the dual degree requires that students satisfy the degree requirements of both programs. The dual Master of Business Administration and Doctorate of Dental Medicine (MBA and DMD) program is designed for those who seek career and business leadership opportunities in the field of dentistry. Students will receive two degrees, an MBA and a DMD.

The MBA degree at the Lee Business School requires 42 credit hours. Under the dual degree program 12 credit hours of dental courses are accepted towards the MBA degree.

For more information about your program, including your graduate program handbook and learning outcomes please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

Applicants to the DMD/MBA program must submit formal applications for admission to both the School of Dental Medicine and to the Lee Business School. Students must meet the requirements for admission to both programs. Admissions requirements are the same as those stated under the DMD and MBA programs. Contact the UNLV School of Dental Medicine and the Lee Business School MBA programs for further information on admissions requirements. Applications from current students in either program will be considered. Entry into the MBA program for students from the School of Dental Medicine will be no earlier than the fall semester of year two of the dental curriculum. However, petitions requesting admission to the dual DMD/MBA program from students at more advanced stages will be considered.

All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

Total Credits Required: 216

Course Requirements

Total Credits Required for the Business Administration M.B.A.: 30

MBA Core Required Courses – Credits: 18

- MBA 761 - Accounting for Managers
- MBA 763 - Leadership, Teams, and Individuals
- MBA 765 - Financial Decision Making
- MBA 767 - Market Opportunity Analysis
- MBA 769 - Applied Economic Analysis
- MBA 775 - Data Modeling and Analysis

Electives – Credits: 9

Complete 9 credits of electives from any 700-level course offered by the Lee Business School.

Capstone Course – Credits: 3

- MBA 787 - Strategic Management

Total Credits Required for the Doctor of Dental Medicine: 186

Degree Requirements

Students must be admitted to both the DMD and MBA programs with graduate standing. The candidates must successfully complete the 186 credit hours of Dentistry and the 30 credit hours of the MBA required course work.

Furthermore:

1. UNLV School of Dental Medicine cannot award credit for any class taken before matriculation.
2. A maximum of six credit hours of courses taken prior to admission to the DMD/MBA program may be applied towards the MBA degree requirement. This includes all courses taken as a fully admitted graduate MBA student at an AACSB accredited business school, as an admitted dental student at UNLV, or as a non-admitted student at UNLV before admission to the MBA program.
3. DMD/MBA candidates who subsequently decide to pursue only the DMD or only the MBA must complete the degree program in its entirety and are subject to the same rules and requirements as students not pursuing the DMD/MBA program.
4. DMD/MBA may not receive credit for taking courses outside their degree program except as set forth in this document and with prior approval.
5. Student honors and class ranks at the School of Dental Medicine will be computed based solely on dental classes. Student honors and class ranks at the Lee Business School will be computed based solely on business classes.
6. Students in the DMD/MBA program must remain in good standing at both DMD and MBA programs.

7. Students in the DMD/MBA program are subject to the same rules and regulations that apply to all students at the School of Dental Medicine and the Lee Business School.

8. The Lee Business School and the School of Dental Medicine reserve the right to limit participation in the program, including dismissal. Those interested are encouraged to submit a request for permission to participate in the program, along with applications for admission, at the earliest possible time.

Plan Graduation Requirements

1. Students cannot graduate from one portion of the dual degree until the requirements for both are met. Students must apply to graduate from both programs for the same semester.
2. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
3. Successful completion of the capstone course.

Dual Degree: Master of Business Administration & Master of Science - Hotel Administration

Plan Description

This is a dual degree offered by the Lee Business School in conjunction with the William F. Harrah College of Hospitality. The MBA/MS HOA study is designed for those who seek career and business leadership opportunities in hotel administration. The programs will provide students with the needed skills, knowledge, and tools to become visionary and creative business leaders in hotel administration. The core MBA program is designed to advance the knowledge and practice of business and administration. The MS – Hotel Administration portion of the dual degree is designed to provide the industry-specific knowledge and skills in hospitality and tourism. The program takes advantage of the natural learning environment that is created by the hospitality industry in Las Vegas economy, the entertainment capital of the world. Students will receive a two degrees, an MBA and a MS – Hotel Administration.

For more information about your program, including your graduate program handbook and learning outcomes, please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

The admission requirements for the dual degree are the same as those stated under the MBA and MS HOA programs. The only exception is that the dual MBA

program only accepts the GMAT for admission. All dual degree program applicants are required to show that they have at least one year of full-time management/supervisory experience or three years of cumulative full-time front-line experience in the hospitality industry.

Application Process

See the Application Process section under the MBA and the MS HOA programs. Applications will be reviewed by representatives of the Lee Business School and the William F. Harrah College of Hospitality in an independent process within each college. Applicants must be admitted to both the Lee Business School and the William F. Harrah College of Hospitality Administration to qualify for the dual degree program for that term.

Application Deadline

Refer to the Graduate College website for specific deadlines. All documentation and application materials must be received by the Graduate College, the William F. Harrah College of Hospitality Graduate Studies Office, and the Lee Business School by the deadline for the application to be considered.

All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

See Subplan Requirements below.

Subplan 1 Requirements: Thesis Track

Total Credits Required: 51

Course Requirements

Total Credits Required for the Business Administration M.B.A.: 30

MBA Core Required Courses – Credits: 18

- MBA 761 - Accounting for Managers
- MBA 763 - Leadership, Teams, and Individuals
- MBA 765 - Financial Decision Making
- MBA 767 - Market Opportunity Analysis
- MBA 769 - Applied Economic Analysis
- MBA 775 - Data Modeling and Analysis

Electives – Credits: 9

Complete 9 credits of electives from any 700-level course offered by the Lee Business School.

Capstone Course – Credits: 3

- MBA 787 - Strategic Management

Total Credits Required for the Hotel Administration M.S.: 21

Required Courses – Credits: 12

- HOA 705 - Financial Analysis for the Service Industries
- HOA 711 - Laws of Innkeeping and Food Service
- HOA 731 - Operational Analysis in Hospitality Management
- HOA 735 - Research Methodology

Elective Course – Credits: 3

Students must complete an additional 3 hours of HOA graduate-level courses: (500, 600, or 700).

Thesis – Credits: 6

- HOA 789R - Thesis

Degree Requirements

1. Completion of a minimum of 30 credits of MBA courses and a minimum of 21 credits of HOA.
2. A grade point average of at least 3.00 for course work required for the degree.
3. No grade lower than C is acceptable.
4. Students with unsatisfactory progress toward the degree requirements are subject to dismissal. A student with a grade of C or lower in any of the required courses for the degree will be put on probation for one semester. Conditions and deadlines for the removal of probation will be specified. Failure to meet the condition will result in departure from the program. A student with two grades of C or lower will be dropped from the program.
5. In consultation with his/her advisor, a student will organize a thesis committee of at least three departmental members and a fourth member from outside the department, known as the Graduate College Representative. An additional committee member may be added at the student and department's discretion. Please see Graduate College policy for committee appointment guidelines.
6. In addition to the academic requirements, the Harrah Hospitality College encourages students to complete an internship during the summer term between their first year and second year in the program. International students must receive approval to be on CPT before starting an internship experience. All internships must be secure directly by the student and carries no academic credit. Some students who did not complete any internships during their undergraduate studies or have no prior work experience in the hospitality industry may have a conditional requirement to complete an internship, which was documented at the time of admission into the program.

Graduation Requirements

1. Students cannot graduate from one portion of the dual degree until the requirements for both are met. Students must apply to graduate from both programs for the same semester.
2. The student must submit all required forms to the Graduate College and then apply for graduation from both degrees up to two semesters prior to completing his/her degree requirements.
3. The student must successfully complete the MBA capstone course.
4. The student must submit and successfully defend his/her thesis by the posted deadline. The defense must be advertised and is open to the public.
5. After the thesis defense, the student must electronically submit a properly formatted pdf copy of their thesis to the Graduate College for format check. Once the thesis format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for thesis defenses, format check submissions, and the final ProQuest submission can be found here.

Subplan 2 Requirements: Professional Paper Track

Total Credits Required: 51

Course Requirements

Total Credits Required for the Business Administration M.B.A.: 30

MBA Core Required Courses – Credits: 18

- MBA 761 - Accounting for Managers
- MBA 763 - Leadership, Teams, and Individuals
- MBA 765 - Financial Decision Making
- MBA 767 - Market Opportunity Analysis
- MBA 769 - Applied Economic Analysis
- MBA 775 - Data Modeling and Analysis

Electives – Credits: 9

Complete 9 credits of electives from any 700-level course offered by the Lee Business School.

Capstone Course – Credits: 3

- MBA 787 - Strategic Management

Total Credits Required for the Hotel Administration M.S.: 21

Required Courses – Credits: 12

- HOA 705 - Financial Analysis for the Service Industries
- HOA 711 - Laws of Innkeeping and Food Service
- HOA 731 - Operational Analysis in Hospitality Management

- HOA 735 - Research Methodology

Elective Course – Credits: 6

Students must complete an additional 6 hours of HOA graduate-level courses: (500, 600, or 700).

Professional Paper – Credits: 3

- HOA 788R - Professional Paper

Degree Requirements

1. Completion of a minimum of 30 credits of MBA courses and a minimum of 21 credits of HOA.
2. A grade point average of at least 3.00 for course work required for the degree.
3. No grade lower than C is acceptable.
4. Students with unsatisfactory progress toward the degree requirements are subject to dismissal. A student with a grade of C or lower in any of the required courses for the degree will be put on probation for one semester. Conditions and deadlines for the removal of probation will be specified. Failure to meet the condition will result in departure from the program. A student with two grades of C or lower will be dropped from the program.
5. The Hotel Administration portion of the dual degree program requires successful completion of a professional paper that must adhere to the standards in the American Psychological Association's current publication manual regarding writing style and format. This paper must be completed at the end of the dual program.
6. In addition to the academic requirements, the Harrah Hospitality College encourages students to complete an internship during the summer term between their first year and second year in the program. International students must receive approval to be on CPT before starting an internship experience. All internships must be secure directly by the student and carries no academic credit. Some students who did not complete any internships during their undergraduate studies or have no prior work experience in the hospitality industry may have a conditional requirement to complete an internship, which was documented at the time of admission into the program.

Graduation Requirements

1. Students cannot graduate from one portion of the dual degree until the requirements for both are met. Students must apply to graduate from both programs for the same semester.
2. The student must submit all required forms to the Graduate College and then apply for graduation from both degrees up to two semesters prior to completing his/her degree requirements.
3. The student must successfully complete a professional paper and the MBA capstone course.

Plan Graduation Requirements

Refer to your subplan for Graduation Requirements.

Dual Degree: Master of Business Administration & Juris Doctor

Plan Description

The William S. Boyd School of Law and the Lee Business School offer a dual Juris Doctor (JD) and Master of Business Administration (MBA) degree program that allows students to be admitted in both programs and achieve the JD and MBA degrees simultaneously. As a concurrent program, the dual degree requires that students satisfy the degree requirements of both programs. The JD/MBA dual degree requires 80 Law credit hours and 30 MBA credit hours. Under the dual degree program 12 credit hours of Law courses are accepted towards the MBA degree and nine credit hours of MBA courses are accepted towards the JD degree.

For more information about your program, including your graduate program handbook and learning outcomes, please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

Applicants to the JD/MBA program must submit formal applications for admission to both the William S. Boyd School of Law and to the Graduate College. Students must meet the requirements for admission to both programs. Admission requirements are the same as those stated under the regular JD and MBA programs. For information on the MBA program application procedures, interested individuals should contact the Lee Business School-MBA Program at (702) 895-3655 or go to <http://business.unlv.edu> or the William S. Boyd School of Law at (702) 895-2440 or go to <http://www.law.unlv.edu>

While applications from current students in either program will be considered, students normally should seek and satisfy admission to enter both programs upon entering the university. However, petitions requesting admission to the dual JD/MBA program from students at more advanced stages in either program will be considered.

All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

Total Credits Required: 110

Course Requirements

Total Credits Required for the Business Administration M.B.A.: 30

MBA Core Required Courses – Credits: 18

- MBA 761 - Accounting for Managers
- MBA 763 - Leadership, Teams, and Individuals
- MBA 765 - Financial Decision Making
- MBA 767 - Market Opportunity Analysis
- MBA 769 - Applied Economic Analysis
- MBA 775 - Data Modeling and Analysis

Electives – Credits: 9

Complete 9 credits of electives from any 700-level course offered by the Lee Business School.

Capstone Course – Credits: 3

- MBA 787 - Strategic Management

Total Credits Required for the Juris Doctor: 80

Required Courses - 44 credits

Directed Electives - 18 credits

Free Electives - 18 credits

Degree Requirements

1. Students must be admitted to both the JD and MBA programs with graduate standing. The candidates must successfully complete the 80 credit hours of Law course work and 30 credit hours of the MBA required course work.
2. William S. Boyd School of Law cannot award credit for any class taken before matriculation. JD/MBA candidates must therefore enroll at the School of Law before taking any MBA courses to be counted toward the JD degree.
3. A maximum of six credit hours taken prior to admission to the JD/MBA program may be applied towards the MBA degree requirement. This includes all courses taken as a fully admitted graduate MBA student at an AACSB accredited business school, as an admitted law student at UNLV, or as a non-admitted student at UNLV before admission to the MBA program.
4. JD/MBA candidates who subsequently decide to pursue only the JD or only the MBA must complete the degree program in its entirety and subject to the same rules and requirements as students not pursuing the JD/MBA program. Because students must finish both programs to receive credit toward the JD/MBA, degrees will not be awarded until both programs are finished.
5. JD/MBA candidates must comply with the requirements for all students regarding the maximum amount of time for completion of a degree program. Law students have a maximum of 7 years to complete

the J.D. degree. The Graduate College imposes a six-year time limit for completion of a master's program.

6. JD/MBA candidates may not receive credit for taking courses outside their degree program without prior approval.
7. Student honors and class ranks at the William S. Boyd School of Law will be computed based solely on law classes. Student honors and class ranks at the Lee Business School will be computed based solely on classes taken as business classes.
8. Students in the JD/MBA program must remain in good standing at both JD and MBA programs.
9. Students in the JD/MBA program are subject to the same rules and regulations that apply to all students at the William S. Boyd School of Law and the Lee Business School.
10. The listing of courses does not constitute a binding commitment that the courses will be offered during the student's course of study or that the graduation requirements will remain unchanged.

Plan Graduation Requirements

Students cannot graduate from one portion of the dual degree until the requirements for both are met. However, for law students who add their MBA during the final year of their law program, they will graduate from their law program on schedule, but must complete their MBA program requirements within one year after graduating from law school.

The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.

Successful completion of the MBA capstone course.

Dual Degree: Master of Business Administration & Master of Science - Management Information Systems

Plan Description

The dual MBA and MS – MIS program of study is designed for those who seek career and business leadership opportunities in management information systems. The program will provide students with the needed skills, knowledge, and tools to become visionary and creative business leaders with strong competency in management information systems. The core MBA program is designed to advance the knowledge and practice of business and administration. The MS – MIS portion of the dual degree is designed to prepare graduates with a broad-based knowledge of information system design, development, implementation, evaluation, and maintenance.

The program includes 54-credits and the student will receive both, an MBA and an MS MIS degree. Each student completes a total of 24 credit hours in MIS courses and a total of 30 credit hours in MBA core courses with a

minimum GPA of 3.0. MBA courses are accepted as hours of elective towards the MS MIS degree. The program does not require a thesis.

For more information about your program, including your graduate program handbook and learning outcomes, please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

The admission requirements for the dual degree program are the same as each of the MBA and M.S. – Management Information Systems programs. Applicants must be admitted to each of the MBA and M.S. – Management Information Systems programs. Candidates have to apply to the MBA/MS – MIS Dual Degree program and meet the respective application requirements of each of the programs respectively.

All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

Total Credits Required: 54

Course Requirements

Total Credits Required for the Business Administration M.B.A.: 30

- MBA Core Required Courses – Credits: 18
- MBA 761 - Accounting for Managers
- MBA 763 - Leadership, Teams, and Individuals
- MBA 765 - Financial Decision Making
- MBA 767 - Market Opportunity Analysis
- MBA 769 - Applied Economic Analysis
- MBA 775 - Data Modeling and Analysis

Electives – Credits: 9

Complete 9 credits of electives from any 700-level course offered by the Lee Business School.

Capstone Course – Credits: 3

- MBA 787 - Strategic Management

Total Credits Required for the Management Information Systems M.S.: 24

Required Courses – Credits: 18

- MIS 744 - Information Systems Strategy
- MIS 746 - Information Systems Project Management

- MIS 762 - Systems Analysis, Modeling and Design
- MIS 764 - Technology and Innovation Management
- MIS 766 - Data Management
- MIS 781 - Client Project

Electives – Credits: 6

Complete 6 credits of electives from any 600/700-level course offered by the Lee Business School.

With approval of the MS – MIS program graduate coordinator, required MIS courses may be substituted with elective courses to avoid duplication of a student's previous course work and to address the needs of the student's specific career choice.

Degree Requirements

Completion of a minimum of 30 credit hours of MBA core courses and a minimum of 24 credits of MS – MIS courses.

A grade point average of at least 3.00 for course work required for the degree.

No grade lower than C is acceptable.

Students with unsatisfactory progress toward the degree requirements are subject to dismissal. A student with a grade of C or lower in any of the required courses for the degree will be put on probation for one semester. Conditions and deadlines for the removal of probation will be specified. Failure to meet the condition will result in departure from the program. A student with two grades of C or lower will be dropped from the program.

The MIS 781 course is the culminating course for the MS MIS portion of this dual degree. This course should be taken during the last year of the student's enrollment in this program.

Plan Graduation Requirements

Students cannot graduate from one portion of the dual degree until the requirements for both are met. Students must apply to graduate from both programs for the same semester.

The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.

Successful completion of the capstone course.

Dual Degree: Master of Business Administration & Master of Science - Quantitative Finance

Plan Description

The Lee Business School offers a dual Master of Business Administration (MBA) and Master of Science in Quantitative Finance (MSQF) degree program that allows students to be admitted in both programs and achieve

the MBA and MSQF degrees. As a concurrent program, the dual degree requires that students satisfy the degree requirements of both programs. This dual MBA/MSQF program is designed for those who seek to develop a solid understanding of business administration with a focus on advanced analytical skills in finance. The program will provide students with the needed skills, knowledge, and tools to become visionary and creative business leaders with strong competency in quantitative finance. Students will graduate from the program with two degrees, an MBA and an MSQF. The program includes 54 credits -- each student completes a total of 30 credit hours in MBA courses and a total of 24 credit hours in MSQF courses. The program does not require a thesis.

Both departments have a certain amount of electives based on the strengths of the dual. In technical terms, the MBA has 4 electives and Finance has 2 in comparison to their original programs. This still leaves students with a program with 9 credits per semester. In other words, since the purpose of the electives is to add breadth and depth to a program, with the dual program they can achieve the breadth and depth with electives across the programs. For the MBA, having a dual with Finance gives students the option to further specialize in Finance beyond the MBA content. For Finance, students leave with a broader array of options towards the professional market.

Plan Admission Requirements

Application deadlines

Applications are available on the UNLV Graduate College website.

The admission requirements for the dual degree program are the same as each of the MBA and MSQF programs. Applicants must be admitted to each of the MBA and MSQF programs. Candidates have to apply to the MBA/MSQF Dual Degree program and meet the respective application requirements of each of the programs respectively.

All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements. Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

Total Credits Required: 54

Course Requirements

Total Credits Required for the Business Administration M.B.A.: 30

MBA Core Required Courses – Credits: 18

- MBA 761 - Accounting for Managers
- MBA 763 - Leadership, Teams, and Individuals
- MBA 765 - Financial Decision Making

- MBA 767 - Market Opportunity Analysis
- MBA 769 - Applied Economic Analysis
- MBA 775 - Data Modeling and Analysis

Electives – Credits: 9

Complete 9 credits of electives from any 700-level course offered by the Lee Business School.

Capstone Course – Credits: 3

- MBA 787 - Strategic Management

Total Credits Required for the MSQF: 24

Required Courses – Credits: 15

- ECO 770 - Econometrics I, Statistical Modeling
- FIN 710 - Investment Management
- FIN 708 - Advance Corporate Finance
- FINQ 761 - Corporate Finance Modeling
- FINQ 762 - Investments Modeling

Electives – Credits: 6

Complete 6 credits with FINQ prefix.

Capstone Course - Credits: 3

- FINQ 773 - Capstone Project

Degree Requirements

Completion of a minimum of 30 credit hours of MBA core courses and a minimum of 24 credits of MSQF courses.

A grade point average of at least 3.00 for course work required for the degree.

No grade lower than C is acceptable.

Students with unsatisfactory progress toward the degree requirements are subject to dismissal. A student with a grade of C or lower in any of the required courses for the degree will be put on probation for one semester. Conditions and deadlines for the removal of probation will be specified. Failure to meet the condition will result in a departure from the program. A student with two grades of C or lower will be dropped from the program.

Plan Graduation Requirements

Students cannot graduate from one portion of the dual degree until the requirements for both are met. Students must apply to graduate from both programs for the same semester.

The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.

Successful completion of the capstone course.

Business Administration Courses

EMBA 701 - Leadership and Team Effectiveness Credits 2

Examines the role of leaders, why organizations use team-based processes, when to use teams, and how to organize teams. Teaches effective teamwork, team management and leadership. Includes: how to develop an effective team leader and member, the nature of organizational support appropriate for high performance and working with diverse teams. Prerequisites: Admission to the Executive MBA Program and approval of the Dean's Office.

EMBA 702 - Laws, Regulations and Ethics Credits 2

Explores legal, regulatory and ethical issues which affect managers in their practice of business. Legal systems, philosophical approaches and practical applications. Prerequisites: Admission to the Executive MBA Program and approval of the Dean's Office.

EMBA 703 - Microeconomic Analysis for Business Decision Making Credits 2

Uses economic analysis to understand crucial topics in business decision making, including: consumer behavior; supply and demand; choosing to input to minimize cost; product differentiation; firm behavior under different types of competition; pricing and advertising strategies; risk, uncertainty, and imperfect information; government regulation; labor issues; and mergers. Prerequisites: Admission to the Executive MBA Program and approval of the Dean's Office.

EMBA 704 - Technology Innovation: Theory and Practice Credits 2

This course provides an in-depth look into the potential impacts of existing and emerging information technologies on contemporary business models through lecture, case analysis, and interaction with industry guest speakers. Potential impacts for both new and existing businesses will be discussed. Prerequisites: Admission to the Executive MBA Program and approval of the Dean's Office.

EMBA 705 - Applied Statistics Credits 2

Effective business research and decision making with the aid of statistical analysis. Hands-on experience with computer spreadsheet software. Covers how to find, manage, analyze, interpret, and effectively present actual business and economic data. Prerequisites: Admission to the Executive MBA Program and approval of the Dean's Office.

EMBA 706 - Organizational Theory: Strategy Implementation Processes Credits 2

Effective implementation of organizational decisions and strategies. Draws on scholarly research in sociology, psychology, anthropology, and a wide variety of related social sciences. Executive-level overview of organization theory. Prerequisites: Admission to the Executive MBA Program and approval of the Dean's Office.

EMBA 707 - Financial Accounting for Managers Credits 2

Examines process which determines economic impact of organization activities. Performance measurement, recording, and reporting. Focuses on methods and procedures that lead to the preparation of financial statements and reports to external audiences. Prerequisites: Admission to the Executive MBA Program and approval of the Dean's Office.

EMBA 708 - Global and Macroeconomic Environment for Business Credits 2

Provides an understanding of macroeconomic conditions that impact firms operating in the global economy. Topics include aggregate demand and national income; business cycles; inflation; unemployment; interest rates; exchange rates; international trade in goods and capital; and

fiscal and monetary government policies. Prerequisites: Admission to the Executive MBA Program and approval of the Dean's Office.

EMBA 709 - Organization Behavior Credits 2

Important concepts and applications in management including motivation, leadership, group dynamics, organization design, decision making, strategic planning and organizational change. Special emphasis on analyzing leadership skills of others and improving leadership potential of participants. Prerequisites: Admission to the Executive MBA Program and approval of the Dean's Office.

EMBA 710 - Business Finance Credits 2

Examines the role of financial management in creating firm value. Covers fundamental business finance topics and the application of basic finance concepts for decision making in a business environment. Taught from the perspective of a senior-level manager. Prerequisites: Admission to the Executive MBA Program and approval of the Dean's Office.

EMBA 711 - Managerial Accounting Credits 2

Focus on the use and potential misuse of accounting data by managers. Provides a foundation for identifying and analyzing decision alternatives and evaluating success in accomplishing organizational goals. Prerequisites: Admission to the Executive MBA Program and approval of the Dean's Office.

EMBA 712 - Seminar in Financial Management Credits 2

Covers major financial management issues pertaining to a firm's operations. Taught primarily through case discussions and use of spreadsheets in financial analysis. Prerequisites: Admission to the Executive MBA Program and approval of the Dean's Office.

EMBA 713 - Principles of Marketing Strategy Credits 2

Designed to introduce executives to conceptual and analytical frameworks that inform the development and execution of marketing strategy. A blend of readings and case studies will be used to build fundamental knowledge of the discipline and simulate marketing strategy decision making. Prerequisites: Admission to the Executive MBA Program and approval of the Dean's Office.

EMBA 714 - Management of Entrepreneurial Organizations Credits 3

Examines issues involved in developing and managing entrepreneurial organizations. Topics include: why some firms fail while others succeed; stages of growth and organization effectiveness; and management systems in an entrepreneurial context, such as strategic planning, organizational development, and leadership. Prerequisites: Admission to the Executive MBA Program and approval of the Dean's Office.

EMBA 715 - Strategic Management: Business Strategy and Corporate Strategy Credits 3

Explores business strategies (cost leadership, differentiation, tacit collusion, and strategic alliances) and corporate strategies (vertical integration, diversification, merger and acquisition, and globalization strategies.) Economic theories of competition and cooperation. Includes case studies of firms which have successfully or unsuccessfully employed a variety of strategies. Prerequisites: Admission to the Executive MBA Program and approval of the Dean's Office.

EMBA 716 - International Business Credits 2

Problems and opportunities of business in a global context. Examines international economic, institutional, cultural and legal differences and analyzes their impact on business decisions including: product design, production and marketing, human resources strategy; investment analysis; financial strategy and risk management. May

be repeated to a maximum of two credits. Prerequisites: Admission to the Executive MBA Program and approval of the Dean's Office.

EMBA 717 - Negotiations and Conflict Resolution Credits 3

Examines the nature of conflict and the negotiation process as a tool for managing conflict. Includes preparing negotiations, negotiating strategies and tactics, organizing negotiating teams, coalition bargaining, the importance of individual difference variables, international issues, the role of third parties, and ethical issues. Prerequisites: Admission to the Executive MBA Program and approval of the Dean's Office.

EMBA 718 - Executive Decision Making: Strategy Formation Processes Credits 2

Explores classic cases and texts on organizational decision-making processes in order to improve participants' capacities to contribute to the effective manufacturing of organizational decisions. Prerequisites: Admission to the Executive MBA Program and approval of the Dean's Office.

EMBA 719 - Executive Assessment and Development Credits 1

Helps participants to be more capable of understanding and leading change. Includes framework of leadership competency grounded in paradoxical thinking. Leadership concepts presented. Leadership assessment completed for each participant. Prerequisites: Admission to the Executive MBA Program and approval of the Dean's Office.

EMBA 720 - International Seminar Credits 3

Includes problems and environment of international business, which require integrative analysis of these problems. Under faculty supervision, students visit selected international enterprises operating outside the United States and produce a written analysis including specific recommendations. May be repeated to a maximum of three credits. Prerequisites: Admission to the Executive MBA Program and approval of the Dean's Office.

EMBA 722 - Service Operations Credits 2

This course introduces students to the strategies, concepts, practices, and challenges of successful service operations. This course prepares students to identify and apply appropriate strategies and management processes to ensure efficient, effective, and quality oriented service operations, while achieving operational competitiveness. Prerequisites: Admission to EMBA program and approval of Dean's Office.

EMBA 723 - Applied Strategic Marketing... Credits 2

Designed to give executives the opportunity to apply marketing concepts in an effort to analyze, initiate and change marketing actions. Provides the knowledge and tools needed to analyze marketing problems. Prerequisites: EMBA 713

EMBA 725 - Corporate Risk Management Credits 3

This course will focus on the fundamentals of corporate risk management from a strategic decision-making perspective. The course emphasizes how exposures to strategic, operational, financial and pure risks affect the firm, and how risk exposures can be re-engineered to enhance shareholder value. Topics further include the major sources of risk, the measurement of risk exposures, methods, and strategies of managing and controlling risk. Prerequisites: EMBA 715

MBA 741 - Internship Credits 3

Supervised practical experience with a participating local enterprise or government agency, culminating in a written report. Prerequisites: Completion of 12 MBA credits and approval of the Director of the MBA Programs. Minimum GPA 3.0

MBA 751 - Independent Study Credits 1 - 3

Independent study of a topic relevant to the practice of business under supervision of a faculty advisor. Prerequisites: Completion of 12 MBA credits and approval of the Director of the MBA Programs. Minimum GPA 3.0.

MBA 761 - Accounting for Managers Credits 3

Fundamentals of financial and managerial accounting. Topics include accounting's conceptual framework, preparation and analysis of financial statements, current topics in financial reporting, ethical and legal responsibilities in financial reporting, cost-volume-profit analysis, tactical decision making, budgeting and accounting for management control. Formerly MBA711. Prerequisites: MBA 761 admission to M.B.A. program, or approval of the Director of MBA Programs.

MBA 763 - Leadership, Teams, and Individuals Credits 3

Overview of research and theory on organizational behavior with emphasis on the skills required for managerial effectiveness in modern complex organizations including motivating and leading employees, developing effective teams, and managerial communication responsibilities. Formerly MBA711. Prerequisites: MBA 761 admission to M.B.A. program, or approval of the Director of MBA Programs.

MBA 765 - Financial Decision Making Credits 3

Focuses on corporate financial management, including cash flow planning, capital budgeting, security valuation, and financing decisions. Includes the concepts of market efficiency and optimal capital structure. Provides useful set of tools to improve the efficiency of business and personal financial decisions. Formerly MBA711. Prerequisites: MBA 761 admission to M.B.A. program, or approval of the Director of MBA Programs.

MBA 767 - Market Opportunity Analysis Credits 3

Theory and practice of marketing fundamentals applied to the market opportunity analysis. Focus on the marketing concept, planning, internal analysis, industry analysis, customer analysis, segmentation, competitive strategies and strategy formulation, product and pricing decision, positioning, forecasting, and profitability of opportunities. Prerequisites: Admission to the MBA program, NVM Certificate program or approval of the Director of MBA programs.

MBA 769 - Applied Economic Analysis Credits 3

Intensive application of the principles of microeconomic theory to business management problems. Presumes no previous knowledge of economics but moves rapidly to a thorough understanding of the tools of price theory. Topics include scarcity, choice, supply, demand, production, cost, competition, monopoly, present value and decision-making under risk. Prerequisites: Admission to MBA Program or approval of the Director of MBA Programs.

MBA 771 - Law and Ethics Credits 3

Deals with legal, regulatory and ethical environments of business. Provides foundation for recognizing and analyzing legal and ethical issues facing managers. Case studies applying both legal and ethical analysis featured. Prerequisites: Admission to MBA Program or approval of the Director of MBA Programs.

MBA 773 - Managing Information Credits 3

Overview of contemporary information systems and technology issues. Technical, behavioral, organizational and competitive perspectives reviewed. Issues related to impact of information systems on organizational processes and work practices. Information systems strategies, technology implementation and systems analysis and design. Formerly MBA 702. Prerequisites: Admission to MBA Program or approval of the Director of MBA Programs.

MBA 775 - Data Modeling and Analysis Credits 3

Intensive seminar/workshop applying statistical analysis to topics and problems encountered by business managers. Presumes no previous exposure to statistics but moves rapidly to the mastery of statistical analysis tools available on spreadsheet software. Topics include descriptive statistics, hypothesis testing, analysis of variance, simple regression and multiple regression. Formerly MBA 702. Prerequisites: Admission to MBA Program or approval of the Director of MBA Programs.

MBA 779 - Managing Global Supply Chains Credits 3

The study of strategic relationships necessary for supply chain management including the integration of the key value-adding activities across a global network of firms that produce raw materials, transform them into intermediate and then end products, and finally distribute these to end users. Topics include purchasing and supplier relationships, inventory and quality management, distribution, customer relationship management, service response logistics, and future trends in supply chain management from a global perspective. Formerly MBA 720. Prerequisites: Admission to the MBA program or approval of the Director of MBA Programs.

MBA 785 - Global Business Credits 3

Problems and Opportunities of business in a global context. Examines economic, social, political, monetary, and cultural issues faced by companies involved in international business and analyzes their effect on business decisions. Development of a framework for the preparation and implementation of business plans in a global context. Prerequisites: Admission to the MBA program or approval of the Director of MBA Programs

MBA 787 - Strategic Management Credits 3

Integrates knowledge from specialized functional courses into a CEO perspective. Moves beyond a repertoire of generic strategies toward the formation of unique, firm specific strategies. Builds effective strategies in complex organizational contexts. Prerequisites: To be taken during the student's final year.

Economics

Students who obtain the M.A. will demonstrate a master's level understanding of economic theory and will work competently with data and interpret clearly the results of empirical studies. Over the course of the program, M.A. students develop and hone their abilities to solve problems. Communicating the results of economic analysis is a valuable skill in the business world and the program provides students the opportunity to develop their writing and presentation skills. The program produces students with a set of skills that both businesses and policy makers value. M.A. students in economics are attractive candidates for different employers — government agencies, marketing research firms, corporate research and financial departments, and consulting firms. Students interested in pursuing a Ph.D. in economics or finance also benefit from the M.A. in economics. The department welcomes both full and part-time students. Ambitious students can complete the program in one year.

Jeff Waddoups, Ph.D., Chair

Ian McDonough, Ph.D., Graduate Coordinator

Economics Faculty

Chair

Waddoups, C. Jeffrey - *Full Graduate Faculty*
Professor; B.A., Ph.D., University of Utah. Rebel since 1989.

Graduate Coordinator

Ian McDonough, Ph.D.

Graduate Faculty

Assane, Djeto - *Full Graduate Faculty*
Associate Professor; B.A., University of Abidjan; M.A., University of New Mexico; Ph.D., University of Colorado. Rebel since 1998.

Chen, Lein-Lein - *Full Graduate Faculty*
Professor; B.S., M.S., Florida International University; Ph.D., University of Miami. Rebel since 1993.

Li, Herman - *Full Graduate Faculty*
Assistant Professor; B.A., University of Pennsylvania; Ph.D., Penn State University. Rebel since 2011.

Malamud, Bernard - *Full Graduate Faculty*
Professor; B.S.E.E., Polytechnic Institute of Brooklyn; M.S.I.A., Carnegie-Mellon University; Ph.D., New School for Social Research. Rebel since 1968.

Miller, Stephen M. - *Full Graduate Faculty*
Professor, B.S., Purdue University; M.A., Ph.D., SUNY at Buffalo. Rebel since 2001.

O, Munpyung - *Full Graduate Faculty*
Assistant Professor; B.A., Sung Kyuan Kwan University; M.A., Ph.D., University of California, Santa Barbara. Rebel since 2012.

Riddel, Mary - *Full Graduate Faculty*
Professor; B.A., University of Colorado, Boulder; M.S., Ph.D., Colorado State University, Ft. Collins. Rebel since 1999.

Robinson, William J. - *Full Graduate Faculty*
Assistant Professor; B.A., University of Northern Colorado; M.A., Ph.D., University of Colorado, Boulder. Rebel since 1980.

Schlottmann, Alan - *Full Graduate Faculty*
Professor; B.A., M.A., Ph.D., Washington University. Rebel since 2000.

Tra, Constant - *Full Graduate Faculty*
Associate Professor; B.A. California State University, Chico; M.S., Ph.D., University of Maryland. Rebel since 2007.

Wimmer, Bradley - *Full Graduate Faculty*
Professor; B.A., Coe College; Ph.D., University of Kentucky. Rebel since 1998.

Professors Emeriti

Clauretie, Terrence M.
Emeritus Professor; B.A. Stonehill College; Ph.D. Washington State University. UNLV Emeritus 1988.

Hoppe, Hans-Herman

Emeritus Professor; M.A., Ph.D., Geothe-University, Frankfurt, West Germany. UNLV Emeritus 1986.

Karstensson, Lewis

Emeritus Associate Professor; B.A., Humboldt State College; M.A., Ph.D., Ohio University. UNLV Emeritus 1979.

Ray, Clarence G.

Emeritus Professor; B.S., College of Charleston; M.A., Ph.D., University of South Carolina. UNLV Emeritus 1971-2000.

Simmons, Andrew

Emeritus Professor; B.S., University of London; M.A., Michigan State University; Ph.D., University of London. UNLV Emeritus 1960-1994.

White, William T.

Emeritus Professor; B.S., University of Arizona; M.S., Columbia University; Ph.D., Georgetown University. UNLV Emeritus 1967-1986.

Plans

Master of Arts - Economics

Master of Science - Applied Economics and Data Intelligence (see Management Entrepreneurship and Technology programs)

Dual Degree: Master of Arts - Economics & Master of Science - Mathematical Sciences

Master of Arts - Economics

This program is accredited by: AACSB. More information can be found at: unlv.edu/provost/vpaa/accreditation

Plan Description

The Master of Arts degree – Economics provides students with advanced training in applied economics. The program trains students for careers in business and government, and prepares students who desire to continue their studies in economics or finance at the doctoral level. Students in the MA program will obtain a solid foundation in microeconomic and macroeconomic theory, receive training in advanced econometric techniques, and develop their communication skills through writing and presentation. The program also allows students the possibility of pursuing interdisciplinary studies by taking courses in related disciplines such as finance or marketing. An internship program provides opportunities

for students to obtain valuable work experience. MA graduates in economics possess the skills that prove attractive for different employers— government agencies, marketing research firms, corporate research and financial departments, and consulting firms. The department welcomes both full and part-time students. Please see our web site for more information <http://business.unlv.edu/economics/>.

Formal preparation for most applicants seeking the Master of Arts degree requires intermediate microeconomic theory and macroeconomic theory. In addition, some form of quantitative preparation, such as calculus and intermediate statistics, is required. As noted below, students must meet general requirements for admission to the Graduate College of the University of Nevada, Las Vegas. The Department of Economics offers most graduate courses during evening hours convenient for both working and full-time students.

For more information about your program, including your graduate program handbook and learning outcomes, please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

The first step in the application process requires the submission of relevant application forms, fees, letters of recommendation, official transcripts, test results, and assistantship applications to the Graduate College as outlined in this Catalog. All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.

Admission to full graduate standing requires that students must:

1. Meet the general requirements for admission to graduate instruction at the University of Nevada, Las Vegas.
2. Complete the prerequisite preparation in microeconomic theory, macroeconomic theory, and quantitative economics. The theory preparation may be satisfied by successfully completing ECON 302 and ECON 303. Completing ECON 262 and Math 181 may satisfy the quantitative preparation. These courses, however, do not apply toward the 30 hours of graduate course work required for the Master of Arts degree. In addition, students seeking to meet prerequisite requirements with undergraduate courses may need to take a placement exam to demonstrate competence.

Preference is given to applicants who score at or above the 50th percentile on the quantitative portion of the Official GRE; and at or above the 50th percentile on the combined verbal and quantitative portions of the Official GRE; and present a 3.0 or higher grade point average

(computed on a 4.00 scale). An Official GMAT score may be substituted for the Official GRE score. These requirements may be adjusted to reflect any changes in the formats and scoring rubrics of either the GRE or GMAT.

Accomplished UNLV undergraduates must meet all of the following criteria to be eligible for the Advanced Program Track:

1. Receiving a B or above in graduate-level Economics courses completed as an undergraduate
2. Satisfactory completion of Graduate College admission requirements
3. Senior standing
4. Minimum of 3.0 GPA
5. Completion of the following courses with a minimum of 3.5 GPA and no grade lower than B: ECON 262 or ECON 441; ECON 302; ECON 303 and MATH 181
6. Department chair or graduate coordinator's recommendation
7. Submission of two letters of recommendation, a completed Enrollment Request form to the Economics department no less than two weeks before the beginning of the semester for which they would like to register for graduate courses

Students falling short of the requirements for admission with full graduate standing may be admitted as graduate conditional students. Students admitted with graduate conditional status must successfully complete the courses, possibly including any deficiencies, designated by the graduate coordinator, with an average of 3.33 or better within the first year of enrollment to qualify for admission with full graduate standing.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

See Subplan Requirements below.

Subplan 1 Requirements: Conventional Track - Thesis

Total Credits Required: 30

Course Requirements

Required Courses – Credits: 18

- ECO 701 - Macroeconomic Theory
- ECO 702 - Microeconomic Theory
- ECO 740 - Mathematical Economics
- ECO 770 - Econometrics I, Statistical Modeling
- ECO 772 - Econometrics II
- ECO 793 - Seminar in Economic Research

Elective Courses – Credits: 6

Students completing the Thesis must complete a minimum of 6 credits of Economics coursework.

Culminating Experience – Credits: 6

- ECO 791 - Thesis

Degree Requirements

- Completion of a minimum of 30 credit hours, of which, at least 24 credits must be taken in 700-level courses.
- Degree requirements may exceed (at the option of the student's advisor), but must not be less than the minimum outlined below. The advisor and/or the coordinator of graduate studies recommend specific course requirements for this degree.
- An internship is required and will count toward the elective credit requirements. This requirement may be waived by the department upon evidence of appropriate experience. If waived, credits must be earned in other coursework.
- Students not making satisfactory progress toward the degree are subject to dismissal. Satisfactory progress is defined as in the Graduate College Dismissal Policy. Students will also be placed on probation for earning a grade less than a B. Additional grades less than a B in subsequent terms may result in dismissal from the program. Courses with grades less than a B cannot be applied to the credits required for the degree. Courses with grades less than a B can be retaken with the permission of the student's advisor and the graduate coordinator.
- A minimum 3.00 average is required to earn the Master of Arts degree.
- In consultation with his/her advisor, a student will organize a committee of at least three departmental members. In addition, a fourth member from outside the department, known as the Graduate College Representative, must be appointed. An additional committee member may be added at the student and department's discretion. Please see Graduate College policy for committee appointment guidelines.

Graduation Requirements

See Plan Graduation Requirements below.

Subplan 2 Requirements: Conventional Track - Professional Paper

Total Credits Required: 30

Course Requirements

Required Courses – Credits: 18

- ECO 701 - Macroeconomic Theory
- ECO 702 - Microeconomic Theory
- ECO 740 - Mathematical Economics
- ECO 770 - Econometrics I, Statistical Modeling

- ECO 772 - Econometrics II
- ECO 793 - Seminar in Economic Research

Elective Courses – Credits: 9

Students who complete a Professional Paper must complete 9 credits of Economics coursework; 3 credits may be from a related discipline subject to the approval of the graduate coordinator.

Culminating Experience – Credits: 3

- ECO 794 - Professional Paper

Degree Requirements

- Completion of a minimum of 30 credit hours, of which, at least 24 credits must be taken in 700-level courses.
- Degree requirements may exceed (at the option of the student's advisor), but must not be less than the minimum outlined below. The advisor and/or the coordinator of graduate studies recommend specific course requirements for this degree.
- An internship is required and will count toward the elective credit requirements. This requirement may be waived by the department upon evidence of appropriate experience. If waived, credits must be earned in other coursework.
- Students not making satisfactory progress toward the degree are subject to dismissal. Satisfactory progress is defined as in the Graduate College Dismissal Policy. Students will also be placed on probation for earning a grade less than a B. Additional grades less than a B in subsequent terms may result in dismissal from the program. Courses with grades less than a B cannot be applied to the credits required for the degree. Courses with grades less than a B can be retaken with the permission of the student's advisor and the graduate coordinator.
- A minimum 3.00 average is required to earn the Master of Arts degree. Students falling below a 3.0 will be placed on probation.
- In consultation with his/her advisor, a student will organize a committee of at least three departmental members. In addition, a fourth member from outside the department, known as the Graduate College Representative, must be appointed. An additional committee member may be added at the student and department's discretion. Please see Graduate College policy for committee appointment guidelines.
- It should be noted that a student taking four courses a semester could finish all course work in one year by adding an elective course in the fall and in the spring semesters and completing a culminating experience in the summer.

Graduation Requirements

See Plan Graduation Requirements below.

Subplan 3 Requirements: Advanced Track - Thesis

Total Credits Required: 24

Course Requirements

Required Courses – Credits: 9

- ECO 740 - Mathematical Economics
- ECO 772 - Econometrics II
- ECO 793 - Seminar in Economic Research

Economics Course – Credits: 3

Complete one of the following courses:

- ECO 701 - Macroeconomic Theory
- ECO 702 - Microeconomic Theory
- ECO 770 - Econometrics I, Statistical Modeling

Elective Courses – Credits: 6

Students completing the Thesis must complete a minimum of 6 credits of Economics coursework.

Culminating Experience – Credits: 6

- ECO 791 - Thesis

Degree Requirements

- Completion of a minimum of 24 credit hours, of which, at least 18 credits must be taken in 700-level courses.
- Degree requirements may exceed (at the option of the student's advisor), but must not be less than the minimum outlined below. The advisor and/or the coordinator of graduate studies recommend specific course requirements for this degree.
- An internship is required and will count toward the elective credit requirements. This requirement may be waived by the department upon evidence of appropriate experience. If waived, credits must be earned in other coursework.
- Students not making satisfactory progress toward the degree are subject to dismissal. Satisfactory progress is defined as in the Graduate College Dismissal Policy. Students will also be placed on probation for earning a grade less than a B. Additional grades less than a B in subsequent terms may result in dismissal from the program. Courses with grades less than a B cannot be applied to the credits required for the degree. Courses with grades less than a B can be retaken with the permission of the student's advisor and the graduate coordinator.
- A minimum 3.00 average is required to earn the Master of Arts degree. Students falling below a 3.0 will be placed on probation.
- In consultation with his/her advisor, a student will organize a committee of at least three departmental

members. In addition, a fourth member from outside the department, known as the Graduate College Representative, must be appointed. An additional committee member may be added at the student and department's discretion. Please see Graduate College policy for committee appointment guidelines.

Graduation Requirements

See Plan Graduation Requirements below.

Subplan 4 Requirements: Advanced Track - Professional Paper

Total Credits Required: 24

Course Requirements

Required Courses – Credits: 9

- ECO 740 - Mathematical Economics
- ECO 772 - Econometrics II
- ECO 793 - Seminar in Economic Research

Economics Course – Credits: 3

Complete one of the following courses:

- ECO 701 - Macroeconomic Theory
- ECO 702 - Microeconomic Theory
- ECO 770 - Econometrics I, Statistical Modeling

Elective Courses – Credits: 9

Students who complete a Professional Paper must complete 9 credits of Economics coursework; 3 credits may be from a related discipline subject to the approval of the graduate coordinator.

Culminating Experience – Credits: 3

- ECO 794 - Professional Paper

Degree Requirements

- Completion of a minimum of 24 credit hours, of which, at least 18 credits must be taken in 700-level courses.
- Degree requirements may exceed (at the option of the student's advisor), but must not be less than the minimum outlined below. The advisor and/or the coordinator of graduate studies recommend specific course requirements for this degree.
- An internship is required and will count toward the elective credit requirements. This requirement may be waived by the department upon evidence of appropriate experience. If waived, credits must be earned in other coursework.
- Students not making satisfactory progress toward the degree are subject to dismissal. Satisfactory progress is defined as in the Graduate College Dismissal Policy. Students will also be placed on probation for earning a grade less than a B. Additional grades less than a B in subsequent terms may result in dismissal from the program. Courses with grades less than a

B cannot be applied to the credits required for the degree. Courses with grades less than a B can be retaken with the permission of the student's advisor and the graduate coordinator.

- A minimum 3.00 average is required to earn the Master of Arts degree. Students falling below a 3.0 will be placed on probation.
- In consultation with his/her advisor, a student will organize a committee of at least three departmental members. In addition, a fourth member from outside the department, known as the Graduate College Representative, must be appointed. An additional committee member may be added at the student and department's discretion. Please see Graduate College policy for committee appointment guidelines.
- It should be noted that a student taking four courses a semester could finish all course work in one year by adding an elective course in the fall and in the spring semesters and completing a culminating experience in the summer.

Graduation Requirements

See Plan Graduation Requirements below.

Plan Graduation Requirements

The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.

To qualify for graduation, each student must successfully complete an empirical research paper or thesis.

Dual Degree: Master of Arts - Economics & Master of Science - Mathematical Sciences

Plan Description

The dual Master of Arts–Economics and Master of Science – Mathematical Sciences combine economic reasoning with mathematical methods. The program attracts students with focused career choices that require core competence in analytical skills and mathematical methods. It also prepares students with interests in pursuing a Ph.D. in economics with substantial quantitative skills, or a Ph.D. in Mathematics with economic applications. We believe that the analytical nature of the program will attract high quality undergraduates.

The MA – Economics portion of the dual degree program advances students' knowledge in macro- and micro-economic theory. It also provides students with econometrics as well as developing their communication skills. The MS – Mathematical Sciences portion of the dual degree program is designed to equip graduate students with a solid foundation of mathematics, statistics, and real-world applications.

The MS – Mathematical Sciences portion of the dual degree is designed to equip graduate students with a

solid foundation of mathematics, statistics, and real-world applications. The MA – Economics portion of the dual degree advances students' knowledge in macro- and micro-economic theory. It also provides students with econometrics as well as developing their communication skills.

For more information about your program, including your graduate program handbook and learning outcomes, please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

The Departments of Economics and Mathematical Sciences welcome applications from college graduates in all fields. All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements. Applicants must satisfy the minimum admission requirements of the MA – Economics program and the MS – Mathematics program. If denied by one program, the applicant will have the option of proceeding with a single degree program with departmental approval.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

Total Credits Required: 51

Course Requirements

Total Credits Required for the Economics M.A.: 24

Required Courses – Credits: 18

- ECO 701 - Macroeconomic Theory
- ECO 702 - Microeconomic Theory
- ECO 740 - Mathematical Economics
- ECO 770 - Econometrics I, Statistical Modeling
- ECO 772 - Econometrics II
- ECO 793 - Seminar in Economic Research

Elective Courses – Credits: 3

Complete 3 credits of ECO electives at the 600- or 700-level.

Professional Paper – Credits: 3

- ECO 794 - Professional Paper

Total Credits Required for the Mathematical Sciences M.S.: 27

Required Courses – Credits: 18

Complete 18 credits from the following list of courses:

- MAT 771 - Applied Analysis I
- MAT 723 - Advanced Ordinary Differential Equations I
- MAT 707 - Real Analysis I
- MAT 709 - Complex Function Theory I
- MAT 663 - Advanced Matrix Theory and Applications
- MAT 657 - Introduction to Real Analysis I
- STA 761 - Regression Analysis I
- STA 762 - Regression Analysis II
- STA 767 - Mathematical Statistics I
- STA 768 - Mathematical Statistics II

Elective Courses – Credits: 3

Complete 3 credits of 600- or 700-level MAT or STA courses (excluding MAT 711 & 712), or other advisor-approved graduate-level courses.

Thesis – Credits: 6

Complete six credits in one of the following courses:

- MAT 791 - Thesis
- STA 791 - Thesis

Degree Requirements

1. A minimum of 51 credits of graduate work is required for the Dual M.S. and M.A. Program in Mathematics and Economics.
2. Completion of a minimum of 24 credits for the Economics M.A. and a minimum of 27 credits for the Mathematical Sciences M.S. with a minimum GPA of 3.00.
3. 18 of the 21 credits of economics coursework (excluding professional paper) must be at the 700-level.
4. 15 of the 21 credits of mathematics coursework (excluding thesis) must be at the 700-level.
5. A student will be placed on academic probation if a minimum of 3.00 GPA is not maintained in all work taken in the degree program. A grade of C or less in one graduate-level course will cause a student to be placed on academic probation and will elicit a critical review of the student's program by the Graduate Studies Committee. Failure to meet the requirements of probation will result in separation from the graduate program.
6. Classes in which a student receives a C or lower will not count towards his or her degree.
7. Students are required to defend a thesis on subjects in the interdisciplinary area of Mathematics and Economics. The committee chair and two other committee members must be from the Mathematics Department. The thesis committee must be composed

at minimum of two graduate faculty members from the Economics Department. Please see Graduate College policy for committee appointment guidelines.

8. Students are required to complete a professional paper. The committee for the professional paper must be composed of a chair and two committee members from the Economics Department and one graduate faculty member from the Mathematics Department.

Plan Graduation Requirements

1. Students cannot graduate from one portion of the dual degree until the requirements for both are met. Students must apply to graduate from both programs for the same semester.
2. The student must submit all required forms to the Graduate College and then apply for graduation from both degrees up to two semesters prior to completing his/her degree requirements.
3. The student must successfully complete a professional paper.
4. Submit and successfully defend his/her thesis by the posted deadline. The defense must be advertised and is open to the public.
5. After the thesis defense, the student must electronically submit a properly formatted pdf copy of their thesis to the Graduate College for format check. Once the thesis format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for thesis defenses, format check submissions, and the final ProQuest submission can be found here.

Economics Courses

ECO 502 - Intermediate Microeconomics Credits 3

Analysis of the price mechanism, resource allocation, output composition, and income distribution in a market economy. Remedial course to prepare for graduate level microeconomics. Does not count for credit toward the MA in Economics degree. Same as ECON 302

ECO 503 - Intermediate Macroeconomics Credits 3

Analysis of income, output, employment, and price level determination in a market economy. role of fiscal and monetary policy in promoting stability and growth. Remedial course to prepare for graduate level macroeconomics. Does not count for credit toward the MA in Economics degree. Same as ECON 303

ECO 602 - Topics in Microeconomics Credits 3

Extensions of microeconomic analysis. Application of traditional microeconomic concepts to study economic phenomena. Emphasis on decision making in the public policy arena. Notes: This course is crosslisted with ECON 402. Credit at the 600-level requires additional work.

ECO 625 - Economic Growth Credits 3

Applied theory supplemented with empirical evidence pertaining to economic growth, including physical and human capital accumulation, population trends, technology and efficiency, as well as the fundamentals such as geography, institutions and culture. Notes: This course is crosslisted with ECON 425, credit and the graduate level requires additional work. Grading Letter Grade. Prerequisites: Graduate standing or consent of instructor.

ECO 640 - Introduction to Mathematical Economics Credits 3

Application of mathematics to economic analysis. This course is crosslisted with ECON 440. Coursework at the 600-level requires additional work. Prerequisites: ECO 502 or ECO 503

ECO 641 - Introduction to Econometrics Credits 3

Measurement of economic relationships, with stress upon the estimation of parameters of stochastic economic models. Notes: Students will be informed upon admission that the instructor will assume a knowledge of college algebra and basic statistics. Grading Letter grade

ECO 651 - Public Finance Credits 3

Analysis of the financing and provision of public goods. Topics include: the nature of public goods, the choice regarding the level of public good provision, the incidence of taxes, and issues of tax equity. Notes: This course is crosslisted with ECON 451. Credit at the 600-level requires additional work.

ECO 655 - Economics of Industrial Organization Credits 3

Causes and implications of economic concentration and monopoly power. Comparison of alternative approaches to monopoly power in terms of social and economic goals. Notes: This course is crosslisted with ECON 455. Credit at the 600-level requires additional work.

ECO 670 - Urban and Regional Economics Credits 3

Analysis of the structure and functioning of economic activities in urban and non-urban areas, including location and growth of cities and regions, inter- and intrametropolitan distribution of firms and residences, operation of land markets, planning local public services, and urban fiscal problems. Same as ECON 470. Grading Letter. Prerequisites: Admission to any graduate program in economics

ECO 701 - Macroeconomic Theory Credits 3

Investigates the behavior of the main economic aggregates: output, employment, consumption, savings, investment, interest rates, and price level. Explores and assesses the major theories of the determinants and interrelations among these variables. Also analyzes the impact of various policies on the macroeconomy. Prerequisites: ECO 740

ECO 702 - Microeconomic Theory Credits 3

Uses quantitative and graphic techniques to analyze household and firm decisions as a basis for market interactions. Topics include the determinants of demand and supply, price and output determination under perfect and imperfect competition, economic efficiency, income distribution, general equilibrium, and economic welfare. Prerequisites: Graduate standing. Corequisite: ECO 740

ECO 707 - Environmental and Natural Resource Economics Credits 3

Relationship between environmental quality and natural resources, using economic analysis. Identifies solutions to economic problems arising from resource scarcity and use. Economic growth, externalities. Prerequisites: Graduate standing.

ECO 709 - Regional Economic Analysis Credits 3

Theoretical and empirical analysis of the regional component of economic activity. Examination of location factors, regional and urban development theory, and regional/urban structure and growth theory. Explores regional analysis and forecasting. Prerequisites: Graduate standing.

ECO 740 - Mathematical Economics Credits 3

Application of mathematics to economic analysis. Prerequisites: Graduate standing or consent of instructor.

ECO 765 - Labor Economics Credits 3

Examination of competing theories of labor market behavior. Topics include theories of labor supply, labor demand, wage determination, unemployment, discrimination and the impact of unions and government institutions on labor market outcomes. Prerequisites: Graduate standing.

ECO 770 - Econometrics I, Statistical Modeling Credits 3

The course reviews fundamentals of mathematical statistics, that are used in econometric analysis. It integrates mathematical models and statistical techniques to perform regression analysis of cross-sectional data with a policy focus. Topics include empirical model building, estimation, and specification and data problems. Notes: Involves extensive use of computer software packages. Prerequisites: Graduate standing and a previous statistics course or consent of instructor.

ECO 772 - Econometrics II Credits 3

Building on econometrics I, this course extends econometric/quantitative skills in the estimation and testing of economic theory. Topics include instrumental variables and two stage least squares estimations, simultaneous equation models, qualitative dependent variable models and sample selection corrections, measurement error issues, introduction to time series and panel data methods. Prerequisites: Graduate standing, ECO 770.

ECO 773 - Business and Economic Forecasting Credits 3

Evaluation of the uses and misuses of forecasting techniques in economics, business and governmental decision making. Exploration of techniques of data handling including exponential smoothing, seasonal and cyclical adjustments. Use of simple and multiple regression models and advanced econometric techniques in forecasting. Nature and estimation of autoregressive moving average (ARIMA) models. Prerequisites: Graduate standing and ECO 770.

ECO 780 - Seminar in Economic Theory and Policy Credits 3

Designed for the study of some specialized topic in economic theory or policy. Prerequisites: ECO 702, and ECO 770.

ECO 784 - Internship Credits 3

Internship with business firms, non-profit organizations or government agencies. Project report and internship conference required. Grading Students will receive S/F for final grade. Prerequisite: ECO 702, ECO 740, ECO 770, ECO 793. Corequisite: ECO 772

ECO 790 - Independent Study Credits 1 – 6

Directed research course under the supervision of a member of the graduate faculty, culminating in a written paper. Prerequisites: Consent of Department Chair or Graduate Coordinator.

ECO 791 - Thesis Credits 3 – 6

Research, analysis, and writing towards completion of thesis and subsequent defense. Notes: May be repeated but only six credits will be applied to the student's program. Grading S/F grading only.

ECO 793 - Seminar in Economic Research Credits 3

Provides hands-on training in empirical modeling, promotes critical thinking, focuses on use of tool kit of research techniques and reinforces understanding of economic concepts relating to economics research. Prerequisites Graduate standing in Economics

ECO 794 - Professional Paper Credits 3

Directed research under the supervision of a member of the graduate faculty, culminating in a professional paper that will be presented to the student's professional-paper committee. Students will participate in a weekly seminar, presenting results of their research. Students who do not complete a professional paper will receive a temporary grade of "X". Grading S/F course grading only. Prerequisites: ECO 701, ECO 702, ECO 740, ECO 772, ECO 793

Finance

The Department of Finance offers a masters in quantitative finance program and a concentration in finance in the MBA program. Students are exposed to both the theory and practical applications related to various areas of finance such as corporate finance and investment management. Students are taught to focus on the key elements of complex financial issues and to provide solutions based on theory, knowledge, analysis and logic. The Master's of Science - Quantitative Finance program provides students with strong knowledge of finance, advanced statistical and econometric skills to manipulate and analyze large financial datasets, and exposure to the latest technologies with financial applications.

We prepare our students for successful careers related to finance such as corporate finance, investment management, banking and financial services. Finance department faculty members have a diverse range of professional and research interests to enrich the student's classroom experience. Please refer to individual faculty web links for specific information.

Saeyoung Chang, Ph.D., Department Chair
Daniel Chi, Ph.D., Graduate Coordinator

Finance Faculty**Department Chair**

Chang, Saeyoung - Full Graduate Faculty
Graduate Coordinator

Chi, Daniel - Full Graduate Faculty

Graduate Faculty

Chatfield, Robert - Full Graduate Faculty

Choi, Seungmook - Full Graduate Faculty

Jameson, Melvin - Full Graduate Faculty

Lee, Scott - Full Graduate Faculty

Pareek, Ankur - Full Graduate Faculty

Poon, Percy - Full Graduate Faculty

Sullivan, Michael - Full Graduate Faculty

Thistle, Paul - Full Graduate Faculty

Zhang, Andrew - Full Graduate Faculty

Plans

Graduate Certificate in Finance (ON HOLD)

Master of Science - Quantitative Finance

Dual Degree: Master of Business Administration & Master of Science - Quantitative Finance (see Business Administration programs)

Master of Science - Quantitative Finance*Plan Description*

The UNLV Lee Business School Master of Science in Quantitative Finance (MSQF) will be a 10-course (30-credit) program that can be finished in 12 months.

The program will provide advanced education and training on core finance knowledge and skills at the graduate level, with special emphasis on quantitative methods in finance and new financial technologies. These quantitative methods include mathematical finance theories as well as statistical and computer-program-based techniques to manage and analyze large financial data sets. Examples of finance theories are those related to capital structure, capital budgeting, valuation, stocks, bonds, derivatives, and portfolio management. Examples of empirical quantitative methods are programming and modeling skills using SAS, Stata, Excel, Python etc. to manage and analyze large databases of financial and investment information.

Students will be able to choose from a menu of electives to prepare themselves for careers in corporate finance, investment management, and the application of technology to financial applications.

The purpose of the program is to prepare successful finance professionals who are capable of utilizing the latest technologies to perform sophisticated financial analysis and management.

For more information about your program, including your graduate program handbook and learning outcomes, please visit the Degrees Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

Students must:

1. 1.Meet the general requirements for admission to graduate instruction at the University of Nevada, Las Vegas, as described by the Graduate College.
2. 2. . Complete the prerequisite (or equivalent) courses listed below with at least a B grade.
 1. Principles of Finance (FIN 301/MBA 765)
 2. Financial Accounting (ACC 201/MBA 761)

3. Microeconomics (ECON 102/ECON 302/ MBA 769)
4. Two statistics courses (ECON 261 and ECON 262 or ECON 441)
5. Two calculus courses (MATH 181 and MATH 182) or one calculus and one linear algebra course (MATH 181 and MATH 330). ECON 440/640 is an alternate way to satisfy the calculus prerequisite. Students who have not met the prerequisite requirements may be granted conditional admission at the discretion of the department.

3. Conform to regulations outlined by the Graduate College of UNLV regarding the TOEFL or other equivalent certifications of English fluency.
4. Satisfactory GMAT or GRE scores. Preference is given to applicants with GMAT scores above 550 (or the GRE equivalent).

Complete the Graduate College application online and submit a nonrefundable admission application fee. Mail official transcripts to the Graduate College.

For information on Conditional Admission, please refer to the Admission & Registration section of the Graduate Catalog.

All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

Total Credits Required: 30

Course Requirements

Core Courses – Credits: 18

- ECO 770 - Econometrics I, Statistical Modeling
- FIN 708 - Advance Corporate Finance
- FIN 710 - Investment Management
- FINQ 761 - Corporate Finance Modeling
- FINQ 762 - Investments Modeling
- FINQ 773 - Capstone Project

Elective Courses - Credits: 12

- ECO 772 - Econometrics II
- FINQ 721 - CFA Level I Prep
- FINQ 766 - Fintech (Financial Technology)
- FINQ 781 - Finance Internship
- FINQ 790 - Finance Independent Study

- FINQ 754 - Financial Statement Analysis and Valuation
- FINQ 757 - Special Topics in Corporate Finance
- FINQ 763 - Quantitative Investment Strategies
- FINQ 764 - Derivatives and Risk Management
- FINQ 765 - Fixed Income Securities

At Most One Elective from the Following Existing MBA Courses:

- FIN 709 - Applied topics in Finance
- FIN 712 - Financial Markets and Institutions
- FIN 740 - Risk Management
- FIN 750 - International Financial Management

Degree Requirements

- A maximum of 6 credit hours may be transferred into the program if taken recently from an accredited university. Requests for transfer must be evaluated and approved by the MSQF Director after the student is officially admitted.
- The capstone project will be a group project of 4-5 students working on a company project or research project identified by faculty or the students.
- All proposed capstone projects will require approval from the program director to ensure that the learning objectives will be met. Groups will meet with the program director on a regular basis to report on the progress of the project and obtain timely feedback.
- An oral presentation and written report of the project are required.
- Individual grades will be determined primarily by the group grade. However, group peer evaluations will be conducted to assess individual contributions. In the event of a student not passing the course due to unsatisfactory contribution towards the group work, to satisfy the culminating experience, the student will work on an individual project supervised by the program director.
- For assessment purposes, a panel of 3-4 Finance faculty members will evaluate the written report and oral presentation of each project using the rubric provided in the assessment plan.

Plan Graduation Requirements

1. A minimum of 30 credit hours of program course work (excluding prerequisites) is required with an overall GPA of at least 3.00 for the course work that is part of the M.S. Quantitative Finance program.
2. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.

Finance Courses

FIN 708 - Advance Corporate Finance Credits 3
Studies major decision-making areas of managerial finance and some selected topics in financial theory. Emphasis on the application of the theory and practice of business asset management, financing choice, capital structure, cost of capital, and dividend policy. Current topics, such as corporate acquisitions, restructuring, and underwriting covered as appropriate. Prerequisites: MBA 765 or approval of the Director of MBA Programs.

FIN 709 - Applied topics in Finance Credits 3
This course focuses on the application of theory in finance through some combination of case analysis, the use of spreadsheets to assist in financial analysis and simulations. Topics covered may include capital budgeting, cost of capital, capital structure, risk analysis, financial statement analysis, options, and mergers and acquisitions. Prerequisites: MBA 765

FIN 710 - Investment Management Credits 3
Theoretical and practical analyses of investment environment and process. Focuses on characteristics, valuation, and management of various financial instruments, such as common stock, corporate bonds, options, and futures. Students learn how to establish appropriate investment objectives, develop optimal portfolio strategies, estimate risk-return trade-offs, and evaluate investment performance. Prerequisites: MBA 765 or approval of the Director of MBA Programs.

FIN 712 - Financial Markets and Institutions Credits 3
Comparative study of the diverse financial instruments and intermediaries existing in today's financial sector. Topics include: the structure of interest rates, relative costs and benefits of each instrument, financial innovation and financial "engineering," the role of banks, thrifts and other intermediaries, and current and future trends in the financial sector. Prerequisites: MBA 765 and MBA 769 or approval of the Director of MBA Programs.

FIN 715 - Portfolio Management Credits 3
Strategies investors employ to meet alternative investment objectives. Asset allocation decisions and the management of risk and return emphasized using various quantitative approaches to determine portfolio optimization and asset market equilibrium. Full spectrum of portfolio management issues considered across all classes securities, including equity, fixed-income, and derivative securities. Prerequisites: MBA 765 and FIN 710, or approval of the Director of MBA Programs.

FIN 718 - Financial Derivatives Credits 3
Introduces basic financial derivatives such as options, futures and swaps. Focuses on how to use them as hedging and speculative tools in various contexts and also as fundamental building blocks to engineer new products. Highlights techniques for the valuation of the derivatives with an emphasis on the basic principles. Prerequisites: FIN 708 or FIN 710.

FIN 740 - Risk Management Credits 3
Applies risk management process as an integrated approach to financial, credit and insurable risks. Financial perspective on the corporate risk management function emphasized, using the financial tools of risk. Prerequisites: MBA 765 or approval of the Director of MBA Programs

FIN 750 - International Financial Management Credits 3
Covers a broad range of issues related to international financial markets and conducting business in an international environment. Topics include international parity relationships, international capital budgeting, hedging risks associated with exposure to exchange rate fluctuations using forwards and options, and interest rate and foreign currency swaps.

FIN 757 - Special Topics in Corporate Finance Credits 3
Focuses on selected topics in corporate finance including mergers & acquisitions, other corporate restructuring, corporate governance, and executive compensation. Classical studies and recent developments are reviewed. Exposure to both theory and empirical research that can help develop capstone projects. Grading Letter grade. Prerequisites: Admission in MSQF program or approval by Director of MSQF program; FIN 708 and ECO 770.

FINQ 754 - Financial Statement Analysis and Valuation Credits 3
Develops a strong understanding of how to interpret financial statements using real company data. Study of major items on the assets and liabilities side of the balance sheet and how different accounting methods impact other financial statements as well as topics on valuation of stocks and businesses. Grading Letter grade. Prerequisites: Admission in MSQF program or approval by Director of MSQF program; FIN 708 and FIN 710.

FINQ 757 - Special Topics in Corporate Finance Credits 3
Focuses on selected topics in corporate finance including mergers & acquisitions, other corporate restructuring, corporate governance, and executive compensation. Classical studies and recent developments are reviewed. Exposure to both theory and empirical research that can help develop capstone projects. Grading Letter grade. Prerequisites: Admission in MSQF program or approval by Director of MSQF program; FIN 708 and ECO 770

FINQ 761 - Corporate Finance Modeling Credits 3
Discusses how to use statistical software to retrieve, organize, and analyze large financial databases to facilitate corporate financial decision making. Examples of software and databases used include Excel, SAS, Stata, Compustat, ExecuComp, and FactSet. A wide range of advanced statistical and econometric methods will be examined. Grading Letter grade. Prerequisites: Admission in MSQF program or approval by Director of MSQF program.

FINQ 762 - Investments Modeling Credits 3
Discussion of econometric techniques and programming skills needed to manipulate large financial data sets. Widely used statistical factor models are developed to form tradable portfolios using various characteristics. Topics include asset pricing, market efficiency, and statistical estimation. Grading Letter grade. Prerequisites: Admission in MSQF program or approval by Director of MSQF program; FIN 710 and ECO 770.

FINQ 763 - Quantitative Investment Strategies Credits 3
Describes quantitative investment strategies used by active traders and focuses on the use of real data to evaluate them. Analysis of academic research articles in search of profitable and implementable trading ideas. Discusses issues such as performance measurement, liquidity risk, and portfolio construction. Grading Letter grade. Prerequisites: Admission in MSQF program or approval by Director of MSQF program; FIN 710 and ECO 770.

FINQ 764 - Derivatives and Risk Management Credits 3
Pricing of derivative securities and their applications in financial risk management. Derivatives markets, pricing of futures and forwards, binomial model for pricing options, introduction to stochastic calculus, Ito's lemma, no-arbitrage pricing of options and Black-Scholes model, option greeks, pricing swaps, and managing market, credit and liquidity risk. Grading Letter grade. Prerequisites: Admission in MSQF program or approval by Director of MSQF program; FIN 708 and FIN 710.

FINQ 765 - Fixed Income Securities**Credits 3**

Discusses unique features and concepts related to the valuation and risk-return analysis of fixed income securities and structured notes. Topics include fixed and floating rate loans with embedded options, interest rate derivatives, credit default swaps, and mortgage-backed securities. Techniques for factor-based fixed income portfolio construction are also discussed. Grading Letter grade. Prerequisites: Admission in MSQF program or approval by Director of MSQF program; FIN 710 and ECO 770.

FINQ 773 - Capstone Project**Credits 3**

Application of knowledge obtained from the MSQF coursework to a project involving significant data analysis using large financial datasets. Grading Letter grade. Prerequisites: Approval by Director of MSQF program.

FINQ 781 - Finance Internship**Credits 3**

Apply skills in finance related work setting with significant analytical content. Can be with corporations, non-profit organizations or government agencies. The internship should be at least 150 hours long. Grading S/F grading Prerequisites: Approval by Director of MSQF program.

FINQ 790 - Independent Study**Credits 1-3**

Employment of quantitative methods to study and research a finance topic that focuses on trends and issues in the field of quantitative finance. Development of a detailed study plan that involves significant data analysis using large financial datasets and advanced analytic methodology. Grading Letter Grade. Prerequisites: Admission to the MSQF Program, minimum 3.0 GPA in the MSQF Program, and approval by Director of MSQF Program.

Management Entrepreneurship and Technology

The mission of the Department of Management, Entrepreneurship and Technology is to create and disseminate knowledge that can be used by our students, scholars in our disciplines, and practitioners in all types of organizations to enrich people's lives and to benefit our community, state, and nation. Our faculty is dedicated to providing undergraduate and graduate students with a high quality and rigorous education and to publishing innovative and cutting edge research in leading peer-reviewed journals.

Technology Program

This program prepares graduates for professional and managerial careers in IT or for doctoral studies leading to research and teaching careers in IS. This objective is achieved through a balanced emphasis on theory and practice. The program prepares graduates with a broad-based knowledge of information systems design, development, implementation, evaluation, and maintenance. The graduates will understand IT's dynamic nature and will be able to use and manage IT for problem solving, decision-making, competitive advantage, and innovation. Courses in the program include projects that allow students to organize team activities, analyze problems and propose solutions, explain project-related decisions, document and communicate progress, collect and analyze data, and present solutions. Students develop written and spoken communication skills. Students in this program have the option to write an M.S. thesis, a substantial original work that contributes to the body of knowledge in IS and business.

Students work closely with research faculty members on the thesis with the objective of producing publishable quality research outcomes. The thesis prepares students for professional careers by giving them unique skills or knowledge with professional value. It prepares research oriented students with research skills that will be invaluable in pursuing the Ph.D. Students in the program take pride in using the thesis to learn something truly unique.

This degree program will prepare the graduate with:

- A deep understanding of systems thinking and ways that IT can be used to enhance the effectiveness of the individual and organizations.
- The ability to analyze business problems, to develop system solutions, and apply information technology to obtain business solutions.
- A comprehensive understanding of the theoretical basis of management information systems and current research questions.
- The ability to learn on a continuing basis to stay current with rapidly changing technologies.
- The ability to effectively communicate the

technology and its application to business executives and users of information systems.

- The knowledge and skills to function as an information technology professional in public or private organization.
- Excellent preparation to enter a doctoral program in MIS.

Rajiv Kishore, Ph.D., Chair

Gregory D. Moody, Ph.D., Graduate Coordinator

Yong Li, Ph.D., Graduate Coordinator

Management, Entrepreneurship and Technology Faculty

Chair

Rajiv Kishore

Full Professor, M.S., Ph.D. Georgia State University. Rebel since 2018.

Graduate Coordinator

Moody, Gregory

Associate Professor; Ph.D., University of Oulu, Ph.D. University of Pittsburgh. Rebel since 2011.

Graduate Faculty

Alder, G. Stoney

Professor, B.S., University of Utah; MBA, Brigham Young University; Ph.D. University of Colorado. Rebel since 2002.

Chang, Jerry

Professor, Ph.D., University of Pittsburgh. Rebel since 2000.

Chatterjee, Sutirtha

Associate Professor; Ph.D. Washington State University. Rebel since 2012.

Deng, Honghui

Associate Professor; Ph.D. University of Texas at Austin. Rebel since 2003.

Hardin, Andrew

Associate Dean for Research and Innovation and Professor, Ph.D. Washington State University. Rebel since 2007.

Hu, Han-fen

Assistant Professor; Ph.D. University of Utah. Rebel since 2012.

Lee, Michael

Assistant Professor; Ph.D. University of Utah. Rebel since 2018.

McAllister, Daniel W.

Associate Professor; B.S.B.A., M.B.A., University of Utah; Ph.D., University of Washington. Rebel since 1982.

Moody, Gregory

Associate Professor; Ph.D., University of Oulu, Ph.D. University of Pittsburgh. Rebel since 2011.

Peffer, Ken

Professor; Ph.D., Purdue University. Rebel since 2003.

Rawhouser, Hans

Assistant Professor; B.S.E., University of Nevada, Las Vegas; M.B.A., Thunderbird School of Global Management; Ph.D., University of Minnesota. Rebel since 2012.

Rothenberger, Marcus

Professor; Ph.D. Arizona State University. Rebel since 2004.

Seale, Darryl Anthony

Professor; B.S., California State University, Chico; MBA, Pennsylvania State University; M.A., Ph.D., University of Arizona. Rebel since 1999.

Wang, Sheng

Associate Professor; Ph.D., Ohio State University Main Campus; MLHR, Ohio State University Main Campus. Rebel since 2005.

Professors Emeriti

Erickson, Ranel

Emeritus Professor, Ph.D., Stanford University. UNLV Emeritus 1980.

Gilbert, Joseph T.

Associate Professor; B.A., M.A., St. Louis University; Ph.D., University of Southern California. Rebel since 1991.

Hames, David S.

Associate Professor; B.A., Albion College; M.A., Michigan State University; Ph.D., University of North Carolina, Chapel Hill. Rebel since 1989.

Hong, Weiyin

Emeritus Associate Professor, Ph.D., Hong Kong University of Sciences. UNLV Emeritus 2001.

Plans

Graduate Certificate in Data Analytics (ON HOLD)

Graduate Certificate in Management (ON HOLD)

Graduate Certificate in New Venture Management

Graduate Certificate in Management Information Systems

Master of Science - Applied Economics and Data Intelligence

Master of Science - Management Information Systems

Dual Degree: Master of Business Administration & Master of Science - Management Information Systems (see Business Administration Programs)

Dual Degree: Master of Science - Hotel Administration & Master of Science - Management Information Systems

Graduate Certificate in New Venture Management

This program is accredited by: AACSB. More information can be found at: unlv.edu/provost/vpaa/accreditation

Plan Description

The Graduate Certificate in New Venture Management (GCNVM) is comprised of graduate classes currently offered through the Business Administration M.B.A. curriculum. The Graduate Certificate is designed for those students wishing to gain knowledge or update their knowledge in the specific area of New Venture Management. The Graduate Certificate is not a degree program and completion of this program indicates an expertise in a narrow specialty, not general expertise in all areas of business.

For more information about your program, including your graduate program handbook and learning outcomes, please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

Admission requirements include an undergraduate degree with a GPA of 3.00 or higher, and either relevant work experience or a GMAT of 550 or higher. Relevant work experience is a minimum of 3 years experience in a relevant business-related position. The determination of what is considered relevant work experience will be made by the Coordinator of Non Degree Programs in the College of Business.

If desired, upon successful completion of the Graduate Certificate in New Venture Management, students may apply for admittance into the Business Administration M.B.A.

All applicants must review and follow the Graduate College Admission and Registration Requirements.

Students are accepted into a certificate program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

Total Credits Required: 15

Course Requirements

Required Courses – Credits: 9

- MGT 709 - New Venture Feasibility
- MGT 710 - New Venture Creation
- MBA 767 - Market Opportunity Analysis

Elective Courses – Credits: 6

Complete 6 credits of advisor-approved coursework.

Certificate Requirements

1. Completion of a minimum of 15 credit hours.
2. A grade point average of at least 3.00 for course work required for the certificate.
3. No grade lower than C is acceptable.
4. There are no pre-requisites for MBA 767; however, the remaining courses require the completion of the MBA Core or admission to the Graduate Certificate in New Venture Management as a pre-requisite.
5. Students with unsatisfactory progress toward the certificate requirements are subject to dismissal. A student with a grade of C or lower in any of the required courses will be put on probation for one semester. Conditions and deadlines for the removal of probation will be specified. Failure to meet the condition will result in departure from the program. A student with two grades of C or lower will be dropped from the program.

Plan Certificate Completion Requirements

The student must submit all required forms to the Graduate College and then apply for graduation in MyUNLV by the appropriate deadline.

Graduate Certificate in Management Information Systems

This program is accredited by: AACSB. More information can be found at: unlv.edu/provost/vpaa/accreditation

Plan Description

The Graduate Certificate in Management Information Systems (MIS) is a graduate certificate program designed for individuals who want to acquire specific MIS skills to meet the needs or demands of their workplace. The certificate program is suitable for students with no prior MIS background, as well as for those who have prior MIS knowledge or education and want to acquire specific additional skills (retooling). Students can select from three suggested subplans, or they can, upon approval of the MIS Graduate Coordinator, customize the certificate program to meet their specific retooling needs.

The Graduate Certificate in Management Information Systems requires the completion of four MIS graduate courses. These are courses that are already offered as part of the Master of Science in MIS (MS MIS) program. While the MS MIS program requires the completion of 36 credits, the Certificate in MIS requires the completion of 12 credits, a subset of the MS MIS program requirements.

For more information about your program, including your graduate program handbook and learning outcomes, please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

The Department of Management, Entrepreneurship, and Technology welcomes applications from college graduates in all fields. The student must satisfy the minimum admission requirements of the Graduate College and the Certificate in MIS. The candidate must meet the following requirements:

1. Submission of a completed application and required application fee;
2. Statement of purpose that describes why you want to join the program and your professional goals, relevant to this program;
3. Updated resume, which includes academic, professional and other relevant experience;
4. Submission of official transcripts from all post-secondary institutions;

5. Evidence of having been awarded the equivalent of a U.S. bachelor's degree from an accredited college or university with an overall undergraduate grade point average of at least 3.00 on the four-point scale;
6. Official GMAT or GRE score. Graduate Management Admission Test (GMAT) with target score of 550. Applicants with satisfactory scores on the general aptitude portion (50th percentile or higher) of the Graduate Record Examination (GRE) will be considered for admission. Test scores over five years old are not accepted.

If a student is already admitted to the MS MIS program and wants to switch to the Certificate in MIS program, then the student must apply for admission to the certificate program. The student can transfer up to 12 credits of MIS courses into the certificate program after being admitted. Alternatively, if a student in the Certificate in MIS program wants to switch to the MS MIS program, then the student must apply for admission to the MS MIS program. The student can transfer up to 15 credits of MIS courses into the MS MIS program after being admitted. The student can transfer these credits into the MS MIS program even if they were already applied towards the certificate.

All applicants must review and follow the Graduate College Admission and Registration Requirements.

Students are accepted into a certificate program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

See Subplan Requirements below.

Subplan 1 Requirements: Business Analysis and Development for Systems

Total Credits Required: 12

Course Requirements

Required Courses - Credits: 12

- MIS 744 - Information Systems Strategy
- MIS 746 - Information Systems Project Management
- MIS 762 - Systems Analysis, Modeling and Design
- MIS 766 - Data Management

Certificate Requirements

See Plan Certificate Requirements below.

Certificate Completion Requirements

See Plan Certificate Completion Requirements below.

Subplan 2 Requirements: Business Analytics

Total Credits Required: 12

Course Requirements

Required Courses - Credits: 9

- MIS 740 - Software Concepts
- MIS 761 - Business Analytics Methods and Tools
- MIS 766 - Data Management

Analytics Course Requirement - Credits: 3

Complete one of the following courses:

- MIS 769 - Big Data Analytics for Business
- MIS 776 - Business Intelligence

Certificate Requirements

See Plan Certificate Requirements below.

Certificate Completion Requirements

See Plan Certificate Completion Requirements below.

Subplan 3 Requirements: Individual Plan

Total Credits Required: 12

Course Requirements

Required Courses - Credits: 12

Complete four courses authorized by your Graduate Coordinator. These courses must be listed on the Degree Audit Companion Form.

Certificate Requirements

See Plan Certificate Requirements below.

Certificate Completion Requirements

See Plan Certificate Completion Requirements below.

Plan Certificate Requirements

- Completion of a minimum of 12 credit hours of MIS courses.
- Changes to the courses of study require prior approval of the MIS Graduate Coordinator.
- A grade point average of at least 3.00 for course work required for the certificate.
- No grade lower than C is acceptable.
- Students with unsatisfactory progress toward the certificate requirements are subject to dismissal. A student with a grade of C or lower in any of the required courses will be put on probation for one semester. Conditions and deadlines for the removal of probation will be specified. Failure to meet the condition will result in departure from the program. A student with two grades of C or lower will be dropped from the program.

Plan Certificate Completion Requirements

The student must submit all required forms to the Graduate College and then apply for graduation in MyUNLV by the appropriate deadline.

Master of Science - Applied Economics and Data Intelligence

Plan Description

The MS in Applied Economics and Data Intelligence combines skills in programming, data gathering, and data management with skills in economic reasoning and statistical analysis skills. The program attracts students with focused career choices that require core competence in programming and constructing data systems with analytical and statistical skills. It also prepares students preparing for a career as data scientists.

The economics portion of the degree advances students' knowledge in economic theory. It also provides students with skills associated with advanced statistical and econometric analysis, and helps students develop their communication skills.

The technical portion of the degree is designed to equip graduate students with a solid foundation in programming, building data management systems, and data mining.

For more information about your program, including your graduate program handbook and learning outcomes, please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

Students must:

1. Meet the general requirements for admission to graduate instruction at the University of Nevada, Las Vegas, as described by the Graduate College.
2. Complete the prerequisite preparation in intermediate microeconomic theory (ECON-502 or equivalent), statistical analysis (ECON-262 or ECON 441 or equivalent), plus at least one semester of calculus.
3. Conform to regulations outlined by the Graduate College of UNLV regarding the TOEFL or other equivalent certifications of English fluency.
4. Statement of purpose that describes why you want to join the program and your professional goals, relevant to this program.
5. Updated resume, which includes academic, professional and other relevant experience.
6. Obtain a minimum of 550 on the GMAT or equivalent on the GRE.
7. If they are international, submit a completed Certificate of Finance to the Office of International Students & Scholars. In addition, international applicants must satisfy the financial eligibility requirements before an I-20 will be issued.
8. Complete Graduate College application online and submit a nonrefundable admission application fee.

Mail official transcripts to the Graduate College. Send two letters of recommendation, letter of intent as well as official test scores, GRE or GMAT to the Graduate College.

All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

Total Credits: 36

Course Requirements

Core Courses from Management Information Systems – Credits: 15

- MIS 769 - Big Data Analytics for Business
- MIS 740 - Software Concepts
- MIS 766 - Data Management
- MIS 768 - Advanced Software Concepts
- MIS 776 - Business Intelligence

Core Courses from Economics – Credits: 12

- ECO 702 - Microeconomic Theory
- ECO 770 - Econometrics I, Statistical Modeling
- ECO 772 - Econometrics II

And

- ECO 773 - Business and Economic Forecasting

OR

- ECO 740 - Mathematical Economics

Elective Courses – Credits: 6

Complete 6 credits of 600 / 700 level courses in Economics or Management of Information Systems, or other course upon approval of both Graduates Coordinators in the Economics and Management of Information Systems programs, which serve as co-chairs for this program.

Culminating Experience Course – Credits: 3

Complete 3 credits from the following list of courses:

- MIS 781 - Client Project
- ECO 794 - Professional Paper

Degree Requirements

1. A minimum of 36 credits of course work is required from the degree with a GPA of at least 3.00 is required for the graduate course work that is part of the degree program.

Plan Graduation Requirements

1. Culminating experience (ECO 794 or MIS 781) must be taken during the student's last year in the program.
2. A minimum of 36 credits of course work is required from the degree with a GPA of at least 3.00 is required for the graduate course work that is part of the degree program.
3. The student must submit all required forms to the Graduate College and then apply for graduation in MyUNLV by the appropriate deadline.

Master of Science - Management Information Systems

This program is accredited by: AACSB. More information can be found at: unlv.edu/provost/vpaa/accreditation

Plan Description

The Master of Science – Management Information Systems (MS MIS) program prepares graduates for professional careers in the management of information technology (IT). The MS MIS focuses on the application of technology to help achieve organizational goals and solve business problems. MIS students earn competency in IT, embedded in a business context that provides them with well-rounded preparation for occupations in high demand. Recent graduates are pursuing careers in a variety of roles, such as project manager, IT manager, business analyst, database analyst, network engineer, and systems consultant.

Each student completes a total of 36 credit hours in MIS courses with a minimum GPA of 3.0. The student can elect to either take 30 credit hours of coursework and complete a master-level thesis for 6 credit hours, or to complete 36 credit hours of course work. The student's program will be selected in consultation with and approved by the student's advisor and the department chair and may include up to two courses (four courses if the non-thesis option is selected) from supporting areas other than MIS, such as accounting, law, computer science, economics, social sciences, and management.

For more information about your program including your graduate program handbook and learning outcomes please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

1. Submission of a completed application and required application fee;
2. Submission of official transcripts from all post-secondary institutions;
3. Evidence of having been awarded the equivalent of a

U.S. Bachelor of Arts or Bachelor of Science degree from an accredited college or university with an overall undergraduate grade point average of at least 3.00 on the four-point scale;

4. For MIS applicants who previously attended a post-secondary institution outside of the U.S., the requirement that transcripts be evaluated by an outside agency is waived.
5. Official GMAT or GRE score. Graduate Management Admission Test (GMAT) with a target score of 550. Applicants with satisfactory scores on the general aptitude portion (50th percentile or higher) of the Graduate Record Examination (GRE) will be considered for admission. Test scores over five years old are not accepted. The GMAT test score should be reflective of verbal and quantitative aptitude. GMAT or GRE scores over five years old are not accepted.
6. Two letters of recommendation submitted in sealed envelopes or uploaded through the Grad Rebel Gateway application system.
7. Statement of purpose that describes why you want to join the program and your professional goals, relevant to this program. Updated resume, which includes academic, professional and other relevant experience.

Individuals with deficiencies in their undergraduate background may be required to enroll in selected additional undergraduate courses to satisfy the M.S. degree requirements. A maximum of 12 credit hours may be transferred into the program if taken recently from an AACSB accredited school. The department chair and the associate dean must approve any earned credits for transfer.

Individuals with degrees in disciplines other than business may be required to take leveling business courses, as prescribed by the director.

The application forms, fees, letters of recommendation, official transcripts, test results, and assistantship applications must be submitted to the Graduate College as outlined in this catalog.

All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

See Subplan Requirements below.

Subplan 1 Requirements: Thesis Track

Total Credits Required: 36

Course Requirements

Required Courses – Credits: 24

Complete one of the following two courses:

- MIS 740 - Software Concepts

OR

- MIS 768 - Advanced Software Concepts

AND

- MIS 764 - Technology and Innovation Management
- MIS 766 - Data Management
- MIS 773 - Research Seminar in Information Systems
- MIS 744 - Information Systems Strategy
- MIS 746 - Information Systems Project Management
- MIS 760* - Data Communications and Systems
- MIS 762 - Systems Analysis, Modeling and Design

Elective Courses – Credits: 6

Complete 6 credits of electives from any 600/700-level course offered by the Lee Business School.

Thesis – Credits: 6

- MIS 780* - Thesis

* * If a student has completed any of the required or elective MIS graduate courses as part of a previous degree at UNLV with grades of B or better, the course(s) may be waived and the number of credits required for the MS MIS program will be reduced by an equal number of credits, up to a maximum of 12 credits.

If the student has not sufficient relevant work experience, up to 6 credits of MIS 755 Internship may be required in addition to the above degree requirements. The determination is made by the MIS Graduate Coordinator in consultation with the student at the time of filing the Proposed Master's Degree Program, which shall occur before the student completes 16 credits towards the degree.

Degree Requirements

1. Completion of a minimum of 36 credit hours of MIS courses.
2. A grade point average of at least 3.00 for course work required for the degree.
3. No grade lower than C is acceptable.
4. Each student's program of course work must be selected in consultation with and approved by the student's advisor and the department chair, and may include up to 6 credit hours from selected disciplines other than MIS, such as cognitive psychology, computer science, accounting, or economics.
5. Students on the thesis track are expected to select a research advisor by the end of their first year, to

attend all departmental seminars, and to present a research seminar prior to graduation.

6. In consultation with his/her advisor, a student will organize a thesis committee of at least three departmental members. In addition, a fourth member from outside the department, known as the Graduate College Representative, must be appointed. An additional committee member may be added at the student and department's discretion. Please see Graduate College policy for committee appointment guidelines.
7. Students with unsatisfactory progress toward the degree requirements are subject to dismissal. A student with a grade of C or lower in any of the required courses for the degree will be put on probation for one semester. Conditions and deadlines for the removal of probation will be specified. Failure to meet the condition will result in departure from the program. A student with two grades of C or lower will be dropped from the program.
8. Students are required to register for six hours of thesis. They are advised to split these six hours of thesis and register for three hours each during the last two semesters.

Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
2. The student must submit and successfully defend his/her thesis by the posted deadline. The defense must be advertised and is open to the public.
3. After the thesis defense, the student must electronically submit a properly formatted pdf copy of their thesis to the Graduate College for format check. Once the thesis format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for thesis defenses, format check submissions, and the final ProQuest submission can be found here.

Subplan 2 Requirements: Non-Thesis Track

Total Credits Required: 36

Course Requirements

Required Courses – Credits: 24

Complete one of the following two courses:

- MIS 740 - Software Concepts

OR

- MIS 768 - Advanced Software Concepts

AND

- MIS 744 - Information Systems Strategy

- MIS 746 - Information Systems Project Management
- MIS 760* - Data Communications and Systems
- MIS 762 - Systems Analysis, Modeling and Design
- MIS 764 - Technology and Innovation Management
- MIS 766 - Data Management
- MIS 781 - Client Project

Elective Courses – Credits: 12

Complete 12 credits of electives from any 600/700-level course offered by the Lee Business School.

* * If a student has completed any of the required or elective MIS graduate courses as part of a previous degree at UNLV with grades of B or better, the course(s) may be waived and the number of credits required for the MS MIS program will be reduced by an equal number of credits, up to a maximum of 12 credits.

Degree Requirements

1. Completion of a minimum of 36 credit hours of MIS courses.
2. A grade point average of at least 3.00 for course work required for the degree.
3. No grade lower than C is acceptable.
4. Each student's program of course work must be selected in consultation with and approved by the student's advisor and the department chair, and may include up to 6 credit hours from selected disciplines other than MIS, such as cognitive psychology, computer science, accounting, or economics.
5. Students with unsatisfactory progress toward the degree requirements are subject to dismissal. A student with a grade of C or lower in any of the required courses for the degree will be put on probation for one semester. Conditions and deadlines for the removal of probation will be specified. Failure to meet the condition will result in departure from the program. A student with two grades of C or lower will be dropped from the program.
6. MIS 781 should be taken during the last year of the student's enrollment in this program.

Graduation Requirements

The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.

Plan Graduation Requirements

Refer to your subplan for Graduation Requirements.

Dual Degree: Master of Science - Hotel Administration & Master of Science - Management Information Systems

Plan Description

The William F. Harrah College of Hospitality and the Lee School of Business MIS department, offer a Master of Science – Hotel Administration and Master of Science – Management Information Systems (MS HOA / MS MIS) dual degree program. It is designed for students who seek careers and leadership opportunities in the hospitality industry with a focus on information technology and management information systems. The program provides students with the skills, knowledge, and tools needed to become visionary and creative leaders in information technology in the hospitality industry.

The program includes 48-credits and the student will receive both, an MS HOA and an MS MIS degree. The MS MIS degree (24 credits) helps students develop critical skills in information technology systems analysis and design. The MS HOA degree (24 credits) helps students acquire knowledge specific to the management of hospitality operations. HOA courses are accepted as hours of elective towards the MS MIS degree and MIS courses are accepted as hours of elective towards the HOA degree. This program will take at least three years (six semesters) to complete. The completion of a professional paper is included in the credit total.

For more information about your program, including your graduate program handbook and learning outcomes, please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements. The admission requirements for the dual degree are the same as those stated under the MS MIS and MS HOA programs. Dual MS MIS applicants may take the GRE or the GMAT. All dual degree program applicants are required to show that they have at least one year of full-time management/supervisory experience or three years of cumulative full-time front-line experience in the hospitality industry.

See the Application Process section under the MS MIS and the MS HOA programs. Applications will be reviewed by representatives of the William F. Harrah College of Hotel Administration and the Lee Business School in an independent process within each college. Applicants must be admitted to both schools to qualify for the dual degree program for that term. If denied by one program, the applicant will have the option of proceeding with a single degree program with departmental approval.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

Subplan 1 Requirements: Professional Paper Track

Total Credits Required: 48

Course Requirements

Total Credits Required for the Hotel Administration M.S.: 24

Required Courses – Credits: 15

- HOA 705 - Financial Analysis for the Service Industries
- HOA 711 - Laws of Innkeeping and Food Service
- HOA 731 - Operational Analysis in Hospitality Management
- HOA 735 - Research Methodology
- HOA 740 - Marketing Systems

Elective Course – Credits: 6

Students must complete an additional 6 hours of HOA graduate-level courses (500, 600, or 700).

Professional Paper – Credits: 3

- HOA 788R - Professional Paper

Total Credits Required for the Management Information Systems M.S.: 24

Required Courses – Credits: 18

- MIS 744 - Information Systems Strategy
- MIS 746 - Information Systems Project Management
- MIS 762 - Systems Analysis, Modeling and Design
- MIS 764 - Technology and Innovation Management
- MIS 766 - Data Management
- MIS 781 - Client Project

Electives – Credits: 6

Complete 6 credits of electives from any 600/700-level course offered by the Lee Business School.

Degree Requirements

1. Completion of a minimum of 24 credits of MS HOA courses and a minimum of 24 credits of MS MIS courses.
2. A grade point average of at least 3.00 for course work required for the degree.
3. No grade lower than C is acceptable.
4. With approval of the MS MIS program graduate coordinator, required MIS courses may be substituted with elective courses to avoid duplication of a student's previous course work and to address the needs of the

student's specific career choice.

5. Students with unsatisfactory progress toward the degree requirements are subject to dismissal. A student with a grade of C or lower in any of the required courses for the degree will be put on probation for one semester. Conditions and deadlines for the removal of probation will be specified. Failure to meet the condition will result in departure from the program. A student with two grades of C or lower will be dropped from the program.
6. The Hotel Administration portion of the dual degree program requires successful completion of a professional paper that must adhere to the standards in the American Psychological Association's current publication manual regarding writing style and format. This paper must be completed at the end of the dual program and examine a topic relating to Information Technology in Hospitality.

Graduation Requirements

1. Students cannot graduate from one portion of the dual degree until the requirements for both are met. Students must apply to graduate from both programs for the same semester.
2. The student must submit all required forms to the Graduate College and then apply for graduation from both degrees up to two semesters prior to completing his/her degree requirements.
3. Successfully complete a professional paper.

Subplan 2 Requirements: Thesis Track

Total Credits Required: 48

Course Requirements

Total Credits Required for the Hotel Administration M. S.: 24

Required Courses – Credits: 15

- HOA 705 - Financial Analysis for the Service Industries
- HOA 711 - Laws of Innkeeping and Food Service
- HOA 731 - Operational Analysis in Hospitality Management
- HOA 735 - Research Methodology
- HOA 740 - Marketing Systems

Elective Courses – Credits: 3

Students must complete an additional 3 hours of HOA graduate-level courses (500, 600, or 700).

Thesis - Credits: 6

- HOA 789R - Thesis

Total Credits Required for the Management Information Systems M. S.: 24

Required Courses – Credits: 18

- MIS 744 - Information Systems Strategy
- MIS 746 - Information Systems Project Management
- MIS 762 - Systems Analysis, Modeling and Design
- MIS 764 - Technology and Innovation Management
- MIS 766 - Data Management
- MIS 781 - Client Project

Electives – Credits: 6

Complete 6 credits of electives from any 600/700-level course offered by the Lee Business School.

Degree Requirements

1. Completion of a minimum of 24 credits of MS HOA courses and a minimum of 24 credits of MS MIS courses.
2. A grade point average of at least 3.00 for course work required for the degree.
3. No grade lower than C is acceptable.
4. With approval of the MS MIS program graduate coordinator, required MIS courses may be substituted with elective courses to avoid duplication of a student's previous course work and to address the needs of the student's specific career choice.
5. Students with unsatisfactory progress toward the degree requirements are subject to dismissal. A student with a grade of C or lower in any of the required courses for the degree will be put on probation for one semester. Conditions and deadlines for the removal of probation will be specified. Failure to meet the condition will result in departure from the program. A student with two grades of C or lower will be dropped from the program.
6. In consultation with his/her advisor, a student will organize a thesis committee of at least three departmental members and a fourth member from outside the department, known as the Graduate College Representative. An additional committee member may be added at the student and department's discretion. Please see Graduate College policy for committee appointment guidelines.

Graduation Requirements

1. Students cannot graduate from one portion of the dual degree until the requirements for both are met.
2. Students must apply to graduate from both programs for the same semester.
3. The student must submit all required forms to the Graduate College and then apply for graduation from both degrees up to two semesters prior to completing his/her degree requirements.
4. The student must submit and successfully defend his/her thesis by the posted deadline. The defense must be advertised and is open to the public.

5. After the thesis defense, the student must electronically submit a properly formatted PDF copy of their thesis to the Graduate College for format check. Once the thesis format has been approved by the Graduate College, the student will submit the approved electronic version to the ProQuest. Deadlines for thesis defenses, format check submissions, and final ProQuest submission can be found here.

Management, Entrepreneurship, and Technology Courses

DA 701 - Data Research Methods and Tools Credits 3
Understanding of the Cross-Industry Standard Process for Data Mining (CRISP-DM), how the methodology relates to the scientific method, as well as statistical methodologies related to the analysis of organizational data. As well as learn about the applicability of particular statistical approaches/packages for gaining business understanding in specific settings. Prerequisites: Admission into the Certificate in Data Analytics program.

DA 702 - Applied Big Data Credits 3
Big data concepts, tools and methods. Exposure to big data principles as well as learn about information technology innovations in organizations. Introduction to multiple tools and statistical concepts related to the contemporary analysis of big data. Prerequisites: Admission into the Certificate in Data Analytics program.

DA 703 - Applied Data Management Credits 3
Subjects include the theory, design, development, and management of information. Focusing on providing tools and an understanding of data storage and retrieval for data analytics. Basic technical instruction will include normalization, and Structured Query Language. Prerequisites: Admission into the Certificate in Data Analytics program.

DA 704 - Applied Business Intelligence Credits 3
Skills, technologies, applications, and practices to leverage the organizations' internal and external information assets for making intelligent business decisions in organizations. Understanding of the relevance of information technology (IT) in organizational decision-making. Topics include decision-making, decision support systems, text/data mining, data warehousing, and business performance management. Prerequisites: Admission into the Certificate in Data Analytics program.

MGT 709 - New Venture Feasibility Credits 3
This course emphasizes feasibility analysis as students choose business opportunities they will pursue. In conjunction with case study analysis and interaction with local entrepreneurs, students will assess the technical merits, operational logistics, legal ramifications, consumer needs and demands, team skills and abilities, and the financial viability of their new venture. Prerequisites: Admission to the MBA program, or NVM Certificate Program.

MGT 710 - New Venture Creation Credits 3
Concerned with development of the business tools and skills necessary to successfully create an entrepreneurial venture. Focus includes evaluation of new venture opportunities, obtaining capital and other resources, personnel issues, business operations, and legal considerations. Students will prepare and present a business plan. Prerequisites: Admission to the MBA program, or NVM Certificate Program.

MGT 711 - Seminar in Negotiation Credits 3

Enhances students' abilities to use negotiation as a tool for managing conflict, making deals, and making team decision. Examines important aspects of the negotiation process, including preparations, strategies and tactics, international issues, the role of third parties, and ethical issues. Prerequisites: Admission to the MBA Program or approval of the Director of MBA Programs.

MGT 712 - Change Management Credits 3

Change management is the process of transforming an organization's operations to enhance individual and organizational effectiveness. Both the rate of change and its importance to senior management seem to be accelerating. Examines competing models of change, considers various change methodologies, and explores examples of best practice. Prerequisites: Admission to the MBA program or approval of the MBA Director.

MGT 740 - Effective and Applied Human Resources Management Credits 3

This course provides an overview of the issues involved in managing an organization's human resources. This includes planning staffing needs, recruiting, hiring, developing and compensating employees, managing their performance and legal issues. The course is designed to help you gain the knowledge of human resource management essential for you as either a line manager or human resource specialist. Discussions, case analyses and role-playing exercises will be the dominant teaching methods used in this course. Notes Cannot be repeated for credit. Grading Letter Grade.

MGT 745 - Contemporary Topics in Human Resource Management Credits 3

Builds on concepts introduced in the Foundations of Human Resources (HR) course with emphasis on current issues in HR. How employee policies and HR impact the employment relationship from both the employee and employer perspective. Demonstrates the overlap between HRM and other business functions. Grading Letter grade. Prerequisites: Admission to the MBA program or approval of the Director of MBA Programs.

MIS 740 - Software Concepts Credits 3

First course in programming for non-programmers aimed at developing a proficiency in designing and writing programs using a high-level programming language. Topics include standard programming constructs (conditionals, loops, etc.), concept of an algorithm, and fundamental data types (numbers, strings, arrays, etc.). Prerequisites: Admission to a graduate program in MIS, Data Analytics and Applied Economics or consent of the Director of MIS Graduate Programs.

MIS 744 - Information Systems Strategy Credits 3

Aspects of developing, implementing and evaluating strategies and plans for organizations and their use of technology. Foundational theories in business strategy and the impact on current technological issues. Prerequisites: Complete two of the following courses: MIS 740, MIS 762, MIS 764 or MIS 766

MIS 746 - Information Systems Project Management Credits 3

Conceptual material on project management techniques. Planning, organizing and controlling of projects in manufacturing and service organizations. Includes project management process, project scheduling, project resource management, schedule duration risk analysis and management of project. Prerequisites: Admission to a graduate program in MIS or consent of the Director of MIS Graduate Programs.

MIS 752 - Advanced Topics in MIS Credits 3

Advanced or specialized study in a special topic or subject area in information systems. Notes: May be repeated with different subject matter to a maximum of six credits. Prerequisites: Admission to a graduate program in MIS or consent of the Director of MIS Graduate Programs.

MIS 753 - Independent Study Credits 3 – 6

Independent study under the direction of a faculty advisor of a topic in information systems. Notes: May be repeated for credit. Prerequisites: Admission to a graduate program in MIS or consent of the Director of MIS Graduate Programs.

MIS 755 - Internship Credits 3

Supervised practical experience with a participating enterprise or government agency, culminating in a written report. Notes: May be repeated to a maximum of six credits. Grading S/F grading. Prerequisites: MS MIS program admission

MIS 760* - Data Communications and Systems Credits 3

Concepts, models, architectures, protocols, standards, and security for the design, implementation, and management of digital networks. Essentials of local area networks (LAN), metropolitan area networks (MAN), and wide area networks (WAN). Transmission and switching efficiency, and regulatory and technical environments. Topics include: security and authentication, operating systems, e-commerce etc. Prerequisites: Admission to a graduate program in MIS or consent of the Director of MIS Graduate Programs.

MIS 761 - Business Analytics Methods and Tools Credits 3

Explores how data analytics relates to the scientific method, and then employs advanced statistical techniques for the contemporary analysis of organizational data. Taking an analytical approach, the applicability of particular statistical approaches/packages for gaining a business understanding in specific settings will be examined. Grading Letter grade

MIS 762 - Systems Analysis, Modeling and Design Credits 3

Systems development life cycle, analysis and design techniques. Information systems planning, project identification and selection, requirements collection and structuring, process modeling, data modeling. Design of interface and data management, system implementation and operation, system maintenance, and change management. Rapid application development and prototyping. Prerequisites: Admission to a graduate program in MIS or consent of the Director of MIS Graduate Programs

MIS 764 - Technology and Innovation Management Credits 3

Integration of technology-based innovations for doing business to improve competitive advantage and expand business strategy. Heavy focus is given to business models and how modern technologies have modified their application. Extensive use of business cases. Grading Letter Grade. Prerequisites: Admission to a graduate program in MIS or consent of the Director of MIS Graduate Programs.

MIS 765 - Advanced Web Application Development Credits 3

Covers various Internet development approaches and architectures. Technologies such as HTML, CSS, client-side scripting, server-side scripting, and databases are used. Provides hands-on experience for students to actively develop Web-based business applications that extract and deliver information over the Internet. Prerequisites: MIS 740

MIS 766 - Data Management Credits 3

Concepts, principles, issues and techniques for managing corporate data resources. Techniques for managing design and development of large database systems including logical data models, concurrent processing, data distribution, database administration, data warehousing, data cleansing, and data mining. Prerequisites: Admission to a graduate program in MIS, Data Analytics and Applied Economics or consent of the Director of MIS Graduate Programs.

MIS 768 - Advanced Software Concepts... Credits 3

Advanced language exposure, including object-oriented design and modeling concepts and practices, applications vs. services, libraries and extensions, internet software development, paradigms in information systems, security, and future software development and delivery directions. Grading Letter Grade. Prerequisites: MIS 740 or consent of the Director of MIS Graduate Programs.

MIS 769 - Big Data Analytics for Business Credits 3

Focuses on big data analytics concepts, tools and methods within the business environment. Explores big data principles and information technology innovation in organizations. Includes multiple tools and statistical concepts related to the contemporary analysis of big data. Grading Letter Grade. Prerequisites: Admission to a graduate program in MIS, Data Analytics and Applied Economics or consent of the Director of MIS Graduate Programs. Completion of one of the following two courses: MIS 740 or MIS 768

MIS 770 - IS Security Credits 3

Investigates a broad selection of contemporary issues in information security and assurance, including an introduction to state-of-the-art security tools used in this field. Course focuses on understanding risks to information and how to appropriately manage these risks. Prerequisites: Admission to a graduate program in MIS or consent of the Director of MIS Graduate Programs.

MIS 771 - IS Audit & Control Credits 3

This course will cover how controls are used to assure that processes are adherent with policies, standards and regulations. Controls will be evaluated in regards to their appropriateness and to their operating effectiveness. This course will provide an exposure to the COBIT framework, corporate governance and the IT audit process.

MIS 772 - Advanced Information Systems. Credits 3

Technical and managerial issues in the effective development and use of decision support systems (DDS) from three distinct approaches: data, intelligence and groups. Extensive hands-on exercises with state-of-the-art software. Exposure to current industry best practices. Same as No. Prerequisites: Admission to a graduate program in MIS or consent of the Director of MIS Graduate Programs.

MIS 773 - Research Seminar in Information Systems Credits 3

Survey a range of historic and current research in IS to understand current problems of interest to IS researchers and methods used to address them. A major deliverable for the course will be a proposal for a thesis research project. Prerequisites: Admission to a graduate program in MIS or consent of the Director of MIS Graduate Programs.

MIS 774 - IT Governance Credits 3

This seminar addresses roles and responsibilities of IT executives. It offers sourcing strategies and practices for vendor selection and evaluation, negotiation, contract management, risk mitigation, partnership development, intellectual property, talent retention, communication, governance and success measures. Prerequisites: Admission to a graduate program in MIS.

MIS 775 - Cloud Computing Credits 3

How IT Architecture can meet corporate information system needs. Topics include system scaling, architecture design, enterprise integration, service-oriented architectures, web services, agile application development, corporate IT security, disaster recovery, cost of ownership, and others. Students apply concepts using IBM system i. Prerequisites: MIS 762 or Instructor Consent.

MIS 776 - Business Intelligence Credits 3

Business intelligence refers to the set of technologies and tools that enable organizations to integrate, store, analyze, and report data for the purpose of obtaining competitive advantage. Students will be exposed to key components of business intelligence applications, including defining data structure, analyzing cubes, data mining, and reporting. Same as No. Prerequisites: MIS 766 and MIS 761. Complete one of the following MIS 740 or MIS 768.

MIS 777 - Project Feasibility Study and Proposal Credits 3

Mastery of methods and techniques required to propose new systems for processes, applications and products, including idea generation, data collection, analysis, project proposals, client presentations, sourcing and vendor negotiation. Emphasis on data collection techniques, including structured and unstructured individual and group interviews, survey questionnaires, observation, and document analysis. Prerequisites: Admission to a graduate program in MIS or consent of the Director of MIS Graduate Programs.

MIS 778 - Technology Innovation and Feasibility Analysis Credits 3

This course emphasizes a technology feasibility analysis. In conjunction with case study analysis and interaction with local entrepreneurs and business leaders, students will assess the technical merits, operational logistics, legal ramifications, consumer needs and demands, team skills and abilities, and the financial viability of a technological innovation.

MIS 779 - Technology Venture Creation Credits 3

The Technology Venture Creation course take students from the idea stage to the startup of a new technology based venture. The key output from the course will be a business plan for a new technology venture that can be taken to investors for funding. Prerequisites: MIS 778 or consent of instructor.

MIS 780* - Thesis Credits 3 – 6

A substantial piece of work demonstrating the use of research methods and presentation of research results. Students must complete twelve required credit hours before they can register for this course. This course is a six-credit hour thesis and is expected to take two semesters to complete. Completion of the thesis requires a successful defense. Notes: May be repeated to a maximum of eighteen credits. Prerequisites: MIS 773 with a minimum grade of B.

MIS 781 - Client Project Credits 3

Culminating experience for MIS students. Requires the practical application of concepts learned in the program. Reinforcement of client and expectation management, proposal writing and professional communication. Same as No. Prerequisites: Last year in an MIS program, MIS 744.

Marketing and International Business

The Department of Marketing and International Business provides professionally oriented graduate coursework emphasizing theory and practice in the marketing and international business (IB) disciplines. The curricula aim to instill frames of reference needed to develop and implement marketing and IB strategies, appreciate marketing and IB's roles in the larger organization, and build foundational skills that will enhance student performance of marketing and IB activities throughout their careers. Students receive knowledge of marketing and IB theories along with opportunities to apply that knowledge in simulated or real business situations.

Knowledge and skills obtained from graduate marketing and IB courses support careers in a wide range of fields, including retailing, product/brand management, advertising, distribution, marketing research, purchasing, services marketing, sports marketing, hospitality, and sales management across a broad scope of multinational and global firms and organizations. Moreover, concepts, frameworks, and practices taught in in the marketing curriculum complement and offer synergies with graduate course work in other business disciplines as well as public administration, law, economics, and hotel administration.

Marketing and International Business Faculty

Chair

Mejza, Michael - Full Graduate Faculty

Associate Professor; B.A., University of Connecticut; MBA, Ph.D., University of Maryland. Rebel since 1998.

Faculty

Anlamlier, Makebule Eda - Full Graduate Faculty

Assistant Professor; B.A., Bogazici University; M.A., Koc University; Ph.D., University of Illinois at Chicago. Rebel since 2018.

Cross, James - Full Graduate Faculty

Associate Professor; B.S., MBA, Ph.D., University of Minnesota. Rebel since 1989.

Hsu, Chin-Chun (Vincent) - Full Graduate Faculty

Professor; B.S., Tamking University; MBA, California State University, San Bernardino; Ph.D., Saint Louis University. Rebel since 2003.

Krishen, Anjala - Full Graduate Faculty

Associate Professor; B.S., Rice University M.S., M.B.A., Ph.D., Virginia Polytechnic Institute and State University. Rebel since 2007.

Naylor, Gillian - Full Graduate Faculty

Associate Professor; B.A., Washington State University; MBA, Eastern Washington State University; Ph.D., University of Arizona. Rebel since 1996.

Nill, Alexander - Full Graduate Faculty

Ph.D., University of Innsbruck. Rebel since 1999.

Pomirleanu, Nadia - Full Graduate Faculty

Assistant Professor; B.S., Academy of Economic Studies; Ph.D., University of Central Florida. Rebel since 2009.

Schibrowsky, John - Full Graduate Faculty

Professor; B.S., University of Wisconsin-Superior; MBA, University of Northern Iowa; Ph.D., University of Wisconsin-Madison. Rebel since 1988.

Tan, Keah-Choon - Full Graduate Faculty

Professor; B.S., MBA, University of South Alabama; Ph.D., Michigan State University. Rebel since 1998.

Wisner, Joel D. - Full Graduate Faculty

Professor; B.S., New Mexico State University; MBA, West Texas State University; Ph.D., Arizona State University. Rebel since 1991.

Marketing and International Business Courses

IB 787 - International Seminar Credits 3

A field study that exposes students to the competitive environment of an international business in the EU, Asia, South America or other emerging markets. Students will visit selected organizations, operating outside the USA, to learn first-hand the businesses' processes and experience the socio-cultural elements of the selected country. Formerly MGT 787. Notes: May be repeated to a maximum of 6 credits. Prerequisites: 12 hours of graduate course study or consent of the MIB department.

MKT 664 - Professional Sales Negotiations Strategies and Tactics Credits 3

The theory, processes, and practices of sales negotiation, relationship building and conflict resolution. Develops an understanding of the marketing theories, strategies, and tactics of effective sales negotiation, conflict resolution, and relationship management. Notes: May not be repeated for credit. This course is crosslisted with MKT 464. Credit at the 600-level requires additional work. Grading Letter Grade

MKT 673 - Business Marketing Credits 3

Provide a thorough grounding in industrial or business-to-business marketing. While many of the concepts are similar to those used in consumer marketing, there are significant differences. This course will explore both the similarities and the differences. Notes: This course is crosslisted with MKT 473. Credit at the 600-level requires additional work. Prerequisites: Graduate standing

MKT 711 - Strategic Marketing Management Credits 3

Development of effective strategic marketing analysis, planning, implementation, and control skills. Emphasis on market appraisal, industry structure, competitive advantage, product management, distribution strategy, promotion management, market segmentation, positioning strategies, and strategic marketing program decision making. Stresses case analysis and the solution of strategic marketing problems. Prerequisites: Graduate standing.

MKT 720 - International Marketing Research Credits 3

Design, analysis, interpretation, and communication of measurement and multivariate techniques to assess customer satisfaction, service quality and related marketing issues. Includes scaling, sampling, data collection, reliability, and validity. Prerequisites: Knowledge of statistics; graduate standing.

MKT 725 - Global Consumer Behavior Credits 3

This course examines global market segments, how to reach them, the consumer buying process across countries, and psychological and sociological variables which influence and motivate consumers. This course will broaden the understanding and evaluation of consumer behavior concepts as they pertain to domestic and global marketing strategies. Same as IB 725. Notes: Not repeatable for credit. Grading Letter grade.

MKT 737 - New Service and Product Development Credits 3

New service and product development process. Evaluation of potential markets. Identification design, and development of new services and products consistent with customer needs. Idea generation, concept testing, test marketing and

commercialization discussed. Prerequisites: Graduate standing.

MKT 747 - Global Digital Marketing Strategies Credits 3

This course explores the role of the internet in marketing strategy within the US and worldwide. Digital marketing encompasses marketing using global digital channels to reach consumer. It extends beyond the internet to other forms of new media. It includes online advertising social media, and search engine optimization. Same as IB 747. Notes: Nonrepeatable for credit. Grading Letter Grade.

MKT 757 - Strategic Database Marketing Credits 3

Theory and practice of use of databases to enhance marketing programs and build customer relationships. Topics include: one on one marketing, relationship building strategies, customer cloning, RFM, calculating lifetime value of customers, modeling tools and processes, customization of offers and retention strategies. Prerequisites: Graduate standing.

MKT 767 - Independent Study in Marketing Credits 3

Selected Marketing or International Business topics Notes: May be repeated to a maximum of 6 credits. Prerequisites: 12 hours completed in the core MBA curriculum (MBA 761, MBA 763, MBA 765, MBA 767, MBA 775).

MKT 777 - Services Marketing..... Credits 3

Marketing problems and strategies specific to service industries. Differences in the marketing of intangibles and services. Emphasis on services in general, rather than any particular industry. Concepts applied to such service of the art information for marketing in today's changing environment. Key topics include: competitive advantage, segmentation, relationship development, and competitive positioning. Prerequisites: Graduate standing

College of Education

The College of Education is committed to creating an intellectual environment that promotes quality instruction, significant research and external funding, and professional service. Our mission is to achieve prominence locally, nationally, and internationally as a leading source of significant knowledge and innovative models to inform and affect policy, practice, and research. Particular attention is focused on preparing professionals for diverse educational and clinical settings and on contributing to educational and pedagogical knowledge through scholarly endeavors. Furthermore, the College of Education is committed to creating an inclusive learning environment that values and promotes diversity. Collaboration among students, faculty, other professionals, and community members is essential to being a premier college of education.

The College of Education provides dynamic graduate programs that engage students in field-based practice and research, offering students an exciting opportunity to study at a nationally recognized university situated within one of the fastest growing cities and school districts in the country.

The College of Education offers graduate programs in school psychology, mental health counseling, teacher education, curriculum and instruction, higher education, educational psychology, educational policy and leadership, English language learning, special education, and early childhood education. Graduate programs in the College of Education include master, educational specialist, and doctoral degrees as well as post-baccalaureate programs for initial teacher licensure and additional endorsement to licensure. These programs are available in four departments: Department of Counselor Education, School Psychology, and Human Services; Department of Early Childhood, Multilingual, and Special Education; Department of Educational Psychology & Higher Education; and Department of Teaching & Learning. The College of Education has an outstanding graduate faculty who are internationally and nationally recognized for their scholarship and leadership in their respective disciplines.

The College of Education is accredited by the Northwest Commission on Colleges and Universities (NWCCU), which is an independent, non-profit membership organization recognized by the U.S. Department of Education as the regional authority on educational quality and institutional effectiveness of higher education institutions in the seven-state Northwest region of Alaska, Idaho, Montana, Nevada, Oregon, Utah, and Washington. It fulfills its mission by establishing accreditation criteria and evaluation procedures by which institutions are reviewed. The COE is also accredited by the State of Nevada and the National Association of School Psychologists.

*Danica G. Hays, Ph.D., Interim
Dean, College of Education*

*Gwen Marchand, Ph.D., Associate Dean
for Research and Sponsored Projects*

Programs

Counselor Education, School Psychology, and Human Services

Early Childhood, Multilingual, and Special Education

Educational Psychology and Higher Education

Teaching and Learning

Counselor Education, School Psychology, and Human Services

Chris Wood, Ph.D., Chair

Jared Lau, Ph.D., Graduate Coordinator

Sam Song, Ph.D., Graduate Coordinator

Counselor Education, School Psychology, and Human Services Faculty

Chair

Wood, Chris - Full Graduate Faculty

Associate Professor; B.A., Gonzaga University; M.S., Eastern Washington University; Ph.D., Oregon State University. Rebel since 2015.

Graduate Coordinator

Lau, Jared - Full Graduate Faculty

Associate Professor; B.S., University of Hawai'i at Mānoa; M.A., University of San Diego; Ph.D., University of North Carolina at Charlotte. Rebel since 2013.

Song, Sam - Full Graduate Faculty

Associate Professor; B.A., Emory University; Ph.D., University of Nebraska-Lincoln. Rebel since 2016.

Graduate Faculty

Cassella, Heather

Visiting Instructor; B.A., M.S., University of Nevada, Las Vegas. Rebel since 2017.

Chen, Ching-Chen - Full Graduate Faculty

Assistant Professor; B.Ed., M.S., National Dong Hwa University; Ed.D., University of Cincinnati. Rebel since 2016.

Dambo, Neffisatu - Full Graduate Faculty

Assistant Professor; B.S., B.A., Southern Illinois University Carbondale; M.S., Eastern Illinois University; M.S., University of Illinois at Urbana-Champaign; Ph.D., University of Central Florida. Rebel since 2019.

Dahl, Heather - Full Graduate Faculty

Assistant Professor; B.A., M.S., Central Washington University; Ph.D., Old Dominion University. Rebel since 2018.

Gleason, Brett - Full Graduate Faculty

Assistant Professor; B.S., M.Ed., Texas Tech University; Ph.D., Old Dominion University. Rebel since 2018.

Harris, Katrina - Full Graduate Faculty

Assistant Professor in Residence; B.A., Stephens College; M.Ed., Ph.D., University of Nevada, Las Vegas. Rebel since 2001.

Hoskins, Wendy J. - Full Graduate Faculty

Associate Professor; B.A. William Penn College; M.A., Truman State University; Ph.D., Idaho State University. Rebel since 2004.

Jemison, Chiante “C.J.”

Visiting Instructor; B.S., University of Phoenix; M.S., Purdue University. Rebel since 2019.

Lee, Katherine - Full Graduate Faculty

Assistant Professor in Residence; B.A., Princeton University; M.Ed., Ph.D., Teachers College, Columbia University. Rebel since 2015.

Leverett, Patrice - Full Graduate Faculty

Assistant Professor; B.A., University of Pittsburgh; M.S., Queens College of New York; Ph.D., University of Wisconsin-Madison. Rebel since 2018.

Loe, Scott - Full Graduate Faculty

Associate Professor; B.S, Arizona State University; M.A., Ph.D., The Ohio State University. Rebel since 2003.

Nixon, John - Full Graduate Faculty

Assistant Professor in Residence; B.A., Trinity University; M.Div., Holly Cross Greek Orthodox School of Theology; Ed.D., University of Northern Colorado. Rebel since 2017.

Smith, Shannon - Full Graduate Faculty

Professor; M.A., Ashland Theological Seminary; Ph.D., Oregon State University. Rebel since 2004.

Villar, Tam - Full Graduate Faculty

Assistant Professor in Residence; B.A., University of Washington; M.A, Seattle University; Ph.D., Walden University. Rebel since 2019.

Plans

Advanced Graduate Certificate in Addiction Studies

Advanced Graduate Certificate in Mental Health Counseling

Master of Science - Clinical Mental Health Counseling

Master of Education - School Counseling

Education Specialist - School Psychology

Doctor of Philosophy - School Psychology

Advanced Graduate Certificate in Addiction Studies

Plan Description

The Department of Counselor Education, School Psychology, and Human Services offers an Advanced Graduate Certificate in Addiction Studies. The certificate program is designed for individuals already holding master’s degrees in counseling who are seeking to enhance their professional counseling practice and licensure options.

The Advanced Graduate Certificate in Addictions Studies meets the needs of health professionals such as marriage and family therapists, community counselors, rehabilitation counselors, school counselors, physicians, psychologists, social workers, and behavioral health therapists by providing graduate addiction training to help them address client needs.

Faculty members in the Department of Counselor Education, School Psychology, and Human Services endeavor to promote excellence in counselor education and counseling research. Our graduate counseling

programs prepare students to:

- Serve as professional counselors, advocates, and leaders who maximize opportunities for individuals, groups, and communities with a particular emphasis on helping underserved and oppressed client populations;
- Address developmental, academic, career, mental health, socio-cultural, and wellness needs of clients seeking counseling;
- Help individuals, groups and communities strive to find meaning, involvement, worth, and dignity in their lives;
- Engage in action research and program evaluations to further the knowledge base and best practice initiatives of the counseling profession; and
- Advocate with local, state, and national organizations to promote client and societal wellbeing.

For more information about your program, including your graduate program handbook and learning outcomes, please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

Students must already be holding a master’s degree in counseling, or be currently admitted to the Clinical and Mental Health Counseling M.S. program at UNLV.

All applicants must review and follow the Graduate College Admission and Registration Requirements, including the submission of all post-secondary transcripts, letters of recommendations, a resume/CV, and responses to the writing sample prompts.

Students are accepted into a certificate program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

See Subplan Requirements below.

Subplan 1 Requirements: Con-Current Master’s Track

Total Credits Required: 12

Course Requirements

Required Courses – Credits: 9

Complete 9 credits of advisor-approved coursework.

Final Project – Credits: 3

- CED 787 - Individual Research

Certificate Requirements

- Completion of a minimum of 12 credit hours with a minimum GPA of 3.00.

- Students who receive an F or more than two C grades will be separated from the program.
- Students are expected to follow continuous enrollment policies stated in the graduate catalog.
- The courses listed above may only be taken after the core degree requirements for the Clinical and Mental Health Counseling Program are met.

Certificate Completion Requirements

See Plan Certificate Completion Requirements below.

Subplan 2 Requirements: Post-Master's Track

Total Credits Required: 24

Course Requirements

Required Courses – Credits: 21

Complete 21 credits of advisor-approved coursework.

Final Project – Credits: 3

- CED 787 - Individual Research

Certificate Requirements

Completion of a minimum of 24 credit hours with a minimum GPA of 3.00.

Students who receive an F or more than two C grades will be separated from the program.

Students are expected to follow continuous enrollment policies stated in the graduate catalog.

Certificate Completion Requirements

See Plan Certificate Completion Requirements below.

Plan Certificate Completion Requirements

- The student must submit all required forms to the Graduate College and then apply for graduation in MyUNLV by the appropriate deadline.
- The student must successfully complete the final project.

Advanced Graduate Certificate in Mental Health Counseling

Plan Description

The Department of Counselor Education, School Psychology, and Human Services offers an Advanced Graduate Certificate in Mental Health Counseling. The certificate program is designed for individuals already holding master's degrees in counseling who are seeking to enhance their professional counseling practice and licensure options.

The Advanced Graduate Certificate in Mental Health Counseling is targeted primarily toward those individuals who have graduated from CACREP accredited or equivalent programs, but do not meet the necessary educational requirements for the LPC in the State of

Nevada.

Faculty members in the Department of Counselor Education, School Psychology, and Human Services endeavor to promote excellence in counselor education and counseling research. Our graduate counseling programs prepare students to:

Serve as professional counselors, advocates, and leaders who maximize opportunities for individuals, groups, and communities with a particular emphasis on helping underserved and oppressed client populations;

Address developmental, academic, career, mental health, socio-cultural, and wellness needs of clients seeking counseling;

Help individuals, groups and communities strive to find meaning, involvement, worth, and dignity in their lives;

Engage in action research and program evaluations to further the knowledge base and best practice initiatives of the counseling profession; and

Advocate with local, state, and national organizations to promote client and societal wellbeing.

The certificate consists of 12-24 credits, based on the student's master's degree training.

For more information about your program, including your graduate program handbook and learning outcomes, please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

The Advanced Graduate Certificate in Mental Health Counseling is an extension of the M.S. degree and is geared for those individuals who have graduated from CACREP accredited or equivalent programs, but do not meet the necessary educational requirements for the Nevada licensure for Clinical Professional Counselors (LCPC).

All applicants must review and follow the Graduate College Admission and Registration Requirements, including the submission of all post-secondary transcripts, letters of recommendations, a resume/CV, and responses to the writing sample prompts.

Students are accepted into a certificate program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

See Subplan Requirements below.

*Subplan 1 Requirements: Post CACREP
Community Counseling Master's Track*

Total Credits Required: 12

Course Requirements

Required Courses – Credits: 12

Complete 12 credits of advisor-approved coursework.

Certificate Requirements

- Completion of a minimum of 12 credit hours with a minimum GPA of 3.00.
- Students who receive an F or more than two C grades will be separated from the program.
- Students are expected to follow continuous enrollment policies stated in the graduate catalog.

Certificate Completion Requirements

See Plan Certificate Completion Requirements below.

*Subplan 2 Requirements: Con-Current
School Counseling Master's Track*

Total Credits Required: 12-24

Course Requirements

Required Courses – Credits: 12-24

Complete 12-24 credits of advisor-approved coursework.

Certificate Requirements

- Completion of a minimum of 12-24 credit hours with a minimum GPA of 3.00.
- Students who receive an F or more than two C grades will be separated from the program.
- Students are expected to follow continuous enrollment policies stated in the graduate catalog.

Certificate Completion Requirements

See Plan Certificate Completion Requirements below.

*Subplan 3 Requirements: Non-CACREP
Community Counseling Master's Track*

Total Credits Required: 24

Course Requirements

Required Courses – Credits: 24

Complete 24 credits of advisor-approved coursework.

Certificate Requirements

- Completion of a minimum of 24 credit hours with a minimum GPA of 3.00.
- Students who receive an F or more than two C grades will be separated from the program.
- Students are expected to follow continuous enrollment policies stated in the graduate catalog.

Certificate Completion Requirements

See Plan Certificate Completion Requirements below.

*Subplan 4 Requirements: Post Counseling
Related Master's Track*

Total Credits Required: 24

Course Requirements

Required Courses – Credits: 24

Complete 24 credits of advisor-approved coursework.

Certificate Requirements

- Completion of a minimum of 24 credit hours with a minimum GPA of 3.00.
- Students who receive an F or more than two C grades will be separated from the program.
- Students are expected to follow continuous enrollment policies stated in the graduate catalog.

Certificate Completion Requirements

See Plan Certificate Completion Requirements below.

Plan Certificate Completion Requirements

The student must submit all required forms to the Graduate College and then apply for graduation in MyUNLV by the appropriate deadline.

**Master of Science - Clinical Mental Health
Counseling**

Plan Description

The Department of Counselor Education, School Psychology & Human Services offers a 60 credit Master of Science (M.S.) – Clinical Mental Health Counseling. Graduates of the M.S. program are eligible to sit for the National Counselor Examination in order to qualify for the National Certified Counselor (NCC) credential.

The Clinical Mental Health Counseling program, a 60-credit hour course of study, is designed to train professional counselors for work in a variety of community and mental health settings. Community mental health counselors work in local, state, and federal agencies, as well as private for-profit and non-profit agencies.

The Clinical Mental Health Counseling M.S. degree offers a unique arena for the development of counseling theory and in depth research in issues impacting community and mental health, as well as continuing the development of professional counselors to meet the diverse needs of Southern Nevada, the region, and the nation.

Faculty members in the Department of Counselor Education endeavor to promote excellence in counselor education and counseling research. Our graduate counseling programs prepare students to:

Serve as professional counselors, advocates, and leaders who maximize opportunities for individuals, groups, and communities with a particular emphasis on helping underserved and oppressed client populations;

Address developmental, academic, career, mental health, socio-cultural, and wellness needs of clients seeking counseling;

Help individuals, groups and communities strive to find meaning, involvement, worth, and dignity in their lives;

Engage in action research and program evaluations to further the knowledge base and best practice initiatives of the counseling profession; and

Advocate with local, state, and national organizations to promote client and societal wellbeing.

For more information about your program, including your graduate program handbook and learning outcomes please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

The master degree program requires that an application for admission be submitted to the Graduate College and the Department of Department of Counselor Education, School Psychology & Human Services as well as transcripts of all college-level work. A minimum grade point average of 2.75 for all undergraduate work and a 3.00 for the last two years of undergraduate work is required.

Applicants must provide three letters of recommendation directly to the department along with a departmental application form that includes a writing sample. Final applicants undergo an extensive/structured personal interview. Students should refer to the department website. Students are admitted once each year, with an application deadline of February 1st.

All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

Total Credits Required: 60

Course Requirements

Required Courses – Credits: 60

Students must complete 6 credits of CED 751.

- CED 701 - Introduction to Counseling
- CED 703 - Counseling with Expressive Arts and Activities

- CED 710 - Relationships Through the Lifespan
- CED 711 - Counseling Appraisal and Inquiry
- CED 715 - Counseling and Consultation Theories
- CED 721 - Career Theories and Practices
- CED 727 - Counseling Process and Procedures
- CED 731 - Social Justice and Advocacy in Counseling
- CED 732 - Advanced Multicultural Counseling
- CED 733 - Introduction to Group Counseling
- CED 735 - Addictions Counseling
- CED 738 - Introduction to Clinical Mental Health Counseling
- CED 741 - Practicum
- CED 743 - Ethical and Legal Issues in Counseling
- CED 751 - Internship in Counseling I
- CED 766 - Psychopathology and Wellness Models in Counseling
- CED 772 - Counseling and Spirituality
- EPY 702 - Research Methods
- EPY 711 - Human Growth and Development

Degree Requirements

1. All full and part-time students entering into the M.S. program are required to enroll in the following courses during their first fall semester: CED 701 - Introduction to Counseling and CED 727 - Counseling Process and Procedures.
2. A grade of B or better is required in both CED 701 and CED 727 in order to continue taking coursework in the M.S. program. Students who make a grade of B- or lower (but not an F) in either CED 701 or CED 727 will be placed on probation and may not continue taking other coursework in the M.S. program until successfully repeating these courses. If after a second attempt a student does not make a B or better, the student will be officially separated from the graduate program.
3. Students must make a grade of B or better in CED 741 in order to enroll in CED 751. A grade of B or better is required for all internship courses (CED 751 and CED 775) or they must be repeated.
4. A student receiving a grade of F in any required course in the degree program will be officially separated from the graduate program. Students must repeat any course in which they make a grade of C- or lower. Students making three or more grades of B- or lower will be officially separated from the graduate program. In order to earn the degree, students must have a cumulative GPA of 3.0 or better.
5. Students must successfully complete and pass the final comprehensive exam.

Plan Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements for the program.
2. The student must successfully complete and pass the final comprehensive exam.

Master of Education - School Counseling

Plan Description

The Department of Counselor Education, School Psychology & Human Services offers a 48 credit Master of Education (M.Ed.) – School Counseling. Graduates of the M.Ed. programs are eligible to sit for the National Counselor Examination in order to qualify for the National Certified Counselor (NCC) credential.

The Master of Education – School Counseling degree at UNLV requires a minimum of 48 graduate semester credits and prepares educational professionals who work to meet the academic, career, personal, and social needs of culturally and linguistically diverse K-12 student populations. The program prepares school counselors to fulfill the following roles:

Serve as advocates, educational leaders, team members, consultants, and counselors to maximize opportunities for students to succeed academically;

Address the academic, career, and personal/social needs of all students in the school;

Serve as leaders of equity and achievement and be able to address institutional and environmental barriers impeding student progress;

Through the collection and dissemination of data, advocate for systemic change to promote student achievement and academic success; and

Become managers of resources and partnership builders, enlisting the support of parents, agencies, and community members.

For more information about your program, including your graduate program handbook and learning outcomes, please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

The master degree program requires that an application for admission be submitted to the Graduate College and the Department of Department of Counselor Education, School Psychology & Human Services as well as transcripts of all college-level work. A minimum grade point average of 2.75 for all undergraduate work and a 3.00 for the last two years of undergraduate work is required.

Applicants must provide three letters of recommendation directly to the department along with a departmental application form that includes a writing sample. Final applicants undergo an extensive/structured personal interview. Students should refer to the department website. Students are admitted once each year, with an application deadline of February 1st.

All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

Total Credits Required: 48

Course Requirements

Required Courses – Credits: 48

- CED 701 - Introduction to Counseling
- CED 703 - Counseling with Expressive Arts and Activities
- CED 711 - Counseling Appraisal and Inquiry
- CED 713 - Introduction to School Counseling
- CED 715 - Counseling and Consultation Theories
- CED 721 - Career Theories and Practices
- CED 727 - Counseling Process and Procedures
- CED 731 - Social Justice and Advocacy in Counseling
- CED 733 - Introduction to Group Counseling
- CED 735 - Addictions Counseling
- CED 741 - Practicum
- CED 743 - Ethical and Legal Issues in Counseling
- CED 750 - Advanced Seminars in School Counseling
- CED 751 - Internship in Counseling I
- CED 752 - Internship in Counseling II
- CED 753 - Internship in Counseling III
- EPY 702 - Research Methods
- EPY 711 - Human Growth and Development

Degree Requirements

1. All full and part-time students entering into the M.Ed. program are required to enroll in the following courses during their first fall semester: CED 701 - Introduction to Counseling and CED 727 - Counseling Process and Procedures.
2. A grade of B or better is required in both CED 701 and CED 727 in order to continue taking coursework

in the M.Ed. program. Students who make a grade of B- or lower (but not an F) in either CED 701 or CED 727 will be placed on probation and may not continue taking other coursework in the M.Ed. program until successfully repeating these courses. If after a second attempt a student does not make a B or better, the student will be officially separated from the graduate program.

3. Students must make a grade of B or better in CED 741 in order to enroll in CED 751. A grade of B or better is required for all internship courses (CED 751 and CED 775) or they must be repeated.
4. A student receiving a grade of F in any required course in the degree program will be officially separated from the graduate program. Students must repeat any course in which they make a grade of C- or lower. Students making three or more grades of B- or lower will be officially separated from the graduate program. In order to earn the degree, students must have a cumulative GPA of 3.0 or better.
5. Students must successfully complete and pass the final comprehensive exam.

Plan Graduation Requirements

The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements for the program.

The student must successfully complete and pass the final comprehensive exam.

Education Specialist - School Psychology

This program is accredited by: NASP. More information can be found at: unlv.edu/provost/vpaa/accreditation

Plan Description

School Psychology Ed.S. program is based upon standards set forth by Nevada state and national accreditation organizations and is a nationally approved program by the National Association of School Psychologist (NASP). Students pursuing school psychology studies meet credential standards by completing at least 65 semester hours beyond the bachelor's degree of required and elective graduate-level course work including a 1,200 hours of supervised internship. Completion of this program of graduate study enables the student to receive state licensure as a school psychologist in Nevada and the opportunity to gain national certification as a Nationally Certified School Psychologist (NCSP).

The program adopts a Cultural Ecological framework of school psychology and the scientist/practitioner model of training. Courses and practica seek to integrate theory and applied skills for working in schools and other educational settings. The primary goal of the school psychology program is to prepare professional school psychologists

who can apply psychological principles to (a) promote healthy development in school and (b) ameliorate various cognitive, academic and psychosocial challenges for all children, families, schools, and communities in an increasingly diverse and global society.

For more information about your program, including your graduate program handbook and learning outcomes, please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

Students are admitted each spring to begin the following fall. Applicants must have a 2.75 undergraduate GPA with the last two years GPA of 3.0. The GRE must also be taken, with preference given to applicants who score at or above the 50% percentile on both the verbal and quantitative scores on the GRE. The admission process begins with applications submitted to the Graduate College and to the program

Admission is based on the following criteria:

1. Graduate College online application
2. Department application
3. Preference is given to students whose scores relate to the 50th percentile or better on the verbal and quantitative sections of the Graduate Record Examination (GRE)
4. Three letters of recommendation from former instructors, employers, or other professionals who can evaluate the potential to complete graduate study
5. One-page career goals statement which also serves as a sample of the applicant's writing skills
6. Transcripts from all colleges and universities attended

All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

Total Credits Required: 65

Course Requirements

Psychology/Educational Foundations Courses – Credits: 9

Students must take 6 credits of the EPP-772 course.

- EPP 760 - Cultural Ecological Model in School Psychology
- EPP 772 - Seminar in Psychological Science & Integration

Psychology/Educational Foundations Elective Course – Credits: 6

Students must also complete 6 credits of a advisor-approved electives. Illustrative prefixes include, but are not limited to: CED, CIL, ESP, TESL.

Assessment & Intervention Courses – Credits: 25

Students must also complete 3 credits of an advisor-approved elective in academic interventions or strategies. Illustrative prefixes include, but are not limited to: CIL, ESP, TESL.

- EPP 710 - Assessment of Intelligence by School Psychologists
- EPP 715 - Projective, Personality, and Behavioral Assessment by School Psychologists
- EPP 730 - Consultation Theory & Skills
- EPP 735 - Evidence Based Interventions to Promote Mental Health
- EPP 763 - Psychoeducational Academic and Diagnostic Assessment
- EPP 770 - Systems Change, Leadership, & Advocacy in Schools
- EPP 775 - Crisis Prevention and Intervention with Children and Youth
- EPY 786 - Applied Assessment in Educational and School Psychology

Research Course – Credits: 3

- EPY 702 - Research Methods

Professional School Psychology Courses – Credits: 10

- EPP 761 - Role & Function of the School Psychologist in a Global Society
- EPP 764 - Psychology Ethics Seminar
- EPP 745 - Legal Clinic on Law, Ethics, & Advocacy
- EPP 777 - Family-School Partnerships in School Psychology

School Psychology Course – Credits: 6

- EPP 762 - School Psychology Intervention with Practicum

Internship Course – Credits: 6

- EPP 769 - Internship in School Psychology

Degree Requirements

The student must complete a minimum of 65 credit hours with a minimum GPA of 3.00

.Course substitutions may be allowed with advisor and/or program faculty approval.

* An elective may be taken in research (EPY) and is highly recommended for those students who want to earn their M.S. in Educational Psychology (see below) and/or for

those students seeking doctoral studies in the future. Elective may also be taken in EPP, CED, ESP, or other course approved by the academic advisor.

The culminating experience for the School Psychology Ed.S. is the completion of a two-semester (minimum of 1200 clock hours) internship in a school setting. This is typically a full-time assignment, completed at the end of the program. During this time students will also enroll in EPP 769 and complete a portfolio with results of a national exam and examples of work product. The portfolio will serve as the final examination for the Ed.S. degree.

Students will typically have completed all other coursework prior to being approved for internship. Students must have successfully completed the primary assessment courses (EPP 710, EPP 715, EPP 763) and the practica to be eligible for internship placement.

Plan Graduation Requirements

The student must submit all required forms to the Graduate College and then apply for graduation from both degrees (where applicable) up to two semesters prior to completing his/her degree requirements.

Doctor of Philosophy - School Psychology

Plan Description

The Ph.D. in School Psychology is rooted in training that emphasizes cultural diversity, a systems perspective, and the integration of science and practice. Doctoral students are trained to be health service psychologists (HSPs), with a specialization in school psychology, who address psychological concerns through both scholarly research and the application of psychological knowledge and skills in practice. The Ph.D. in School Psychology trains students to be licensed school psychologists in schools, HSPs licensed for independent practice, and researchers who are able to become faculty in academia. Doctoral students train in schools, The PRACTICE, a community mental health center located in the COE, and other community settings. Training is sequenced and rigorous adhering to training standards espoused by the American Psychological Association (APA), the Nevada Board of Psychological Examiners (NBPE), the National Association of School Psychologists (NASP), and the Nevada Department of Education (NDOE).

The School Psychology Ph.D. program's high-level aims, or goals, include the following:

Aim 1: Train leaders in the field who promote the science of psychology and advocate for the well-being of diverse children and youth through their scholarship and research; and,

Aim 2: Train health service psychologists to deliver school psychological services and advocate for the well-being of diverse children and youth through their services.

Careers:

Careers in school psychology typically involve employment in K-12 schools, private practice, hospital and mental health agencies and centers, research centers, and academia. Career practices usually involve assessment, prevention, treatment, consultation, program development and evaluation, and clinical supervision.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

Admission to the School Psychology PhD program and Post-EdS Track will be limited to the most qualified applicants based on a combination of the following:

- A bachelor's degree with an undergraduate grade point average of 3.00 or above.
- If graduate course work has been completed, a graduate grade point average of 3.00 or above.
- Preference given to scores that relate to the 50th percentile or better on the verbal and quantitative sections of the Graduate Record Examination (GRE). Students who have earned a graduate degree do not need to submit a GRE.
- A minimum score determined by the current Graduate Catalog on the Test of English as a Foreign Language (TOEFL) is also required for students who do not speak English as their first language.
- Three letters of reference from university faculty or other individuals qualified to judge the applicant's academic potential and professionalism.
- The applicant's personal statement of professional interests, career goals, research interests, and experiences and commitment to diversity. Two to three pages.
- A current CV or resume.
- A scholarly or professional writing sample (any length).

Graduate College application is available online. Applications for admission will be considered once a year. The deadline for the receipt of applications is December 15th with notification of interviews by early- to mid-January.

Post-EdS Track:

Students admitted for this track have completed their Ed.S. degree (or specialist level of training) from a NASP-approved program that is consistent with the Cultural Ecological model of training provided here at UNLV. Students who have not met these standards: (a) graduation from NASP-approved EdS program and (b) graduation from an EdS program consistent with a Cultural Ecological model, are still considered for Conditional Admission with the understanding that their programs of study will include additional course work.

Post-Masters Track:

Students who have earned a masters degree in a related field (or completed some graduate coursework) may be admitted in the Post-Masters Track under Conditional Admission with the understanding that their programs of study will include additional coursework, which may be significant depending on the type of masters degree earned.

After a student is admitted and matriculates to the program, a thorough evaluation by the faculty of the candidate's transcript, course syllabi, and knowledge/skills of psychology and school psychology will be conducted to determine if the competencies of the UNLV Ed.S. program have been met. The result of this evaluation will determine the final requirements for the student's program of studies.

Plan Requirements

Subplan 1 Requirements: Post Bachelor's Track

Total Credits Required: 122

Course Requirements

School Psychology Core - Credits: 44

Students must complete 2 credits of the EPP 786 course. Students must complete 6 credits of the EPP 762 course. The satisfactory completion of two-credits of EPP 786 is required before enrolling in EPP 762.

- EPP 761 - Role & Function of the School Psychologist in a Global Society
- EPP 760 - Cultural Ecological Model in School Psychology
- EPP 777 - Family-School Partnerships in School Psychology
- EPY 702 - Research Methods
- EPP 710 - Assessment of Intelligence by School Psychologists
- EPP 763 - Psychoeducational Academic and Diagnostic Assessment
- EPP 715 - Projective, Personality, and Behavioral Assessment by School Psychologists
- EPP 735 - Evidence Based Interventions to Promote Mental Health
- EPP 730 - Consultation Theory & Skills
- EPP 770 - Systems Change, Leadership, & Advocacy in Schools
- EPP 775 - Crisis Prevention and Intervention with Children and Youth
- EPP 786 - School Psychology First Year Practicum
- EPP 745 - Legal Clinic on Law, Ethics, & Advocacy
- EPP 762 - School Psychology Intervention with Practicum

Advanced Research Courses - Credits: 24

Students must complete 6 credits of the EPP 771 course across the first two years of the program.

- EPY 721 - Descriptive and Inferential Statistics: An Introduction
- EPY 722 - Inferential Statistics and Experimental Design
- EPY 723 - Psychometrics I
- EPY 732 - Multiple Regression
- ESP 788 - Single Subject Methods in Special Education
- EPP 771 - School Psychology Research
- EPP 776 - School Psychology Research Development

Advanced Research Elective - Credits: 3

Students must complete a 3-credit advisor-approved elective in research methods or analysis. Illustrative courses include, but are not limited to the following:

- EPY 710 - Survey Methods and Design
- EPY 716 - Evaluation Research Methods
- EPY 718 - Qualitative Research Methodologies
- EPY 719 - Advanced Qualitative Research
- EPY 729 - Qualitative Case Study Research
- EPY 731 - Mixed Methods Research
- EPY 733 - Multivariate Statistics
- EPY 734 - Structural Equation Modeling
- EPY 738 - Discourse Analysis
- EPY 746 - Multilevel Statistical Models: Theory and Application
- EPY 747 - Large Scale Secondary Data Analysis

Professional Psychology Courses - Credits: 39

Students must complete 6 credits of the EPP 772, and 6 credits of the EPP 793 course. Complete also 3 credits of advisor-approved electives in each of the following three topics for a total 9 credits: (a) diversity, multiculturalism and social justice; (b) biological foundations of behavior (PSY 701, PSY 720, or EPP-equivalent only); and, (c) intervention (EPP, CED, or PSY courses only).

- EPP 723 - Diagnostic and Prescriptive Strategies: Psychopathology
- EPP 767 - School-Based Neuropsychological Assessment
- EPP 772 - Seminar in Psychological Science & Integration
- EPP 774 - Evidence-Based Child & Youth Psychotherapy
- EPP 784 - Supervision and Teaching Practicum

- EPP 793 - Advanced Doctoral Practicum
- EPP 794 - Internship in Health Service Psychology

Dissertation - Credits: 12

- EPP 799 - Dissertation

Subplan 2 Requirements: Post Ed.S. Track

Total Credits Required: 79

Course Requirements

Advanced Research Courses - Credits: 24

Students must complete 6 credits of the EPP 771 course across the first two years of the program.

- EPY 721 - Descriptive and Inferential Statistics: An Introduction
- EPY 722 - Inferential Statistics and Experimental Design
- EPY 723 - Psychometrics I
- EPY 732 - Multiple Regression
- ESP 788 - Single Subject Methods in Special Education
- EPP 771 - School Psychology Research
- EPP 776 - School Psychology Research Development

Advanced Research Elective - Credits: 3

- EPY 731 - Mixed Methods Research
- EPY 729 - Qualitative Case Study Research
- EPY 719 - Advanced Qualitative Research
- EPY 716 - Evaluation Research Methods
- EPY 718 - Qualitative Research Methodologies
- EPY 710 - Survey Methods and Design
- EPY 734 - Structural Equation Modeling
- EPY 738 - Discourse Analysis
- EPY 746 - Multilevel Statistical Models: Theory and Application
- EPY 747 - Large Scale Secondary Data Analysis

Professional Psychology Courses - Credits: 40

Students must complete 6 credits of the EPP 772, and 6 credits of the EPP 793 course. Students complete 3 credits of advisor-approved electives in each of the following three topics for a total of 9 credits: (a) diversity, multiculturalism and social justice; (b) biological foundations of behavior (PSY 701, PSY 720, or EPP-equivalent only); and, (c) intervention (EPP, CED, or PSY courses only).

- EPP 723 - Diagnostic and Prescriptive Strategies: Psychopathology
- EPP 764 - Psychology Ethics Seminar
- EPP 767 - School-Based Neuropsychological

Assessment

- EPP 772 - Seminar in Psychological Science & Integration
- EPP 774 - Evidence-Based Child & Youth Psychotherapy
- EPP 784 - Supervision and Teaching Practicum
- EPP 793 - Advanced Doctoral Practicum
- EPP 794 - Internship in Health Service Psychology

Dissertation - Credits: 12

- EPP 799 - Dissertation

Subplan 3 Requirements: Post Masters Track

Total Credits Required: 93 credits

Course Requirements

School Psychology Courses - Credits: 14

Complete 14 credits of advisor-approved courses in School Psychology topics.

Advanced Research Courses - Credits: 24

Students must complete 6 credits of the EPP 771 course across the first two years of the program.

- EPY 721 - Descriptive and Inferential Statistics: An Introduction
- EPY 722 - Inferential Statistics and Experimental Design
- EPY 723 - Psychometrics I
- EPY 732 - Multiple Regression
- ESP 788 - Single Subject Methods in Special Education
- EPP 771 - School Psychology Research
- EPP 776 - School Psychology Research Development
- Advanced Research Elective - Credits: 3
- EPY 710 - Survey Methods and Design
- EPY 716 - Evaluation Research Methods
- EPY 718 - Qualitative Research Methodologies
- EPY 719 - Advanced Qualitative Research
- EPY 729 - Qualitative Case Study Research
- EPY 731 - Mixed Methods Research
- EPY 734 - Structural Equation Modeling
- EPY 738 - Discourse Analysis
- EPY 746 - Multilevel Statistical Models: Theory and Application
- EPY 747 - Large Scale Secondary Data Analysis

Professional Psychology Courses - Credits: 40

Students must complete 6 credits of the EPP 772, and 6

credits of the EPP 793 course. Complete also 3 credits of advisor-approved electives in each of the following three topics for a total of 9 credits: (a) diversity, multiculturalism and social justice; (b) biological foundations of behavior (PSY 701, PSY 720, or EPP-equivalent only); and, (c) intervention (EPP, CED, or PSY courses only).

- EPP 723 - Diagnostic and Prescriptive Strategies: Psychopathology
- EPP 767 - School-Based Neuropsychological Assessment
- EPP 772 - Seminar in Psychological Science & Integration
- EPP 774 - Evidence-Based Child & Youth Psychotherapy
- EPP 784 - Supervision and Teaching Practicum
- EPP 793 - Advanced Doctoral Practicum
- EPP 764 - Psychology Ethics Seminar

Dissertation - Credits: 12

- EPP 799 - Dissertation

Degree Requirements

1. Students must successfully complete a minimum of 122 credit hours (or 79 credit hours for Post-Ed.S. Track, and 93 credit hours for Post-Masters Track) while earning a grade of B or better in all course work (i.e., a grade of B- and lower is unacceptable and the course must be retaken).
2. Of the 122 credits, 44 are school psychology specialization courses equivalent to the first-two years of the specialist level of training (Ed.S. degree). Students in the Post-Ed.S. Track and Post-Masters Track will take the courses that are deemed necessary after an evaluation of their transcript, relevant syllabi, and knowledge/skills in psychology and school psychology conducted by the program curriculum committee.
3. Of the 122 credits, 79 are health service psychology courses in the areas of research, scientific psychology, and advanced delivery of psychology and school psychology services, which are shared with other graduate programs in the department, college, and university.
4. Students must complete several projects to evaluate the progression of scholarly and research skills called "benchmarks:" (a) Benchmark 1 Project is to be completed during the first two years of the program; and, (b) Benchmark 2 Project (Preliminary Exam) is to be completed by the end of year three.
5. In consultation with their advisor, a student will organize a dissertation committee of at least three departmental members (one of which must be a school psychology core faculty as chair). A fourth member from outside the department, known as the Graduate

College Representative, must be appointed. A fifth committee member may be added at the student and advisor's discretion. Please see Graduate College policy for committee appointment guidelines.

6. Students submit a Portfolio of work near the completion of the program that satisfies APA standards of accreditation and program competencies.
7. Specific specialization courses in research are determined by the student in consultation with their advisor and/or committee. While an advisor is assigned to the student upon gaining admission based on stated research interests, the student may change advisors at any time.
8. Students must conform to all policies of the UNLV Graduate College, as stated in the UNLV Graduate Catalog, those stated in the UNLV School Psychology Doctoral Program Student Handbook, and the American Psychological Association Code of Ethics.
9. Students will be evaluated at least yearly across several professional competencies including technical standards for health service psychologists. Inadequate performance in one or more may result in the imposition of additional requirements, loss of Graduate Assistantship, probation, or separation from the program.
10. Transfer Credits. Admitted students may transfer credits from graduate studies in other programs contingent upon evaluation by faculty, departmental approval, and in accordance with Graduate College policy.

Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements for the doctoral degree
2. The student must submit and successfully defend his/her dissertation by the posted deadline. The defense must be advertised and is open to the public. After the dissertation defense, the student must electronically submit a properly formatted pdf copy of their dissertation to the Graduate College for format check. Once the dissertation format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for dissertation defenses, format check submissions, and the final ProQuest submission can be found here.

Counselor Education, School Psychology, and Human Services Courses

CED 608 - Counseling the Older Adult Credits 3
Overview of issues that may be encountered while counseling the older adult. Reviews information on the nature, diagnosis and treatment of common mental health problems of later life. Introduces students to services and support systems that are available to older adults and their families that will assist in the referral process.

Notes: This course is crosslisted with CED 408. Credit at the 600-level requires additional work.

CED 620 - Identification, Assessment, and Treatment of The Process Addictions Credits 3

This course is designed to develop the knowledge and skills to identify, assess, and treat various process and co-occurring disorders. Emphasis will be placed on creating an understanding of the history, philosophy, and trends of addiction counseling. In addition, knowledge of the current literature that outlines theories, approaches, effective strategies, and techniques when working with these addictions will be explored. Teaching method is lecture, presentations, role plays, videos and discussion. Grading Letter grade

CED 639 - Problem Gambling Counseling I Credits 3

Orients students to the history, etiology and prevalence of compulsive gambling. Provides students with the knowledge of assessment tools and counseling skills. Characteristics of compulsive gambling behavior, stages of progression, distinctions and connections to other addictions, effects on families, finances and legal issues. Notes: This course is crosslisted with CED 439. Credit at the 600-level requires additional work. Corequisite: CED 735.

CED 640 - Problem Gambling Counseling II Credits 3

Provides students with a thorough understanding of client-oriented counseling modalities and strategies. Provides skills to utilize and interpret assessment tools and provide treatment planning. Practical applications and clinical skills. Notes: This course is crosslisted with CED 440. Credit at the 600 level requires additional work. Prerequisites: CED 639

CED 645 - Trauma and Addiction Credits 3

Designed to provide a working knowledge of the various ways that substance abuse and personal trauma impact each other. Emphasizes identifying signs and symptoms. Diagnostic criteria for various trauma categories and counseling approaches explored. Notes: This course is crosslisted with CED 445. Credit at the 600-level requires additional work. Corequisite: CED 735 .

CED 646 - Combat Trauma Credits 3

Overview of the trauma that is experienced by individuals involved in armed combat situations. The signs and symptoms of such involvement will be explored. In addition, the impact on families and communities will be addressed. Notes: This course is crosslisted with CED 446. Credit at the 600-level requires additional work.

CED 661 - Use and Application of Technology in Counseling Credits 3

Explores contemporary practices regarding the application of technology in the counseling profession. Ethical guidelines regarding counselor use of technology, as well as how advances in technology and web-based communication continue to impact the counseling profession. Grading Letter grade

CED 699 - Special Topics Credits 1-3

Graduate credit may be obtained for courses designated 600 or above. A full description of this course may be found in the UNLV Undergraduate Catalog under the corresponding 400 number. Grading Letter grade

CED 700 - Special Problems: Counseling and Educational Psychology Credits 1 – 6

Specialized instruction in general professional education designed to develop depth in understanding of current counseling and educational psychology problems. Notes: May be repeated to a maximum of six credits.

CED 701 - Introduction to Counseling Credits 3

Introductory course designed to provide students with understanding of the basic roles and functions of the counselors

in the human services. Examination of historical roots, philosophy, current trends, and best practices in professional counseling.

CED 703 - Counseling with Expressive Arts and Activities Credits 3

Examination of expressive arts and activity methods for counseling with children, adolescents, and adults. Topics include play therapy, sandtray, dreamwork, and other experiential counseling interventions. Prerequisites: Restricted to registered/admitted students in the graduate CED program

CED 710 - Relationships Through the Lifespan Credits 3

Students will learn the basic knowledge of relationship issues across the lifespan and how it relates to the counseling professional. Prerequisites: Restricted to registered/admitted students in the graduate CED program

CED 711 - Counseling Appraisal and Inquiry Credits 3

Theoretical and practical approach to assessing the individual. Includes development of a framework for understanding individual and group testing; case study approaches; adapting and using questionnaires, surveys, and other assessments to meet local needs; and individual differences including ethnic and cultural and gender considerations. Prerequisites: Restricted to registered/admitted students in the graduate CED program

CED 713 - Introduction to School Counseling Credits 3

Study of the roles and functions of the school counselor at the elementary, middle, and high school levels as well as history and current trends in the profession. Prerequisites: Restricted to registered/admitted students in the graduate CED program

CED 715 - Counseling and Consultation Theories Credits 3

Examination of major counseling theories and consultation techniques for application in individual and group settings. Prerequisites: Restricted to registered/admitted students in the graduate CED program

CED 721 - Career Theories and Practices Credits 3

Survey of current theories and practices in career counseling. Emphasis on values and decision-making process. Meets program requirements for school, community, and rehabilitation counseling. Prerequisites: Restricted to registered/admitted students in the graduate CED program

CED 722 - Introduction to Child Counseling & Play Therapy Credits 3

This course is designed as an examination of play therapy theories and interventions usable by professional counselors, social workers, marriage and family therapists, psychologists, nurses, mental health and related professionals who work with children.

CED 727 - Counseling Process and Procedures Credits 3

Students learn the necessary skills to establish counseling relationships, identify relevant counseling issues, and translate their understanding into an action plan for promoting lasting change. Stages of the counseling process identified, practiced, and applied. Prerequisites: Restricted to registered/admitted students in the graduate CED program and/or with Department Consent.

CED 731 - Social Justice and Advocacy in Counseling Credits 3

Seminar course designed to foster awareness, knowledge, and skills for counseling with diverse clients. Emphasizes social justice and advocacy in counseling with minority and oppressed students. Topics include culture, ethnicity, nationality, age, gender, sexual orientation, mental and physical abilities, education, family dynamics, and socioeconomic status. Prerequisites: Restricted to registered/admitted students in the graduate CED program

CED 732 - Advanced Multicultural Counseling Credits 3

This course is designed to help students develop awareness, knowledge, skills for more effective work with culturally diverse groups and individuals. Substantial attention will be given to intrapersonal issues, concerns related to different cultures & programming in a variety of settings. Prerequisites: Restricted to registered/admitted students in the graduate CED program.

CED 733 - Introduction to Group Counseling Credits 3

Study and practice of basic approaches to group procedures in relation to group goals, group dynamics and group leadership. Prerequisites: CED 727 and Restricted to registered/admitted students in the graduate CED program.

CED 735 - Addictions Counseling Credits 3

Overview of physiological and interpersonal impacts of substance abuse. Emphasis on empirically validated prevention programs, substance abuse assessment, counseling techniques, referral information, aftercare, and relapse prevention strategies. Grading Letter grade Prerequisites: Restricted to registered/admitted students in the graduate CED program.

CED 738 - Introduction to Clinical Mental Health Counseling Credits 3

Introduction to community and rehabilitation counseling including historical, philosophical legislative and organizational bases; rehabilitation process, and services in public and private community settings. Emphasis on role and function of the counselor. Grading Letter grade

CED 739 - Vocational Placement and Community Resources Credits 2

Study of vocational placement techniques along with an understanding of community resources including community organizational theory and criteria for use of such facilities in the vocational adjustment and placement of the disabled and disadvantaged. Grading Letter grade

CED 741 - Practicum Credits 3

Supervised counseling practice in human service settings including work with individuals and groups. Emphasis on utilizing a variety of counseling skills and methods with diverse client populations. Prerequisites: Restricted to registered/admitted students in the graduate CED program. Corequisite CED 733

CED 742 - Introduction to Community Counseling Credits 3

Provides information concerning the professional role, function, history, philosophy and practice of counseling. Role of the community-agency counselor in community, clinical, education, and business settings, as well as their interactive relationship with other professionals. Formerly COU 743. Notes: Normally taken no later than two semesters following admission to the program. Grading Letter grade Prerequisites: CFT 701 and admission to the department

CED 743 - Ethical and Legal Issues in Counseling Credits 3

Overview of ethical, legal, and professional issues in counseling. Emphasis on best practices and ethical decision making models. Prerequisites: Restricted to registered/admitted students in the graduate CED program.

CED 745 - Assessment, Treatment, and Case Management in Addictions Credits 3

Provides theoretical framework for assessing and treating individuals with addictive disorders and the practical application of managing a client's case from initial treatment stages through discharge and aftercare. Formerly COU 741 Prerequisites: Graduate Standing

CED 746 - Supervised Practicum in Group Counseling Credits 3

Supervised practice in counseling with small groups in a variety of settings. Notes: May be taken concurrently with EPY 744. Grading Letter grade Prerequisites: CFT 701, CED 715 and EPY 724, or equivalent.

CED 749 - Thesis Credits 3

Culminating masters level research project. Notes: May be repeated, but only six credits will apply to students program of study. Prerequisites: Consent of instructor.

CED 750 - Advanced Seminars in School Counseling Credits 1 – 3

Advanced studies in professional school counseling practice, theory, and research. Topics may include innovative practices, supervision, evaluation, techniques, and theory of school counseling. Notes: May be repeated to a maximum of twelve credits. Prerequisites: Restricted to registered/admitted students in the graduate CED program and CED 713.

CED 751 - Internship in Counseling Credits 1 - 3

Advanced supervised counseling practice in human service settings. Provides the opportunity to engage in all of the activities of a regularly employed staff member in an organization with program emphasis area. Notes: May be repeated to a maximum of six credits. Prerequisites: CED 741 and Restricted to registered/admitted students in the graduate CED program.

CED 752 - Internship in Counseling II Credits 1

Advanced supervised counseling practice in human service settings. Provides the opportunity to engage in all of the activities of a regularly employed staff member in an organization compatible with program emphasis area. Prerequisites: CED 741 and Restricted to registered/admitted students in the graduate CED program.

CED 753 - Internship in Counseling III Credits 1

Advanced supervised counseling practice in human service settings. Provides the opportunity to engage in all of the activities of a regularly employed staff member in an organization compatible with program emphasis area. Prerequisites: CED 741 and Restricted to registered/admitted students in the graduate CED program.

CED 754 - Supervised Group Practice and Theory Credits 3

Group theory and practice as it relates to leadership of personal growth, counseling, and therapeutic groups. Emphasis placed on leadership functions as they relate to group processes. Same as EPY 754 Grading Letter grade Prerequisites: CFT 715, CED 715

CED 755 - Planning, Management, and Evaluation of Addictions and Mental Health Programs Credits 3

Develops skills in applying basic management, planning, and evaluation techniques to addictions and mental health programs. Areas stressed include the relationships between program evaluation, program planning, program effectiveness, and organizational performance. Formerly COU 751 Prerequisites: Restricted to registered/admitted students in the graduate CED program.

CED 758 - Independent Study Credits 3

Independent study of a selected topic in professional counseling under the direction/supervision of a graduate faculty member. Notes: May be repeated to a maximum of twelve credits. Prerequisites: Consent of instructor.

CED 766 - Psychopathology and Wellness Models in Counseling Credits 3

Overview of psychopathology as classified in the DMS, with an emphasis on diagnosis, supportive psychopharmacology, and counseling interventions. Also overviews wellness models in counseling and highlights ways counselors can promote

optimal development and wellbeing with diverse client populations. Prerequisites: Restricted to registered/admitted students in the graduate CED program. Corequisite: CED 741

CED 768 - Pre-practicum Laboratory in Counseling Credits 3

Laboratory practice in counseling theory and techniques. Notes: Must be taken concurrently with EPY 753. Grading Letter grade Prerequisites: CFT 701, EPY 704 and admission to the department.

CED 770 - Advanced Supervised Practice in Counseling Credits 3

Theory, research, techniques, and practice of supervising marriage and family therapists. Notes: May be repeated to a maximum of six credits. Grading Letter grade

CED 772 - Counseling and Spirituality Credits 3

Application and integration of sound counseling skills into a spiritually-based counseling approach. Contemporary counseling theories and their assumptions about human nature and the role of spirituality in counseling. Prerequisites: Registered/admitted students in the graduate CED program.

CED 775 - Advanced Internship in Counseling Credits 3

Supervised counseling practice in a professional setting with an emphasis on developing advanced level counseling skills. Notes: Students will complete a minimum of 300 hours, with 150 of the hours being direct contact hours. Course may be repeated to a maximum of twelve credits. Prerequisites: CED 751 and registered/admitted students in the graduate CED program.

CED 781 - Problem Gambling Counseling Credits 3

Orient students to relevant literature and theoretical perspectives regarding problematic gambling, including an appreciation of its symptoms, progression, and impact across areas of one's life. Students will be provided with knowledge of current assessment measures and learn empirically-based treatment practices related to problem gambling. Grading Letter grade

CED 782 - Counseling with Potential Suicides Credits 1 – 6

Emphasis on the helping skills to facilitate communication with the potential suicide. Principles and techniques to facilitate client self exploration that encourage self understanding and alternate actions. Grading Letter grade Prerequisites: CED 754 or consent of instructor.

CED 784 - Co-Occurring Conditions in Counseling Credits 3

This course will orient students to relevant literature and theoretical perspectives regarding co-occurring addictions and mental health concerns, including an appreciation of complex symptoms, progression, and impact across areas of one's life. Students will be provided with knowledge of current assessment measures and learn empirically-based treatment practices related to co-occurring disorders. Grading Letter grade

CED 785 - Eating Disorders Counseling Credits 3

Designed as a comprehensive review of eating disorders, correlated issues, and treatment interventions. Cultural, familial, societal, and personal factors that may contribute to the development and maintenance of eating disorders will be examined. Grading Letter grade

CED 787 - Individual Research Credits 1 – 6

Individual research on a selected topic in professional counseling under the direction/supervision of a graduate faculty member. Prerequisites: Consent of instructor.

CED 789 - The Student in Higher Education Credits 1

Theory and practices related to counseling college students. Emphasis on both traditional and nontraditional approaches to meeting the needs of students at various types of

postsecondary institutions. Interrelationship of student and institutional needs within the environment of higher education. Grading Letter grade

EPP 771 - School Psychology Research Credits 1
School psychology research. Apprenticing on research projects with school psychology research faculty. Notes: May be repeated up to six credits. Grading Letter grade Prerequisites: Admission into the Ed.S. School Psychology or Ph.D. School Psychology programs

EPP 772 - Seminar in Psychological Science & Integration Credits 3

Advanced foundational domains of psychological science and their integration. Topic foci will vary by term. Grading Letter Grade. Prerequisites: Admission into the Ed.S. School Psychology or Ph.D. School Psychology programs.

EPP 774 - Evidence-Based Child & Youth Psychotherapy Credits 3

Understand the role of school psychologists in evidence-based interventions and practices that promote mental health for use in schools, primarily at tier 3 within multi-tiered systems of support (i.e., psychotherapy). Grading Letter grade Prerequisites: Admission into the Ed.S. School Psychology or Ph.D. School Psychology programs and EPP 735

EPP 775 - Crisis Prevention and Intervention with Children and Youth Credits 3

Understand the role of school psychologists in providing evidence-based crisis prevention and intervention in schools within multi-tiered systems of support; gain skills in delivering these interventions with individual students; and apply the cultural ecological framework to the conceptualization of students' difficulties. Grading Letter Grade. Prerequisites: Admission into the Ed.S. School Psychology or Ph.D. School Psychology programs and EPP 735 or consent of instructor.

EPP 776 - School Psychology Research Development Credits 3

Design and write individual dissertation proposal in school psychology. Professional issues related to applied research in school psychology and its reciprocal influence on practice is emphasized (i.e., scientist-practitioner model). Grading S/U grading only. Prerequisites: Admission into the Ph.D. School Psychology program and EPP 772 or permission of instructor

EPP 777 - Family-School Partnerships in School Psychology Credits 3

Building family-school-community relationships, outreach to families, developing an appreciation and understanding of families from diverse backgrounds, child development, and how such factors influence school psychology roles, functions, and practice according to goals for effective parental involvement and family engagement. Grading Letter grade

EPP 784 - Supervision and Teaching Practicum Credits 3

Individual study under the direction of a faculty member focusing on supervision of school psychology practice and preparing to teach at the college level. Grading Letter grade Prerequisites: Permission of instructor

EPP 786 - School Psychology FirstYear Practicum Credits 1

Field-based experience. Shadow a practicing school psychologist. Notes: May be repeated to a maximum of two credits. Grading Letter grade

EPP 793 - Advanced Doctoral Practicum Credits 3
Advanced practice supervised experience for doctoral students in school psychology. Grading Letter grade

EPP 794 - Internship in Health Service Psychology Credits 3

Supervised experience as a health service psychologist intern. Notes: May be repeated to a maximum of 18 credits. Grading Letter Grade. Prerequisites: EPP 793 and instructor approval.

EPP 799 - Dissertation Credits 3

Dissertation proposal and defense. Notes: May be repeated. Grading Thesis Dissertation X. Prerequisites: EPP 773 or instructor approval.

Early Childhood, Multilingual, and Special Education

The Department of Early Childhood, Multilingual, and Special Education offers graduate degree programs at the master's and doctoral levels. Master's level programs are designed for applied practice in educational (i.e., early childhood, early childhood special education, English language learning, school counseling, special education) and clinical settings (i.e., clinical/mental health counseling). Many of the master's level programs are aligned to educational licensure and/or endorsement requirements in the state of Nevada. The doctoral program in special education is designed for future professors or educational leaders in special education (i.e., autism, learning disabilities, emotional/behavioral disabilities, gifted, intellectual disabilities, early childhood special education) or early childhood education.

Monica Brown, Ph.D., Chair

Joseph Morgan, Ph.D., Graduate Coordinator

Early Childhood, Multilingual, and Special Education Faculty

Chair

Morgan, Joseph - Full Graduate Faculty
Associate Professor; B.A., University of Illinois at Chicago; M.Ed., Ph.D. University of Nevada, Las Vegas. Rebel since 2012.

Graduate Coordinators

Brown, Monica - Full Graduate Faculty
Professor; B.A., University of Arkansas; M.Ed., Ph.D., University of Nevada Las Vegas. Rebel since 2014.

Pollard-Durodola, Sharolyn - Full Graduate Faculty
Professor; A.B. Mount Holyoke College; M.A.T. Columbia, M.S. University of New York, Ed.D. University of Houston. Rebel since 2015.

Graduate Faculty

Baker, Joshua - Full Graduate Faculty
Associate Professor; B.A., M.A., Marshall University; Ph.D. University of North Carolina, Charlotte. Rebel since 2012.

Bengochea, Alain - Full Graduate Faculty
Assistant Professor; B.A., University of Florida; M.S.Ed., Fordham University; Ph.D., University of Miami. Rebel since 2016.

Brown, Nancy - *Associate Graduate Faculty*
Faculty in Residence; B.S., M.Ed., Utah
State University. Rebel since 1992.

Filler, John - *Full Graduate Faculty*
Professor; B.A., Randolph Macon College;
M.A., Wake Forest University; Ph.D.,
Vanderbilt University. Rebel since 1989.

Gelfer, Jeffrey - *Full Graduate Faculty*
Professor; B.A., Wilmington College; M.S., University
of Oregon; Ph.D., Florida State University nce 1989.

Greer, Elizabeth -
Assistant Professor in Residence; B.A., University
of North Carolina at Chapel Hill; M.A., Ph.D.,
University of Texas at Austin. Rebel since 2016.

Higgins, Kyle - *Full Graduate Faculty*
Professor; B.A., M.A., Ph.D., University
of New Mexico. Rebel since 1991.

Huerta, Margarita - *Full Graduate Faculty*
Associate Professor; B.A., Rice University; M.A., University
of Texas at Austin; M.Ed., Texas State University;
Ph.D., Texas A&M University. Rebel since 2014

More, Cori - *Full Graduate Faculty*
Assistant Professor; B.A., University of Montana;
M.Ed., Western New Mexico University; Ph.D.,
University of Nevada Las Vegas. Rebel since 2013.

Rodgers, Wendy - *Full Graduate Faculty*
Assistant Professor; BA, Brigham Young University;
M.Ed., Virginia Commonwealth University; Ph.D.,
University of Virginia. Rebel since 2017.

Spies, Tracy - *Full Graduate Faculty*
Associate Professor; B. S., University of Houston;
M.S., Sam Houston State University; Ph.D.,
Texas A & M University. Rebel since 2012.

Weglarz-Ward, Jenna - *Full Graduate Faculty*
Assistant Professor; B.S., Ed.M., Ph.D.,
University of Illinois. Rebel since 2016.

Van Ness, Heather -
Assistant Professor in Residence; B.S., James Madison
University; M.A., Old Dominion University; M.US., Old
Dominion University; Ph.D., Arizona State University;
Ed.S., University of Nevada, Las Vegas. Rebel since 2019.

Plans

Graduate Certificate in Early Childhood Special Education
- Infancy

Graduate Certificate In Early Childhood Special
Education-Preschool

Graduate Certificate in English Language Acquisition &
Development (ELAD)

Graduate Certificate in Leadership in English Language
Acquisition & Development (LELAD)

Graduate Certificate in Special Education

Master of Education - Early Childhood Education

Master of Education - English Language Learning

Master of Education - Special Education

Doctor of Philosophy - Special Education

Dual Degree: Doctor of Philosophy - Special Education &
Juris Doctor

Graduate Certificate in Early Childhood Special Education - Infancy

Plan Description

The Certificate in Early Childhood Special Education-
Infancy (ECSE-Infancy) program is a graduate certificate
program designed for individuals who want to acquire
specific ECSE-Infancy skills to meet the needs or
demands of their workplace and an NDE endorsement.
The certificate program is suitable for students with no
prior ECSE background, as well as for those who have
prior ECSE knowledge or education and want to acquire
specific additional skills. The following are examples of
students who can benefit from the program:

- Individuals who have graduated from an ECE
undergraduate program or related program several
years ago who can use the Certificate in ECSE-
Infancy program to stay current with ECSE changes.
- ECSE professionals who want to retool themselves to
acquire new ECSE skills.
- Individuals with no formal prior ECSE education
who want to learn about ECSE and earn the NDE
endorsement in ECSE-Infancy.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College
website.

The ECSE-Infancy Certificate requires a minimum of 27
hours of studies. Each applicant for admission to the
Certificate program must comply with Graduate College
requirements for admission. In addition to meeting the
requirements of the Graduate College, applicants must
also meet the requirements established by the Department
of Early Childhood, Multilingual, and Special Education:

Minimum of GPA of 2.75 for all undergraduate work or 3.0
for the last two years of undergraduate study.

Completed Certificate application for admission.

One set of official transcripts from all previously attended
colleges and universities sent directly to the Graduate
College.

A one page letter of intent that includes (1) the ECSE
Certificate area of emphasis (Infancy or Preschool) you
are interested in, (2) your professional and academic
goals, and (3) a discussion of your experience relative
to the program. Please upload this letter when you apply
on-line through the Grad Rebel Gateway.

All applicants must review and follow the Graduate
College Admission and Registration Requirements.

Admission to a Certificate program in early childhood
special education requires that students with a GPA of
less than 2.75 be admitted to the Certificate program with
provisional status. Applicants are evaluated on scholastic
record, professional accomplishments, and potential for

advanced studies.

Currently, students may be admitted during any semester.

Graduate College Admission Requirements

- Completed application for admission and fee, and
- Set of official transcripts from all previously attended colleges and universities.

Students are accepted into a certificate program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

Total Credits Required: 27

Course Requirements

Core – Credits: 18

- ESP 771 - Perspectives on Early Childhood Special Education
- ESP 772 - Family Education in Early Childhood
- ESP 773 - Assessment for Young Children with Disabilities
- ESP 774 - Seminar in Curriculum Development in Early Childhood Special Education
- ESP 775 - Strategies for Early Childhood Special Education
- ESP 779 - Early Intervention Service Coordination

Fieldwork – Credits: 9

- ESP 780 - Field Experience in Early Childhood Special Education - Infancy

Certificate Requirements

1. Acceptance to the Graduate College Early Childhood Special Education Certificate Program.
2. Completion of 27 Credit hours in the Certificate required courses with an overall GPA of 3.0 within 4 years.
3. Students in certificate programs would be subject to the continuous enrollment policy. They would have to enroll in at least six credits each rolling three semesters (including summer). They would be separated from the program as soon as this threshold is met. However, a leave of absence is an option.
4. No more than one grade of less than B- will be permitted in a Certificate Program of Study.

Plan Certificate Completion Requirements

Students in certificate programs would be subject to the continuous enrollment policy completing the program within 4 years. They would have to enroll in at least six credits each rolling three semesters (including summer).

Upon completion of all ECSE-Infancy Certificate course work students are required to schedule a meeting with their advisor. At the time of the meeting students must provide their advisor with an official transcript showing that the student has met all ECE and Graduate College Certificate requirements. At the completion of the meeting students will be required to complete an exit survey.

Graduate Certificate In Early Childhood Special Education-Preschool

Plan Description

The Certificate in Early Childhood Special Education-Preschool (ECSE-Preschool) program is a graduate certificate program designed for individuals who want to acquire specific ECSE-Preschool skills to meet the needs or demands of their workplace and an NDE endorsement. The certificate program is suitable for students with no prior ECSE background, as well as for those who have prior ECSE knowledge or education and want to acquire specific additional skills. The following are examples of students who can benefit from the program:

- Individuals who have graduated from an ECE undergraduate program or related program several years ago who can use the Certificate in ECSE-Preschool program to stay current with ECSE changes.
- ECSE professionals who want to retool themselves to acquire new ECSE skills.
- Individuals with no formal prior ECSE education who want to learn about ECSE and earn the NDE endorsement in ECSE-Preschool.

For more information about your program, including your graduate program handbook and learning outcomes, please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

The ECSE-Preschool Certificate requires a minimum of 27 hours of studies. Each applicant for admission to the Certificate program must comply with Graduate College requirements for admission. In addition to meeting the requirements of the Graduate College, applicants must also meet the requirements established by the Department of Early Childhood, Multilingual, and Special Education:

- Minimum of GPA of 2.75 for all undergraduate work or 3.0 for the last two years of undergraduate study.
- Completed Certificate application for admission.
- One set of official transcripts from all previously attended colleges and universities sent directly to the Graduate College.

- A one page letter of intent that includes (1) the ECSE Certificate area of emphasis (Infancy or Preschool) you are interested in, (2) your professional and academic goals, and (3) a discussion of your experience relative to the program. Please upload this letter when you apply on-line through the Grad Rebel Gateway.
- All applicants must review and follow the Graduate College Admission and Registration Requirements.

Admission to a Certificate program in early childhood special education requires that students with a GPA of less than 2.75 be admitted to the Certificate program with provisional status. Applicants are evaluated on scholastic record, professional accomplishments, and potential for advanced studies.

Currently, students may be admitted during any semester.

Graduate College Admission Requirements

Completed application for admission and fee, and

Set of official transcripts from all previously attended colleges and universities.

Students are accepted into a certificate program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

Total Credits Required: 27

Course Requirements

Core – Credits: 18

- ESP 771 - Perspectives on Early Childhood Special Education
- ESP 772 - Family Education in Early Childhood
- ESP 773 - Assessment for Young Children with Disabilities
- ESP 774 - Seminar in Curriculum Development in Early Childhood Special Education
- ESP 775 - Strategies for Early Childhood Special Education
- ESP 778 - Behavior Management for Early Childhood
- Fieldwork – Credits: 9
- ESP 781 - Field Experience in Early Childhood Special Education - Preschool/Kindergarten

Certificate Requirements

Acceptance to the Graduate College Early Childhood Special Education Certificate Program.

Completion of 27 Credit hours in the Certificate required courses with an overall GPA of 3.0 within 4 years.

Students in certificate programs would be subject to the continuous enrollment policy. They would have to enroll in

at least six credits each rolling three semesters (including summer). They would be separated from the program as soon as this threshold is met. However, a leave of absence is an option.

No more than one grade of less than B- will be permitted in a Certificate Program of Study.

Plan Certificate Completion Requirements

Students in certificate programs would be subject to the continuous enrollment policy completing the program within 4 years. They would have to enroll in at least six credits each rolling three semesters (including summer).

Upon completion of all ECSE-Infancy Certificate course work students are required to schedule a meeting with their advisor. At the time of the meeting students must provide their advisor with an official transcript showing that the student has met all ECE and Graduate College Certificate requirements. At the completion of the meeting students will be required to complete an exit survey.

Graduate Certificate in English Language Acquisition & Development (ELAD)

Plan Description

The Graduate Certificate in English Language Acquisition & Development (ELAD) is a 12-credit program designed to develop specialized knowledge in working with ELs in early childhood, elementary, and secondary schooling. The 12-credit program strands will provide educators with knowledge, strategies, and advocacy skills for EL populations.

Courses are taught in hybrid form (e.g., online, face-to-face).

For more information about this program, including the graduate program handbook and learning outcomes, please visit the Degree Directory.

Plan Admission Requirements

All applicants must review and follow the Graduate College Admission and Registration Requirements.

The following information must be submitted electronically to the Graduate College with their application:

- Completed admission application and fee
- Set of official transcripts from all previously attended colleges and universities
- A one-page (350 to 400 words) letter of intent should include (1) the English Language Learning or Bilingual Education focus area of interest, (2) professional and academic goals, and (3) discussion of experiences relative to the focus area of study. The letter should be uploaded on-line with the application forms through the Graduate College Grad Rebel Gateway application system.

Application Deadlines: Refer to the Graduate College

website for specific deadlines.

All required documentation and application materials must be received by the UNLV Graduate College and the Department of Early Childhood, Multilingual, & Special Education for the application to be considered. Students are accepted into a certificate program as described in the Graduate College.

Plan Requirements

Total Credits Required - 12

Course Requirements

- TESL 751 - Theory and Practice for Academic English Language Development
- TESL 752 - Methods and Curriculum for Teaching ELs
- TESL 754 - Assessment and Evaluation of ELs
- Students are required to complete 1 credit hour of TESL 757.
- TESL 757 - Policies, Critical Issues, and Best Practices for Pre-K, Elementary, and Secondary ELs Practicum

Students are required to complete 2 credit hours of TESL 759.

- TESL 759 - Policies, Critical Issues, and Best Practices for Pre-K, Elementary, and Secondary ELs Seminar

No elective credits are required.

Certificate Completion Requirements

The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her certificate requirements.

Graduate Certificate in Leadership in English Language Acquisition & Development (LELAD)

Plan Description

The Graduate Certificate in Leadership in English Language Acquisition & Development (LELAD) is a 18-credit program designed to develop specialized knowledge in working with ELs in early childhood, elementary, and secondary schooling. The 18-credit program strands will provide educators with knowledge, strategies, and advocacy skills for EL populations, particularly focusing on policy and community engagement involving ELL education.

Courses are taught in hybrid form (e.g., online, face-to-face).

For more information about this program, including the graduate program handbook and learning outcomes, please visit the Degree Directory.

Plan Admission Requirements

All applicants must review and follow the Graduate College Admission and Registration Requirements.

The following information must be submitted electronically to the Graduate College with their application:

- Completed admission application and fee
- Set of official transcripts from all previously attended colleges and universities
- A one-page (350 to 400 words) letter of intent should include (1) the English Language Learning or Bilingual Education focus area of interest, (2) professional and academic goals, and (3) discussion of experiences relative to the focus area of study. The letter should be uploaded on-line with the application forms through the Graduate College Grad Rebel Gateway application system.

Application Deadlines: Refer to the Graduate College website for specific deadlines.

All required documentation and application materials must be received by the UNLV Graduate College and the Department of Early Childhood, Multilingual, & Special Education for the application to be considered. Students are accepted into a certificate program as described in the Graduate College.

Plan Requirements

Total Credits Required - 18

Course Requirements

- TESL 751 - Theory and Practice for Academic English Language Development
- TESL 752 - Methods and Curriculum for Teaching ELs
- TESL 754 - Assessment and Evaluation of ELs
- TESL 758 - Cultural and Linguistic Diversity (CLD) Program Leadership
- TESL 760 - Foundations in Education in Cultural and Linguistic Diversity (CLD). Students are required to complete 1-credit hour of TESL 757.
- TESL 757 - Policies, Critical Issues, and Best Practices for Pre-K, Elementary, and Secondary ELs Practicum. Students are required to complete 2 credit hours of TESL 759.

TESL 759 - Policies, Critical Issues, and Best Practices for Pre-K, Elementary, and Secondary ELs Seminar

No elective credits are required.

Certificate Completion Requirements

The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her certificate requirements.

Graduate Certificate in Special Education

Plan Description

The Graduate Certificate in Special Education targets both part-time and full-time graduate students who wish to develop specialized knowledge in one of five special education strands: autism, learning disabilities, emotional behavioral disorders, gifted, intellectual disabilities. Each strand is relevant for those who work with individuals with disabilities or gifts and talents in a school setting, community setting, day care, or home-based setting. Each of the five strands is comprised of 15-credits that provide a strong knowledge base and pragmatic-practice base. Hours earned for each of the five strands may be applied to a degree program in special education at the master's or doctoral degree levels. Hours earned in the master's or doctorate programs in special education may not be used toward the certificate. Each certificate strand requires 15 credit hours.

For more information about your program, including your graduate program handbook and learning outcomes, please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

All applicants must review and follow the Graduate College Admission and Registration Requirements.

A bachelor's degree from an accredited university. The student also must complete and submit the Graduate Certificate in Special Education (indicating the strand of study) application through the Graduate College. This should include a letter indicating the purpose of the study in the certificate strand selected. Accepted students can begin taking courses the term following acceptance.

Students are accepted into a certificate program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

See Subplan Requirements below.

Subplan 1 Requirements: Gifted

Subplan 2 Requirements: Intellectual Disabilities

Subplan 3 Requirements: Emotional Behavioral Disorders

Subplan 4 Requirements: Learning Disabilities

Subplan 5 Requirements: Autism

Subplan 1: Gifted

Total Credits Required: 15

Course Requirements

Required Courses – Credits: 15

- ESP 717G - Seminar in Advanced Curriculum Development
- ESP 730 - Parent Involvement in Special and General Education
- ESP 741 - Introduction to Gifted Education
- ESP 746 - Creativity in Gifted Education
- ESP 763 - Seminars in Selected Special Educational Topics

Certificate Requirements

See Plan Certificate Requirements below.

Certificate Completion Requirements

See Plan Certificate Completion Requirements below.

Subplan 2: Intellectual Disabilities

Total Credits Required: 15

Course Requirements

Required Courses – Credits: 15

- ESP 702 - Psychological and Social Problems in Intellectual Disabilities
- ESP 704 - Adaptive Curricular Programming for Persons with Intellectual Disabilities
- ESP 715 - Communication Programming for Persons with Severe Disabilities
- ESP 755 A - Medically Related Aspects of Disabilities
- ESP 763 - Seminars in Selected Special Educational Topics

Certificate Requirements

See Plan Certificate Requirements below.

Certificate Completion Requirements

See Plan Certificate Completion Requirements below.

Subplan 3: Emotional Behavioral Disorders

Total Credits Required: 15

Course Requirements

Required Courses – Credits: 15

- ESP 705 - Psychological and Sociological Problems of Students with Emotional Disabilities
- ESP 706 - Advanced Educational Strategies for Students with Emotional Disabilities
- ESP 717B - Seminar in Advanced Curriculum Development
- ESP 735 - Advanced Behavior Management
- ESP 763 - Seminars in Selected Special Educational Topics

Certificate Requirements

See Plan Certificate Requirements below.

Certificate Completion Requirements

See Plan Certificate Completion Requirements below.

Subplan 4: Learning Disabilities

Total Credits Required: 15

Course Requirements

Required Courses – Credits: 15

- ESP 707 - Theories of Learning Disabilities
- ESP 708 - Advanced Education Strategies for Students with Disabilities
- ESP 714 - Advanced Seminar in Learning Disabilities
- ESP 717C - Seminar in Advanced Curriculum Development
- ESP 763 - Seminars in Selected Special Educational Topics

Certificate Requirements

See Plan Certificate Requirements below.

Certificate Completion Requirements

See Plan Certificate Completion Requirements below.

Subplan 5: Autism

Total Credits Required: 15

Course Requirements

Required Courses – Credits: 15

- ESP 715 - Communication Programming for Persons with Severe Disabilities
- ESP 729 - Characteristics of Students with Autism Spectrum Disorders
- ESP 739 - Advanced Educational Strategies for Students with Autism Spectrum Disorders
- ESP 740 - Speech and Hearing Therapy for Classroom Teachers
- ESP 763 - Seminars in Selected Special Educational Topics

Certificate Requirements

See Plan Certificate Requirements below.

Certificate Completion Requirements

See Plan Certificate Completion Requirements below.

Certificate Requirements

Completion of the 15 credits specified in the selected strand of study with B or better grade is required.

Certificate Completion Requirements

1. Students must submit all required forms to the Graduate College and then apply for graduation up to

two semesters prior to completing his/her certificate requirements.

2. Certificates will be awarded upon successful completion of the certificate requirements and filing of all required forms to the Graduate College.

Master of Education - Early Childhood Education

Plan Description

The Master of Education – Early Childhood Education is designed to provide a comprehensive contemporary program of teacher preparation and education for early childhood settings (e.g., day care, preschool education, hospitals, community education, early intervention programs, agencies, infant/toddler education and prek-2nd grade teaching license. In addition, the program provides course work beyond and above the requirements of the State of Nevada’s Licensure requirements). Students will learn about the typically developing children and children with special needs and participate in field work. The program has two tracks, birth through 3 years and birth through 8 years. In the Early Childhood Education Program, students gain knowledge and skills for a variety of careers in educational and intervention programs for young children.

For more information about your program, including your graduate program handbook and learning outcomes please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

In addition to meeting the admission requirements of the Graduate College, as outlined in the front of this catalog, applicants must also meet the requirements established by the Department of Early Childhood, Multilingual, and Special Education. They are:

1. A minimum grade point average of 2.75 for all undergraduate work or a 3.00 grade point average for the last two years of undergraduate work; and
2. A letter of application/intent.

Applications are processed when all credentials required by both the Graduate College and the Department of Early Childhood, Multilingual, and Special Education have been received by the Graduate Coordinator. The Graduate Coordinator evaluates the applicant’s credentials and recommends either 1) admission to full, contingency, or provisional graduate standing (depending on the strength of the applicant’s academic credentials); or 2) denial. Those who wish to begin studies but who miss the application deadline may enroll as a non-degree graduate student. However, since there is no guarantee that courses taken as a non-degree student will count

toward a degree, and since a maximum of 15 hours taken prior to admission to the program may be used to meet degree requirements, candidates are urged to seek advisement prior to registering for any course(s).

Applicants should log back into their online applications to monitor the status of the application. Official decision letters will be posted in the online application once a decision has been made. Hard-copy letters are not issued. The online decision letter will include the name of the student's advisor. Students are responsible for contacting their advisors.

All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

Total Credits Required: 36

Course Requirements

Required Courses – Credits: 6

- EPY 702 - Research Methods
- ESP 722 - Multicultural Perspectives in Special Education
- Early Childhood Education Courses – Credits: 18
- Complete 18 credits from the following list of courses:
- ECE 706 - Planning Curriculum for Young Children
- ECE 707 - Programs in Early Childhood Education
- ECE 709 - Investigations in Early Childhood Education
- ECE 711 - Science and Math for Young Children
- ESP 719B - Advanced Oral and Written Instruction Early Childhood
- ECE 722 - Theoretical Bases for Early Childhood Education
- ECE 726 - Early Education for Infants and Toddlers

OR

- ESP 728 - Theory of Play Development
- Early Childhood Special Education Courses – Credits: 9
- ESP 772 - Family Education in Early Childhood
- ESP 773 - Assessment for Young Children with Disabilities
- ESP 775 - Strategies for Early Childhood Special Education

Field Experience Course – Credits: 3

- ECE 781 - Early Childhood Education Field

Experience

Plan Degree Requirements

1. Students must complete a minimum of 36 credit hours with a minimum GPA of 3.00.
2. For Nevada state licensure, students must complete a total of 8 credits of fieldwork; these additional credits will not count towards the degree program.
3. Previous course work included in submitted graduate plans of study must have a grade of B or better. Only two subsequent grades of less than B- (one with an ESP or ECE prefix and one with any other prefix) will be permitted in a submitted plan of study. Under no circumstances will a Grade Point Average (GPA) of less than 3.00 be allowed on a finished plan of study. Failure to meet these standards will result in suspension from the degree program.
4. In order to be endorsed in Teaching English as a Second Language (TESL) the following four courses must be completed in addition to the courses required as part of the degree program:

TESL 651 – Theories of second language acquisition

TESL 652 – TESL Methods and Materials

TESL 653 – TESL curriculum

TESL 654 – TESL Assessment Procedures

5. Students must successfully complete and pass a comprehensive examination.
6. The comprehensive examination is taken during the student's last semester of coursework or in the semester immediately following completion of coursework listed on the student's Program of Studies. If student(s) do not pass the exam they will receive only one additional opportunity to take a 2nd comprehensive examination. If students opt to take the comprehensive exam the semester after completion of the coursework listed on their Program of Studies, they must enroll in ESP 766 or another graduate course. Per Graduate College Guidelines, students must be enrolled in a minimum of 3 hours of coursework the semester they graduate.
7. Students must apply to take comprehensive examinations. Specific application deadlines are available in the Department of Early Childhood, Multilingual, and Special Education.
8. Master's degrees must be completed within a six-year period and continuous enrollment must be maintained throughout the six years, unless a formal request for a leave of absence is approved by the department and Graduate College.

Plan Graduation Requirements

The student must submit all required forms to the Graduate

College and then apply for graduation up to two semesters prior to completing his/her degree requirements for the program.

Master of Education - English Language Learning

Plan Description

The M.Ed. English Language Learning program is designed for individuals who hold a baccalaureate degree in elementary, secondary, or special education and seek to earn a master's degree in English Language Learning, with a focus in either English Language Learning or Bilingual Education. Admitted students are required to develop a plan of study relevant to their focus area of study.

For more information about your program, including your graduate program handbook and learning outcomes, please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

Admission to the Master's degree program in English Language Learning requires a minimum grade point average of 2.75 for all undergraduate work or a 3.00 for the last two years of undergraduate work. All applicants are evaluated on their scholastic record, professional accomplishments, and potential for advanced studies.

1. Completed admission application and fee
2. Set of official transcripts from all previously attended colleges and universities
3. A one-page (350 to 400 words) letter of intent should include (1) the English Language Learning or Bilingual Education focus area of interest, (2) professional and academic goals, and (3) discussion of experiences relative to the focus area of study. The letter should be uploaded on-line with the application forms through the Graduate College Grad Rebel Gateway application system. Assistantship applications are submitted to the department through the Grad Rebel Gateway application system. International students should check with the Graduate College for current deadlines and procedures.

All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

See Subplan Requirements below.

Subplan 1: English Language Learning Track

Subplan 2: Bilingual Education Track

Subplan 1 Requirements: English Language Learning Track

Total Credits Required: 36

Course Requirements

Required Courses - Credits: 6

- EPY 702 - Research Methods
- ESP 722 - Multicultural Perspectives in Special Education

English Language Learning Courses - Credits: 24

- CIL 610 - Content Area Literacy
- TESL 750 - TESL Linguistic Theory
- TESL 751 - Theory and Practice for Academic English Language Development
- TESL 752 - Methods and Curriculum for Teaching ELs
- TESL 754 - Assessment and Evaluation of ELs
- TESL 755 - Language Acquisition and Development
- TESL 757 - Policies, Critical Issues, and Best Practices for Pre-K, Elementary, and Secondary ELs Practicum
- TESL 759 - Policies, Critical Issues, and Best Practices for Pre-K, Elementary, and Secondary ELs Seminar

Elective Course - Credits: 6

Complete 6 credits of advisor-approved courses.

Degree Requirements

See Plan Degree Requirements below.

Graduation Requirements

See Plan Graduation Requirements below.

Subplan 2 Requirements: Bilingual Education Track

Total Credits Required: 36

Course Requirements

Required Courses - Credits: 6

- EPY 702 - Research Methods
- ESP 722 - Multicultural Perspectives in Special Education

English Language Learning Courses - 24

- CIL 610 - Content Area Literacy
- TESL 750 - TESL Linguistic Theory
- TESL 751 - Theory and Practice for Academic English Language Development
- TESL 752 - Methods and Curriculum for Teaching ELs
- TESL 761 - Literacy Development in the Bilingual Classroom
- TESL 764 - Assessment Bilingual Classroom

- TESL 765 - Curriculum Development Bilingual Classroom
- TESL 755 - Language Acquisition and Development
- TESL 759 - Policies, Critical Issues, and Best Practices for Pre-K, Elementary, and Secondary ELs Seminar

Elective Course - Credits: 6

Complete 6 credits of advisor-approved courses.

Degree Requirements

See Plan Degree Requirements below.

Graduation Requirements

See Plan Graduation Requirements below.

Plan Degree Requirements

1. The master's degree program requires a minimum of 36 semester hours of approved studies and an overall cumulative GPA of 3.00 in all courses counted toward the degree. Six of these semester hours are in research (3) and multicultural perspectives (3).
2. All graduate students are held responsible for the requirements and academic policies established by the Graduate College and outlined in the front of the graduate catalog. In addition, the Department of Educational & Clinical Studies has established requirements. While these requirements may be obtained from an academic advisor, they are briefly outlined here.
3. Master's degrees must be completed within a six-year period, and continuous enrollment must be maintained throughout the six years, unless a formal request for a leave of absence is approved by the department and Graduate College.
4. The M.Ed. degree requires students to complete a minimum of 24 credit hours within the English Language Learning core, EPY 702, ESP 722, and 6 credits of elective courses.
5. Students will be required to complete an electronic portfolio (e-portfolio) related to the focus area's professional standard. The e-portfolio must contain the primary assignments and grading rubrics from all courses on the student's program of study. It is each student's responsibility to collect and retain the assignments and graded rubrics at the end of each semester. Students must earn a "B" or better on the primary assignment in order for it to be included in the e-portfolio.
6. In addition, the e-portfolio must include a matrix of the appropriate TESOL Standards linked to the primary assignments from each course. Further, the e-portfolio must include a table of contents and a one-page reflection for each TESOL standard. Each academic advisor will provide additional information and guidelines on the e-portfolios.
7. The e-portfolio must be completed and turned in for

evaluation by each student to the academic advisor during the student's last semester of coursework or in the semester immediately following the student's last semester of required coursework.

8. The e-portfolio will be evaluated across six academic standards and 4 performance levels:
 1. Academic Standards:
 1. Theory into Practice
 2. Professional Philosophy
 3. Conduct and/or Evaluate Research
 4. Content and Pedagogical Knowledge
 5. Professional Standard Knowledge
 6. Presentation and Format
 2. Performance Levels: (with corresponding rubrics)
 1. Distinguished (3)
 1. exceeds expectations
 2. provides multiple layers of connected and convincing evidence
 3. demonstrates exceptional performance
 4. communicates distinctively and authoritatively
 5. proposes original and creative solutions
 2. Proficient (2)
 1. meets expectations
 2. provides multiple sources of clear evidence
 3. demonstrates satisfactory performance
 4. communicates accurately
 5. presents a clear and convincing argument
 3. Marginal (1)
 1. meets minimum expectations
 2. provides some evidence
 3. demonstrates limited performance
 4. exhibits limited ability to communicate ideas
 5. presents partial or faulty argument
 4. Unacceptable (0)
 1. fails to meet expectations
 2. provides little or no evidence
 3. demonstrates insufficient or incomplete performance
 4. exhibits lack of ability to communicate ideas
 5. presents unsupported or incoherent argument

9. The e-portfolio will be graded Satisfactory or Unsatisfactory. A total score of 12 or greater must be attained to earn Satisfactory, and each Academic Standard must receive no less than 2 points each. Unsatisfactory completion will require re-enrolling in the Culminating Experience. An Incomplete is not given for the Culminating Experience.

Plan Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements for the program.
2. The student must successfully complete and submit an e-portfolio.

Master of Education - Special Education

Plan Description

The Master of Education in Special Education program is designed to meet the needs of persons who hold a baccalaureate degree and wish to earn a master's degree in special education or early childhood education special education, with or without licensure. A number of specific focus areas are available and can lead to the following Nevada Department of Education endorsements: Applied Behavior Analysis, Autism, Early Childhood Special Education, Emotional and Behavioral Disorders, Generalist-Mild Disabilities, Gifted and Talented, Intellectual Disabilities, Learning Disabilities, or other professional areas. The Master of Education – Special Education program requires 36 credits of graduate-level coursework.

Several subplans in the Master of Education in Special Education program are approved for licensure or certification through outside professional organizations (e.g., Nevada Department of Education, BCBA). Coursework described in each subplan has been approved for these certifications, however there may be additional requirements for students to apply for and earn licensure or certification (e.g., additional testing, student teaching, fieldwork). Students are required to meet with their advisor and review licensure and certification organization websites to ensure that their plan of study and additional activities align to these requirements.

For more information about your program, including your graduate program handbook and learning outcomes please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

In addition to meeting the admission requirements of the Graduate College, as outlined in the front of this catalog,

applicants must also meet the requirements established by the Department of Early Childhood, Multilingual, and Special Education. They are:

1. A minimum grade point average of 2.75 for all undergraduate work or a 3.00 grade point average for the last two years of undergraduate work. Admission to a master's degree program in special education requires that students with a GPA of less than 2.75 be admitted to the graduate program with provisional status; and
2. A 350-400 word letter of application/intent that discusses (a) the special education area(s) of concentration you are interested in, (b) your professional and academic goals, and (c) a discussion of your experience relevant to your area of interest.

Applications are processed when all credentials required by both the Graduate College and the Department of Early Childhood, Multilingual, and Special Education have been received by the Graduate Coordinator. The Graduate Coordinator evaluates the applicant's credentials and recommends either 1) admission to full, contingency, or provisional graduate standing (depending on the strength of the applicant's academic credentials); or 2) denial. Those who wish to begin studies but who miss the application deadline may enroll as a non-degree graduate student. However, since there is no guarantee that courses taken as a non-degree student will count toward a degree, and since a maximum of 15 hours taken prior to admission to the program may be used to meet degree requirements, candidates are urged to seek advisement prior to registering for any course(s).

Applicants should log back into their online applications to monitor the status of the application. Official decision letters will be posted in the online application once a decision has been made. Hard-copy letters are not issued. The online decision letter will include the name of the student's advisor. Students are responsible for contacting their advisors.

All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

See Subplan Requirements below.

Subplan 1: Applied Behavioral Analysis Track

Subplan 2: Autism Track

Subplan 3: Emotional and Behavioral Disorders Track

Subplan 4: Generalist – Mild Disabilities Track

Subplan 5: Gifted and Talented Track

Subplan 6: Intellectual Disabilities Track
Subplan 7: Learning Disabilities Track
Subplan 8: Other Professional Areas Track
Subplan 9: Early Childhood Special Education Infant Track
Subplan 10: Early Childhood Special Education Preschool Track

Subplan 1 Requirements: Applied Behavioral Analysis Track

Total Credits Required: 36

Course Requirements

Required Courses – Credits: 9

Complete the following three (3) courses; if students completed an introduction to special education or disability course in a previous degree, they should meet with their advisor to discuss a possible course substitution.

- ESP 701 - Introduction to Special Education and Legal Issues
- ESP 722 - Multicultural Perspectives in Special Education
- EPY 702 - Research Methods

Applied Behavior Analysis Courses – Credits: 24

Complete 24 credits from the following list of courses, or other advisor-approved courses.

- ESP 712 - Applied Behavior Analysis
- ESP 729 - Characteristics of Students with Autism Spectrum Disorders
- ESP 735 - Advanced Behavior Management
- ESP 739 - Advanced Educational Strategies for Students with Autism Spectrum Disorders
- ESP 740 - Speech and Hearing Therapy for Classroom Teachers
- ESP 762 - Ethical Evaluation of Programs for Persons with Exceptionalities/Special Needs
- ESP 753 - Administration and Supervision of Special Education Programs

Elective Courses – Credits: 3

Complete 3 credits of advisor-approved course work.

Degree Requirements

See Plan Degree Requirements below.

Graduation Requirements

See Plan Graduation Requirements below.

Subplan 2 Requirements: Autism Track

Total Credits Required: 36

Course Requirements

Required Courses – Credits: 9

Complete the following three (3) courses; if students completed an introduction to special education or disability course in a previous degree, they should meet with their advisor to discuss a possible course substitution.

- ESP 701 - Introduction to Special Education and Legal Issues
- ESP 722 - Multicultural Perspectives in Special Education
- EPY 702 - Research Methods

Autism Courses – Credits: 15

Complete 15 credits from the following list of courses, or other advisor-approved courses.

- ESP 715 - Communication Programming for Persons with Severe Disabilities
- ESP 729 - Characteristics of Students with Autism Spectrum Disorders
- ESP 735 - Advanced Behavior Management
- ESP 739 - Advanced Educational Strategies for Students with Autism Spectrum Disorders
- ESP 740 - Speech and Hearing Therapy for Classroom Teachers

Special Education Elective Courses - Credits: 12

Complete 12 credits from the following list of courses, or other advisor-approved courses.

- ESP 709 - Diagnostic and Prescriptive Assessment for Diverse Learners
- ESP 719A - Advanced Oral and Written Language Instruction for Students with Disabilities
- ESP 724 - Math Methods in Special Education
- ESP 730 - Parent Involvement in Special and General Education
- ESP 734 - Vocational and Career Education for Persons with Disabilities in Transition

Fieldwork Courses – Credits: 10 (Optional)

Fieldwork is optional for the completion of the Master of Education in Special Education - Autism degree, however, may be required for licensure in the state of Nevada. Students should meet with their advisor to discuss fieldwork options aligned to licensure requirements. If students register for fieldwork, then they must register for 8 credits of fieldwork (ESP 720) AND 2 credits of seminar (ESP 692; 10 credits total).

- ESP 720 - Field Experience in Special Education
- ESP 692 - Student Teaching Seminar

Degree Requirements

See Plan Degree Requirements below.

Graduation Requirements

See Plan Graduation Requirements below.

Subplan 3 Requirements: Emotional and Behavioral Disorders Track

Total Credits Required: 36

Course Requirements

Required Courses - Credits: 9

Complete the following three (3) courses; if students completed an introduction to special education or disability course in a previous degree, they should meet with their advisor to discuss a possible course substitution.

- ESP 701 - Introduction to Special Education and Legal Issues
- ESP 722 - Multicultural Perspectives in Special Education
- EPY 702 - Research Methods

Emotional and Behavioral Disorders Courses – Credits: 15

Complete 15 credits from the following list of courses, or other advisor-approved courses. When registering for ESP 717B, you must register for three credits.

- ESP 705 - Psychological and Sociological Problems of Students with Emotional Disabilities
- ESP 706 - Advanced Educational Strategies for Students with Emotional Disabilities
- ESP 717B - Seminar in Advanced Curriculum Development
- ESP 727 - Technology in Special Education
- ESP 735 - Advanced Behavior Management

Elective Courses – Credits: 12

Complete 12 credits of advisor-approved elective courses.

Degree Requirements

See Plan Degree Requirements below.

Graduation Requirements

See Plan Graduation Requirements below.

Subplan 4 Requirements: Generalist - Mild Disabilities Track

Total Credits Required: 36

Course Requirements

Required Courses - Credits: 9

Complete the following three (3) courses; if students completed an introduction to special education or disability course in a previous degree, they should meet with their advisor to discuss a possible course substitution.

- ESP 701 - Introduction to Special Education and Legal Issues

- ESP 722 - Multicultural Perspectives in Special Education

- EPY 702 - Research Methods

Generalist Courses – Credits: 27

Complete 27 credits from the following list of courses, or other advisor-approved courses. When registering for ESP 737I (Resource Room Practicum), you must register for three credits.

- ESP 708 - Advanced Education Strategies for Students with Disabilities
- ESP 709 - Diagnostic and Prescriptive Assessment for Diverse Learners
- ESP 710 - Data-Based Decision Making and Student Growth Models
- ESP 719A - Advanced Oral and Written Language Instruction for Students with Disabilities
- ESP 724 - Math Methods in Special Education
- ESP 730 - Parent Involvement in Special and General Education
- ESP 733 - Management and Modification of Students with Special Needs
- ESP 734 - Vocational and Career Education for Persons with Disabilities in Transition
- ESP 737I - Resource Room

Student Teaching Courses – Credits: 12 (Optional)

Student teaching is optional for the completion of the Master of Education in Special Education - Generalist degree, however, may be required for licensure in the state of Nevada. Students should meet with their advisor to discuss student teaching options aligned to licensure requirements. If students register for student teaching, then they must register for 10 credits of student teaching (ESP 691) and 2 credits of seminar (ESP 692; 12 credits total).

- ESP 691 - Student Teaching in Special Education
- ESP 692 - Student Teaching Seminar

Degree Requirements

See Plan Degree Requirements below.

Graduation Requirements

See Plan Graduation Requirements below.

Subplan 5 Requirements: Gifted and Talented Track

Total Credits Required: 36

Course Requirements

Required Courses – Credits: 6

- EPY 702 - Research Methods
- ESP 722 - Multicultural Perspectives in Special Education

Special Education Course – Credits: 3

Complete 3 credits from the following list of courses or other advisor-approved courses.

- ESP 701 - Introduction to Special Education and Legal Issues

Technology Course – Credits: 3

Complete 3 credits from the following list of courses or other advisor-approved courses.

- CIT 601 - Technology Applications Elementary Curriculum
- ESP 727 - Technology in Special Education

Assessment Course – Credits: 3

Complete 3 credits from the following list of courses or other advisor-approved courses.

- ESP 710 - Data-Based Decision Making and Student Growth Models

Gifted Education Courses – Credits: 12

Complete 12 credits from the following list of courses or other advisor-approved courses. When registering for ESP 717G, you must register for three credits.

- ESP 717G - Seminar in Advanced Curriculum Development
- ESP 741 - Introduction to Gifted Education
- ESP 742 - Dimensions of Giftedness
- ESP 743 - Teaching Models in Gifted Education
- ESP 745 - Experiential Learning in Gifted Education
- ESP 746 - Creativity in Gifted Education
- ESP 747 - Contemporary Considerations Gifted Education

Elective Courses – Credits: 9

Complete 9 credits of advisor-approved courses.

Fieldwork Courses – Credits: 10 (Optional)

Fieldwork is optional for the completion of the Master of Education in Special Education - Gifted Education degree, however, may be required for licensure in the state of Nevada. Students should meet with their advisor to discuss fieldwork options aligned to licensure requirements. If students register for fieldwork, then they must register for 8 credits of fieldwork (ESP 720) AND 2 credits of seminar (ESP 692; 10 credits total).

- ESP 720 - Field Experience in Special Education
- ESP 692 - Student Teaching Seminar

Degree Requirements

See Plan Degree Requirements below.

Graduation Requirements

See Plan Graduation Requirements below.

Subplan 6 Requirements: Intellectual Disabilities Track

Total Credits Required: 36

Course Requirements

Required Courses – Credits: 9

Complete the following three (3) courses; if students completed an introduction to special education or disability course in a previous degree, they should meet with their advisor to discuss a possible course substitution.

- ESP 701 - Introduction to Special Education and Legal Issues
- ESP 722 - Multicultural Perspectives in Special Education
- EPY 702 - Research Methods

Intellectual Disabilities Courses - Credits: 15

Complete 15 credits from the following list of courses, or other advisor-approved courses.

- ESP 702 - Psychological and Social Problems in Intellectual Disabilities
- ESP 704 - Adaptive Curricular Programming for Persons with Intellectual Disabilities
- ESP 715 - Communication Programming for Persons with Severe Disabilities
- ESP 718 - Assessment of Persons with Severe Intellectual Disabilities
- ESP 755 A - Medically Related Aspects of Disabilities
- Special Education Elective Courses – Credits: 12

Complete 12 credits from the following list of courses or other advisor-approved courses.

- ESP 710 - Data-Based Decision Making and Student Growth Models
- ESP 719A - Advanced Oral and Written Language Instruction for Students with Disabilities
- ESP 724 - Math Methods in Special Education
- ESP 730 - Parent Involvement in Special and General Education
- ESP 733 - Management and Modification of Students with Special Needs
- ESP 734 - Vocational and Career Education for Persons with Disabilities in Transition

Fieldwork Courses – Credits: 10 (Optional)

Fieldwork is optional for the completion of the Master of Education in Special Education - Intellectual Disabilities degree, however, may be required for licensure in the state of Nevada. Students should meet with their advisor to discuss fieldwork options aligned to licensure requirements. If students register for fieldwork, then they must register for 8 credits of fieldwork (ESP 720) AND 2 credits of seminar (ESP 692; 10 credits total).

- ESP 720 - Field Experience in Special Education
- ESP 692 - Student Teaching Seminar

Degree Requirements

See Plan Degree Requirements below.

Graduation Requirements

See Plan Graduation Requirements below.

Subplan 7 Requirements: Learning Disabilities Track

Total Credits Required: 36

Course Requirements

Required Courses - Credits: 9

Complete the following three (3) courses; if students completed an introduction to special education or disability course in a previous degree, they should meet with their advisor to discuss a possible course substitution.

- ESP 701 - Introduction to Special Education and Legal Issues
- ESP 722 - Multicultural Perspectives in Special Education
- EPY 702 - Research Methods

Learning Disabilities Courses – Credits: 15

Complete 15 credits from the following list of courses, or other advisor-approved courses. When registering for ESP 717C, you must register for three credits.

ESP 701 - Introduction to Special Education and Legal Issues

ESP 707 - Theories of Learning Disabilities

ESP 708 - Advanced Education Strategies for Students with Disabilities

ESP 709 - Diagnostic and Prescriptive Assessment for Diverse Learners

ESP 717C - Seminar in Advanced Curriculum Development

ESP 727 - Technology in Special Education

Elective Courses – Credits: 12

Complete 12 credits of advisor-approved courses.

Degree Requirements

See Plan Degree Requirements below.

Graduation Requirements

See Plan Graduation Requirements below.

Subplan 8 Requirements: Other Professional Areas Track

Total Credits Required: 36

Course Requirements

Required Courses – Credits: 6

- EPY 702 - Research Methods
- ESP 722 - Multicultural Perspectives in Special Education

Special Education Courses – Credits: 15

Complete 15 credits of advisor-approved course work in special education.

Elective Courses – Credits: 15

Complete 15 credits of advisor-approved course work.

Degree Requirements

See Plan Degree Requirements below.

Graduation Requirements

See Plan Graduation Requirements below.

Subplan 9 Requirements: Early Childhood Special Education Infant Track

Total Credits Required: 36

Course Requirements

Required Courses – Credits: 6

- EPY 702 - Research Methods
- ESP 722 - Multicultural Perspectives in Special Education

Early Childhood Special Education Courses – Credits: 15

Complete 15 credits from the following list of courses, or other advisor-approved courses.

- ESP 771 - Perspectives on Early Childhood Special Education
- ESP 772 - Family Education in Early Childhood
- ESP 773 - Assessment for Young Children with Disabilities
- ESP 774 - Seminar in Curriculum Development in Early Childhood Special Education
- ESP 775 - Strategies for Early Childhood Special Education

Cognate Course – Credits: 3

Complete the following courses.

- ESP 779 - Early Intervention Service Coordination

Elective Course – Credits: 9

Complete 9 credits of advisor-approved course work.

Fieldwork Courses – Credits: 3-9

Three (3) credits of fieldwork are required for the Master's degree. For licensure in the state of Nevada, a total of nine (9) credits of fieldwork are required, with two different required placements: one working with young children from birth-2 and one working with young children (3-5) in an early childhood special education setting on a public school campus.

- ESP 780 - Field Experience in Early Childhood Special Education - Infancy

Degree Requirements

See Plan Degree Requirements below.

Graduation Requirements

See Plan Graduation Requirements below.

Subplan 10 Requirements: Early Childhood Special Education Preschool Track

Total Credits Required: 36

Course Requirements

Required Courses – Credits: 6

- EPY 702 - Research Methods
- ESP 722 - Multicultural Perspectives in Special Education
- Early Childhood Special Education Courses – Credits: 15
- Complete 15 credits from the following list of courses, or other advisor-approved courses.
- ESP 771 - Perspectives on Early Childhood Special Education
- ESP 772 - Family Education in Early Childhood
- ESP 773 - Assessment for Young Children with Disabilities
- ESP 774 - Seminar in Curriculum Development in Early Childhood Special Education
- ESP 775 - Strategies for Early Childhood Special Education

Cognate Course – Credits: 3

Complete the following courses.

- ESP 778 - Behavior Management for Early Childhood

Elective Course – Credits: 9

Complete 9 credits of advisor-approved courses.

Fieldwork Course – Credits: 3-9

Three (3) credits of fieldwork are required for the Master's degree. For licensure in the state of Nevada, a total of nine (9) credits of fieldwork are required, with two different required placements: one working with young children from birth-2 and one working with young children (3-5) in an early childhood special education setting on a public school campus.

- ESP 781 - Field Experience in Early Childhood Special Education - Preschool/Kindergarten

Degree Requirements

See Plan Degree Requirements below.

Graduation Requirements

See Plan Graduation Requirements below.

Plan Degree Requirements

Previous course work included in submitted graduate plans of study must have a grade of B or better. Only two subsequent grades of less than B- (one with an ESP or ECE prefix and one with any other prefix) will be permitted in a submitted plan of study. Under no circumstances will a Grade Point Average (GPA) of less than 3.00 be allowed on a finished plan of study. Failure to meet these standards will result in suspension from the degree program.

For licensure in the state of Nevada:

1. Students must complete a total of 8-10 credits of student teaching or fieldwork, depending on their licensure area, plus a 2 credit fieldwork seminar; any additional credits will not count towards the degree program. Students should speak with their advisor to determine fieldwork courses that may be required for licensure.
2. In order to be endorsed in English Language Acquisition and Development the following five courses must be completed in addition to the courses required as part of the degree program:

TESL 751 – Theory and Practice for Academic English Language Development

TESL 752 – TESL Methods and Curriculum for Teaching ELs

TESL 754 – TESL Assessment and Evaluation of ELs

TESL 759 - Critical Issues and Best Practices for Pre-K/Elementary or Secondary Practicum.

3. To complete their Master's degree, students must successfully complete and pass a comprehensive examination. The comprehensive examination is taken during the student's last semester of coursework or in the semester immediately following completion of coursework listed on the student's Plan of Study. If students opt to take the comprehensive exam the semester after completion of the coursework listed on their Program of Studies, they must enroll in ESP 766 or another graduate course. Per Graduate College Guidelines, students must be enrolled in a minimum of 3 hours of coursework the semester they graduate.

Students must apply to take comprehensive examinations. Specific application deadlines are available in the Department of Early Childhood, Multilingual, and Special Education. If a student does not pass their comprehensive examination on the first attempt, students enrolled in the ABA, Autism, Emotional and Behavioral Disorders, Generalist, Gifted, Intellectual Disabilities, Learning Disabilities, and Other Professional Areas subplans can retake their exam one time during the same semester of the initial test. If they fail a second time, they will be recommended for probation with the Graduate College

and must apply to retake the exam in the subsequent semester. A third score of fail on the exam will result in separation from the program.

For students in the Early Childhood Special Education subplan, students who earn a mark of fail on their comprehensive exams will be recommended for probation with the Graduate College and must apply to take the exam in the subsequent semester. A second score of fail on the exam will result in separation from the program.

Master's degrees must be completed within a six-year period and continuous enrollment must be maintained throughout the six years, unless a formal request for a leave of absence is approved by the department and Graduate College

Plan Graduation Requirements

The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing their degree requirements for the program.

Doctor of Philosophy - Special Education

Plan Description

The Doctor of Philosophy Degree (Ph.D.) is designed with an emphasis in the development of skills in scientific inquiry and leadership. Students enrolled in this study program gain an understanding of philosophy and theory as they relate to the conduct of research and program evaluation. Graduates pursue careers in schools, institutions of higher education, research centers and agencies that require the competencies developed through a Ph.D. course of study.

For more information about your program, including your graduate program handbook and learning outcomes, please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

Applicants to the Special Education Ph.D. program must complete the Graduate College Application for Admission and arrange to have official transcripts sent to the Graduate College. Graduate level transcripts should indicate grade point averages (and receipt of a post baccalaureate degree in special education or a related field).

The following materials also should be submitted through the online application network.

1. A letter of application that clearly articulates professional and research goals that are related to the focus of the Ph.D. degree program in Special Education;

2. Three letters of recommendation – at least one from an individual familiar with the applicant's academic performance and potential for doctoral degree completion and at least one from an individual knowledgeable of the applicant's quality of work experience;
3. Representative samples of scholarly writing, preferably in APA style, and/or other media samples related to professional study;
4. A resume of professional preparation and experience (a minimum of two to three years of professional experience in special education, general education or other relevant field as a teacher, administrator or related service provider for children and adults with disabilities and/or giftedness is preferred);
5. Scores from the verbal, quantitative and analytical sections of the Graduate Record Examination (GRE) (taken within five years from the date of application for admission). Applicants should arrange to have official notification of GRE scores sent to the Department of Early Childhood, Multilingual, and Special Education. The department does not impose minimum GRE scores.

It is the student's responsibility to ensure that his/her applicant file is complete. Incomplete files will not be considered. Application materials for U.S. residents requesting financial support are due March 1.

Note: The department admissions committee may request additional materials and/or conduct a personal interview after reviewing initial applicant files.

In general, applicants will be expected to have a 3.50 grade point average on all graduate-level work and an indication of potential to complete all requirements of doctoral study successfully (provided through submitted writings or creative products, letters of recommendation and GRE results) to be admitted as doctoral students in the Department of Early Childhood, Multilingual, and Special Education.

After Admission Committee review, the Doctoral Program Coordinator may recommend to the department faculty that the applicant be: 1) admitted fully to the Ph.D. program in special education, 2) admitted provisionally to the Ph.D. program or 3) denied admission to the Ph.D. program in special education. A recommendation for provisional admission may occur when an applicant has not met the criteria or prerequisites to do advanced graduate level work. Provisional admission requires the satisfactory completion (e.g., with a minimum 3.50 grade-point average) of nine or more hours in regularly scheduled graduate courses approved by the student's advisor and departmental faculty. After completion of the provisional program, the Doctoral Coordinator and Department Chair recommend to the Graduate College that the student either be transferred to regular status or dropped from the program.

Note: To apply for a Graduate Assistantship, applicants

must complete online the Graduate Assistant Application for the Department of Early Childhood, Multilingual, and Special Education.

All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

Total Credits Required: 72

Course Requirements

Required Courses – Credits: 21

- ESP 763 - Seminars in Selected Special Educational Topics
- ESP 782R - Professional Seminar in Special Education
- ESP 783R - Leadership Seminar in Special Education
- ESP 785 - Issues, Trends and Futures in Special Education
- ESP 786 - Legal and Political Issues in Special Education Programming
- ESP 788 - Single Subject Methods in Special Education
- ESP 789 - Grant Writing for Human Services

Research Courses – Credits: 6

- EPY 721 - Descriptive and Inferential Statistics: An Introduction
- ESP 791 - Proposal Design and Analysis

Statistics Course – Credits: 3

Complete one of the following courses, or another advisor-approved equivalent course.

- EPY 722 - Inferential Statistics and Experimental Design
- KIN 751 - Selected Application of Statistical Techniques I

Additional Research Courses – Credits: 6

Complete 6 credits from the following list of courses, or other advisor-approved courses.

- EPY 716 - Evaluation Research Methods
- EPY 718 - Qualitative Research Methodologies
- EPY 733 - Multivariate Statistics
- KIN 752 - Selected Application of Statistical Techniques II

Internship Course – Credits: 6

Credits must include 3 credits in Topic A: Research and 3 credits in Topic B: Teaching.

- ESP 794 - Internship in Special Education

Leadership & Exceptionality Courses – Credits: 15

Complete 15 credits of advisor-approved leadership and exceptionality courses from one or more of the following leadership concentrations: Parenting, Administration, Research, Diagnosis/Assessment, Transition, Early Childhood Special Education, Early Childhood Education, Higher Education, Technology, Consultation, or Curriculum.

Complete credits in two specialty areas from the following list: Autism, Learning Disabilities, Emotional Disturbance, Mental Retardation, Gifted and Talented Education, Developmental Disabilities/Children at Risk.

Prospectus Course – Credits: 3

Complete the following course as an independent study supervised by the advisor.

- ESP 796 - Dissertation Prospectus

Dissertation – Credits: 12

- ESP 799 - Dissertation

Plan Degree Requirements

The program of study requires a minimum of 72 semester hours. Only credits that meet the following criteria may be included on the formal Program of Study:

- Those not previously used to fulfill requirements for another degree;
- Those taken while enrolled at an accredited graduate degree-granting institution in a degree-granting program;
- Those taken as a non-degree seeking student (not to exceed 15 total semester hours); and
- Those for which a grade of B or higher was earned.

Doctoral students must earn a grade of B or higher in all core curriculum courses.

Doctoral Students must earn a grade of B or higher in EPY 721 and EPY 722/KIN 751.

Doctoral students are required to spend a minimum of two consecutive semesters (Fall-Spring, Spring-Summer or Summer-Fall) in full-time resident study in the Department of Early Childhood, Multilingual, and Special Education. Full-time resident study is defined as being enrolled in at least nine semester hours of graduate level course work from an approved Program of Study (six semester hours if the student is a graduate assistant). In cases where residency includes a semester of course work prior to submission of the Program of Study, the advisor must approve residency. Work during residency is allowed. However, if the student is employed as a graduate

assistant, any additional work beyond that performed as an assistant must conform to the rules of the University and Graduate College.

Two-thirds of the total semester hours included on the formal Program of Study (not including dissertation) must be taken at UNLV. Faculty members of the Department of Early Childhood, Multilingual, and Special Education instructing specialist's and/ or master's classes initiate an interaction with doctoral students enrolled in these courses regarding the appropriateness of both the content and performance requirements for doctoral students. Students not admitted to the doctoral program in Early Childhood, Multilingual, and Special Education (or to another doctoral program in the College of Education) may enroll in: ESP 782 - Professional Seminar in Special Education (formerly ESP 760) and two additional Core Curriculum Courses with consent of instructor prior to formal admission.

The Early Childhood, Multilingual, and Special Education Doctoral Colloquium typically is held one Friday each semester. The Doctoral Coordinator coordinates these meetings with the assistance of the special education faculty and doctoral students.

After taking ESP 763O, ESP 782, ESP 783R, and ESP 785 (typically within the first year of the program), students will complete a first year qualifying experience. Students will work with their advisor to write a current perspectives paper in which they will:

- Identify their area of scholarly interest,
- Analyze the literature in their area of interest,
- Discuss current issues and perspectives related to that issue, and
- Propose an idea for future research and inquiry related to that topic area; additionally, students will critique an empirical article focused on their issue.

Two weeks prior to the scheduled review date, students will submit the qualifying experience paper and article critique to a faculty committee and will prepare a 10-minute presentation that addresses their issue and future line of inquiry as well as their programmatic and professional goals, including their plan of study. The committee will score the paper and presentation using the following scale: Pass, Pass with provisions, Does not pass. A student scoring "pass with provisions" would be provided a plan of action to support them in addressing any areas of concern noted in the paper or presentation; this plan would be implemented during the year following the successful completion of their qualifying experience. A student scoring "does not pass" would have the opportunity to rewrite the paper and do a second presentation during the subsequent semester (directly following the initial presentation). Students scoring "pass with provisions" or "does not pass" would be placed on probation with the Doctor of Philosophy in Special Education program. If a student scores "does not pass" twice, they will be

recommended for separation from the program.

The comprehensive examination is taken during the semester immediately preceding enrollment in ESP 799 Dissertation. The comprehensive examination consists of 16 hours of written examinations with eight hours structured by the student's major advisor and eight hours structured by the other internal committee members. The examinations are scheduled on two successive Fridays. The student's advisor determines the specific dates of the examination. The questions on the comprehensive examination address elements of the Core, Research, Leadership Studies, Exceptionality Specialties, and any course work taken for licensure or endorsements. The student's Doctoral Studies Committee provides general parameters from which questions are selected. "Take-home" examinations, in whole or in part, are not allowed. Students may use college provided technology for word-processing. Grading consists of three categories: Pass, Fail, and Pass with Distinction. Pass with Distinction occurs contingent upon a unanimous vote of the committee excluding the Graduate College representative. Students who fail the comprehensive examination will be placed on probation and must wait 4 months from the date of the failed examination to re-write their exam. However, under no circumstances may the reexamination be later than the semester following the failed examination. Students not passing the comprehensive examination on the re-write will be "excused" from the program.

Upon successful completion of the comprehensive examination, the student selects a dissertation committee (i.e., minimum of three faculty members from the Department of Early Childhood, Multilingual, and Special Education and an outside member appointed by the Graduate College) and submits a dissertation proposal to the committee. This proposal includes an introduction, review of the literature, and a discussion of study methods. Two weeks after this proposal is submitted to the dissertation committee, the committee meets with the student to accept or reject the proposal, as well as provide a critique of its relative strengths and weaknesses. Upon acceptance of the student's dissertation proposal, a recommendation for advancement to candidacy is submitted to the Graduate College.

Upon completion of the full dissertation, a defense is scheduled. Students need to obtain *The Guide to Preparing and Submitting a Thesis or Dissertation* from the Graduate College web site.

Plan Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
2. The student must submit and successfully defend his/her dissertation by the posted deadline. The defense must be advertised and is open to the public.
3. After the dissertation defense, the student must

electronically submit a properly formatted pdf copy of their dissertation to the Graduate College for format check. Once the dissertation format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for dissertation defenses, format check submissions, and the final ProQuest submission can be found here.

Dual Degree: Doctor of Philosophy - Special Education & Juris Doctor

Plan Description

The Doctor of Philosophy Degree (Ph.D.) is designed with an emphasis in the development of skills in scientific inquiry and leadership. Students enrolled in this study program gain an understanding of philosophy and theory as they relate to the conduct of research and program evaluation. Graduates pursue careers in schools, institutions of higher education, research centers and agencies that require the competencies developed through a Ph.D. course of study.

Pursued individually, the J.D. degree requires the completion of 89 credit hours and the Ph.D. degree requires the completion of a minimum of 72 credit hours. The J.D./Ph.D. degree would require the completion of 80 law credit hours and a minimum of 63 education credit hours, as 9 hours of education courses are accepted toward the J.D. degree and 9 hours of law courses are accepted toward the Ph.D. degree.

For more information about your program, including your graduate program handbook and learning outcomes, please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

Applicants to the J.D./Ph.D. program must submit formal applications for admission to both the William S. Boyd School of Law and to the Graduate College. Students must meet the requirements for admission to both programs. Admission requirements are the same as those stated under the regular J.D. and Special Education Ph.D. programs.

A dual program candidate must complete the Graduate College, Law School and Special Education Ph.D. admission processes in order to matriculate. Successful completion of the first year of law school is a precondition to commencement of work on the Ph.D. program. A law school student may be admitted to the dual program by gaining admission to the Special Education Ph.D. program after successful completion of the first year of law school with the consent of both programs.

Students interested in the dual program should alert

Graduate College admission personnel when commencing the admission process. Students interested in the Dual Degree Program should alert the Special Education Ph.D. Admissions Coordinator so that consultation on the admissions process can be initiated.

All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

Total Credits Required: 143

Course Requirements

Total Credits Required for the Doctor of Philosophy – Special Education: 63

Required Courses – Credits: 21

- ESP 782R - Professional Seminar in Special Education
- ESP 783R - Leadership Seminar in Special Education
- ESP 784 - Seminar in Advanced Special Education Technology
- ESP 785 - Issues, Trends and Futures in Special Education
- ESP 787 - Philosophical Perspectives in Special Education
- ESP 788 - Single Subject Methods in Special Education
- ESP 789 - Grant Writing for Human Services

Research Courses – Credits: 6

- EPY 721 - Descriptive and Inferential Statistics: An Introduction
- ESP 791 - Proposal Design and Analysis

Statistics Course – Credits: 3

Complete one of the following courses, or another advisor-approved equivalent course.

- EPY 722 - Inferential Statistics and Experimental Design
- KIN 751 - Selected Application of Statistical Techniques I

Additional Research Courses – Credits: 6

Complete 6 credits from the following list of courses, or other advisor-approved courses.

- EPY 716 - Evaluation Research Methods
- EPY 718 - Qualitative Research Methodologies
- EPY 733 - Multivariate Statistics

- KIN 752 - Selected Application of Statistical Techniques II

Internship Course – Credits: 6

- ESP 794 - Internship in Special Education

Leadership & Exceptionality Courses – Credits: 6

Complete 6 credits of advisor-approved leadership and exceptionality courses from one or more of the following leadership concentrations: Parenting, Administration, Research, Diagnosis/Assessment, Transition, Early Childhood Special Education, Early Childhood Education, Higher Education, Technology, Consultation, or Curriculum.

Complete credits in specialty areas from the following list: Autism, Learning Disabilities, Emotional Disturbance, Mental Retardation, Gifted and Talented Education, Developmental Disabilities/Children at Risk.

Prospectus Course – Credits: 3

Complete the following course as an independent study supervised by the advisor.

- ESP 796 - Dissertation Prospectus

Dissertation – Credits: 12

- ESP 799 - Dissertation

Total Credits Required for the Juris Doctor: 80

Required Courses – Credits: 44

Directed Electives – Credits: 9

Free Electives – Credits: 27

Degree Requirements

1. Students must be admitted to both the J.D. and Ph.D. programs with graduate standing. The candidates must successfully complete the 80 credit hours of Law course work and 63 credit hours of the Ph.D. required course work.
2. William S. Boyd School of Law cannot award credit for any class taken before matriculation. J.D./Ph.D. candidates are required to enroll at the Boyd School of Law and complete one year of study before taking any Ph.D. courses.
3. The Ph.D. program of study requires a minimum of 63 semester hours. Only credits that meet the following criteria may be included on the formal Program of Study:
 1. Those not previously used to fulfill requirements for another degree;
 2. Those taken while enrolled at an accredited graduate degree-granting institution in a degree-granting program;
 3. Those taken as a non-degree seeking student (not to exceed 15 total semester hours); and

4. Those for which a grade of B or higher was earned.

4. Students in the J.D./Ph.D. program must remain in good standing in both J.D. and Ph.D. programs.
5. Doctoral students must earn a grade of B or higher in all core curriculum courses.
6. Doctoral Students must earn a grade of B or higher in EPY 721 and EPY 722/KIN 751.
7. Doctoral students are required to spend a minimum of two consecutive semesters (Fall-Spring, Spring-Summer or Summer-Fall) in full-time resident study in the Department of Early Childhood, Multilingual, and Special Education. Full-time resident study is defined as being enrolled in at least nine semester hours of graduate level course work from an approved Program of Study (six semester hours if the student is a graduate assistant). In cases where residency includes a semester of course work prior to submission of the Program of Study, the advisor must approve residency. Work during residency is allowed. However, if the student is employed as a graduate assistant, any additional work beyond that performed as an assistant must conform to the rules of the University and Graduate College.
8. Two-thirds of the total semester hours included on the formal Program of Study (not including dissertation) must be taken at UNLV. Faculty members of the Department of Early Childhood, Multilingual, and Special Education instructing specialist's and/ or master's classes initiate an interaction with doctoral students enrolled in these courses regarding the appropriateness of both the content and performance requirements for doctoral students. Students not admitted to the doctoral program in Early Childhood, Multilingual, and Special Education (or to another doctoral program in the College of Education) may enroll in: ESP 782 - Professional Seminar in Special Education (formerly ESP 760) and two additional Core Curriculum Courses with consent of instructor prior to formal admission.
9. The Early Childhood, Multilingual, and Special Education Doctoral Colloquium typically is held one Friday each semester. The Doctoral Coordinator coordinates these meetings with the assistance of the special education faculty and doctoral students.
10. The comprehensive examination is taken during the semester immediately preceding enrollment in ESP 799 Dissertation. The comprehensive examination consists of 16 hours of written examinations with eight hours structured by the student's major advisor and eight hours structured by the other internal committee members. The examinations are scheduled on two successive Fridays. The student's advisor determines the specific dates of the examination. The questions on the comprehensive examination address elements of the Core,

Research, Leadership Studies, Exceptionality Specialties, and any course work taken for licensure or endorsements. The student's Doctoral Studies Committee provides general parameters from which questions are selected. "Take-home" examinations, in whole or in part, are not allowed. Students may use college provided technology for word-processing. Grading consists of three categories: Pass, Fail, and Pass with Distinction. Pass with Distinction occurs contingent upon a unanimous vote of the committee excluding the Graduate College representative. Students who fail the comprehensive examination will be placed on probation and must wait 4 months from the date of the failed examination to re-write their exam. However, under no circumstances may the reexamination be later than the semester following the failed examination. Students not passing the comprehensive examination on the re-write will be "excused" from the program.

11. Upon successful completion of comprehensive examination, the student selects a dissertation committee (i.e., minimum of three faculty members from the Department of Early Childhood, Multilingual, and Special Education, one law school faculty member, and an outside member appointed by the Graduate College) and submits a dissertation proposal to the committee. This proposal includes an introduction, review of the literature, and a discussion of study methods. The Dual Degree Program Coordinator will sit on all dissertation committees. Two weeks after this proposal is submitted to the dissertation committee, the committee meets with the student to accept or reject the proposal, as well as provide a critique of its relative strengths and weaknesses. Upon acceptance of the student's dissertation proposal, a recommendation for advancement to candidacy is submitted to the Graduate College.
12. Upon completion of the full dissertation, a defense is scheduled. Students need to obtain The Guide to Preparing and Submitting a Thesis or Dissertation from the Graduate College web site.

Plan Graduation Requirements

The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.

The student must submit and successfully defend his/her dissertation by the posted deadline. The defense must be advertised and is open to the public.

After the dissertation defense, the student must electronically submit a properly formatted pdf copy of their dissertation to the Graduate College for format check. Once the dissertation format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for dissertation defenses, format check submissions, and the final ProQuest submission can be found here.

Early Childhood, Multilingual, and Special Education Courses

CED 783 - Understanding and Treating Trauma Credits 3

This course will orient students to relevant literature and theoretical perspectives regarding psychological trauma, including an appreciation of its symptoms, progression, and impact across areas of one's life. Students will be provided with knowledge of current assessment measures and learn empirically-based treatment practices related to post traumatic and acute stress disorders. Grading Letter grade

CIL 543 - Literacy Instruction II: Clinic-based Credits 3

Methods of instruction and assessment for intermediate grade readers and writers. Designed to help teacher candidates acquire knowledge and strategies related to literacy development and engagement through classroom application, reflection, analysis, and implementation of lessons with diverse learners through tutoring. Formerly CIL 720 Same as EDRL 443 Notes: This course is crosslisted with EDRL 443. Credit at the 500-level requires additional work. Grading Letter grade

ECE 706 - Planning Curriculum for Young Children Credits 3

Examination of basic principles underlying the development and planning of non-handicapped early childhood education curriculum. Notes: Review of components of selected curricular areas.

ECE 707 - Programs in Early Childhood Education Credits 3

Overview of current models of early childhood education. Includes principles, research studies, and current trends as factors related to the education of young children.

ECE 709 - Investigations in Early Childhood Education Credits 3

Current practices and methods in early childhood education investigated and evaluated in depth. Prerequisites: Consent of instructor.

ECE 710 - Planning and Administering Early Childhood Programs Credits 3

Investigates the basic principles involved in establishing and operating centers for the young child; examines the historical background of the early childhood education movement; and reviews theories of child development as they relate to planning, operating, and evaluating centers. Prerequisites: Consent of instructor.

ECE 711 - Science and Math for Young Children Credits 3

Preparation, by modeling, for presenting and structuring appropriate science activities/experiences for young children (PK-2) with emphasis on integrating process skills with life, earth, and physical science concepts. Prerequisites: Nine hours of content science, or consent of instructor.

ECE 722 - Theoretical Bases for Early Childhood Education Credits 3

Examination of the underlying theories and perspectives supporting early childhood education. Emphasis on the theoretical foundations for early childhood education and the application of developmental theories across domains.

ECE 726 - Early Education for Infants and Toddlers Credits 3

Theoretical and practical approaches to early education services for newborns, infants, toddlers, and their families. Development of infants and toddlers within the developmental domains and focuses on attachment, milestones, identification of developmental delays, and program development and evaluation.

ECE 740 - Early Language and Learning Credits 3

Focuses on the theory, research and practice of language

development from birth through age eight. Opportunities to implement your understanding of language development for typically developing children and children with special needs.

ECE 781 - Early Childhood Education Field Experience Credits 3-8

Includes program planning, implementing lesson plans, guidance of students, and working with families. Candidates will be placed with young children birth to age eight. Prerequisites: Completion of all ECE licensure coursework or consent of instructor.

ESP691-Student Teaching in Special Education Credits 1-12

Full-time supervised practice teaching with exceptional children. Notes: This course is crosslisted with EDSP 491. Credit at the 600-level requires additional work. Corequisite: ESP 692

ESP 692 - Student Teaching Seminar Credits 2

Application of specific curricular learning and procedures designed to facilitate the task of the student teacher. Notes: This course is crosslisted with EDSP 492. Credit at the 600-level requires additional work. Corequisite: ESP 691

ESP 700 - Problems in Special Education Credits 1 – 6

Specialized instruction in special education designed to develop depth in understanding a current educational problem of the in-service teacher. Notes: Maximum of six credits accepted toward degree from special education courses in EPY 700, ESP 700, and ICG 700.

ESP 701 - Introduction to Special Education and Legal Issues Credits 3

Survey of the characteristics, training, and educational needs of students with disabilities. Designed for graduate students in special education, general education, nursing, counseling, psychology and related fields. Notes: Required of all students in the Generalist Program who do not have a bachelor's degree in special education.

ESP 702 - Psychological and Social Problems in Intellectual Disabilities Credits 3

Study and interpretation of theories and research on the learning characteristics of person with intellectual disabilities: psychological and social contributions to educative/habilitative solutions in intellectual disabilities.

ESP 703 - Prescriptive and Precision Teaching with Intellectual Disabilities Credits 3

Cognitive, adaptive, and diagnostic-prescriptive instructional strategies and behavioral interventions for persons with intellectual disabilities and diverse educational and community settings.

ESP 704 - Adaptive Curricular Programming for Persons with Intellectual Disabilities Credits 3

In-depth analysis and application of curricular development and implementation for persons with intellectual disabilities in diverse educational settings.

ESP 705 - Psychological and Sociological Problems of Students with Emotional Disabilities Credits 3

Study and interpretation of theories and research concerning learning characteristics and psychological and social aspects of the student with emotional disabilities within the school setting.

ESP 706 - Advanced Educational Strategies for Students with Emotional Disabilities Credits 3

Evaluation of the behavioral characteristics of students with emotional disabilities applied to practical classroom strategies. Application of treatment strategies and relevant research to the educational problems of students with emotional disabilities Prerequisites: ESP 705

ESP 707 - Theories of Learning Disabilities Credits 3

Study of the contemporary positions regarding learning disabilities. Curricular implications of positions emphasized.

ESP 708 - Advanced Education Strategies for Students with Disabilities Credits 3

Advanced instructional methods and procedures applicable to the education of children with learning disabilities. Prerequisites: ESP 701 or ESP 707

ESP 709 - Diagnostic and Prescriptive Assessment for Diverse Learners Credits 3

Establishment of educationally relevant diagnostic and prescriptive teaching procedures for students who are learners (i.e., students with/or at-risk for disabilities, including those who are second language learners). Emphasis upon both individual and group prescriptive classroom methodologies. Prerequisites: ESP 701 or ESP 708

ESP 710 - Data-Based Decision Making and Student Growth Models Credits 3

Focus on the process of differentiating instruction using data-based decision making, anchored in academic content standards. Examine methods to track student growth over time towards mastery of academic content. Grading Letter Prerequisites: ESP 701 and ESP 709

ESP 712 - Applied Behavior Analysis Credits 3

Evaluation of the application of behavior analysis in classroom, clinical, and consultative settings. Includes definition and characteristics of applied behavior analysis, basic principles of behavior, measurement and observation procedures, evaluation and analysis of behavior change, procedures for increasing and decreasing behavior, and systems applications.

ESP 713 - Affective Assessment Models Credits 3

Study of affective behavioral testing procedures applicable to children and adolescents in public school settings. Emphasis on classroom observational techniques, as well as supplemental employment of data obtained through school relevant behavior rating scales and checklists, task analysis assessments, projective and group personality testing and case studies. Prerequisites: Consent of instructor.

ESP 714 - Advanced Seminar in Learning Disabilities Credits 3 - 6

In-depth review of recent developments and research in the field of learning disabilities. Notes: May be repeated to a maximum of nine credits. Prerequisites: ESP 607 Corequisite:ESP 611

ESP 715 - Communication Programming for Persons with Severe Disabilities Credits 3

Critical study of disorders affecting communication of persons with severe disabilities. Emphasis on developmental considerations, ecological needs, clinical assessment, selection and implementation of augmentative systems, support services, funding, and research. Grading Letter grade

ESP 717A - Seminar in Advanced Curriculum Development Credits 1 – 9

Critical study of current curricular models in special education. Areas of emphasis: mental retardation. Notes: May be repeated to a maximum of nine credits. Prerequisites: ESP 701

ESP 717B - Seminar in Advanced Curriculum Development Credits 1 – 9

Critical study of current curricular models in special education. Areas of emphasis: emotional disturbance. Notes: May be repeated to a maximum of nine credits.

ESP 717C - Seminar in Advanced Curriculum Development Credits 1 – 9

Critical study of current curricular models in special education. Areas of emphasis: learning disabilities. Notes: May be repeated to a maximum of nine credits.

ESP 717D - Seminar in Advanced Curriculum Development Credits 1 – 9

Critical study of current curricular models in special education. Areas of emphasis: early childhood special education. Notes: May be repeated to a maximum of nine credits.

ESP 717E - Seminar in Advanced Curriculum Development Credits 1 – 9

Critical study of current curricular models in special education. Areas of emphasis: adaptive physical education. Notes: May be repeated to a maximum of nine credits.

ESP 717F - Seminar in Advanced Curriculum Development Credits 1 – 9

Critical study of current curricular models in special education. Areas of emphasis: parent education. Notes: May be repeated to a maximum of nine credits.

ESP 717G - Seminar in Advanced Curriculum Development Credits 1 – 9

Critical study of current curricular models in special education. Areas of emphasis: gifted education. Notes: May be repeated to a maximum of nine credits.

ESP 717H - Seminar in Advanced Curriculum Development Credits 1 – 9

Critical study of current curricular models in special education. Areas of emphasis: career education. Notes: May be repeated to a maximum of nine credits.

ESP 717I - Seminar in Advanced Curriculum Development Credits 1 – 9

Critical study of current curricular models in special education. Areas of emphasis: management and staff direction. Notes: May be repeated to a maximum of nine credits.

ESP 717J - Seminar in Advanced Curriculum Development Credits 1 – 9

Critical study of current curricular models in special education. Areas of emphasis: English Language Learners. Notes: May be repeated to a maximum of nine credits.

ESP 718 - Assessment of Persons with Severe Intellectual Disabilities Credits 3

Emphasis on diagnosis and problems encountered in assessing individuals with severe intellectual disabilities. Practice observation techniques, develop and implement ecological inventories, developmental scales, and adaptive behavior scales. Prerequisites: ESP 702 or consent of instructor.

ESP 719A - Advanced Oral and Written Language Instruction for Students with Disabilities Credits 3

Overview course on language development, disabilities, and delays. Information and specific strategies for identifying oral and written language difficulties in students with disabilities. Emphasis on educational applications -- designing and implementing instruction for students with disabilities. Prerequisites: ESP 701

ESP 719B - Advanced Oral and Written Instruction Early Childhood Credits 3

Methods and curriculum in early childhood literacy and early intervention strategies for inclusive education. Prerequisites: ECE 709

ESP 720 - Field Experience in Special Education Credits 1 – 9

Supervised experience in designing and using prescriptive teaching in the classroom. Areas include: (a) intellectual disabilities, (b) emotional/behavioral disabilities, (c) learning disabilities, (d) early childhood special education, (e) autism, and (f) gifted and talented. A maximum of nine credits may be applied to a graduate program. Notes: May be repeated to a maximum of nine credits.

ESP 722 - Multicultural Perspectives in Special Education Credits 3

Introduces trends and issues in special education relative to students with disabilities who come from culturally diverse backgrounds. Educational programming and adaptations emphasized.

ESP 724 - Math Methods in Special Education Credits 3

Effective classroom methods and strategies for assessing, teaching, and monitoring the mathematical performance of students with learning difficulties. Emphasis on practical classroom techniques designed to facilitate skill acquisition, maintenance, retention, and generalization. Computation and problem-solving covered. Prerequisites: ESP 701

ESP 725 - Workshops in Special Education Credits 1 – 3

Supervised instruction through workshops and conferences in topics relevant to special education. Emphasis on in-service education for regular and special education personnel. Notes: May be repeated to a maximum of four credits. Grading S/F grading only.

ESP 726 - Policy Analysis and Development for Special Human Services Credits 3

Principles and practices of policy development and critical analysis of established social policy in local, state, and federal programs and its impact on persons with exceptionalities.

ESP 727 - Technology in Special Education Credits 3

Uses of computers and other technologies in the instruction of students with disabilities. Includes strategies for adapting computers and selecting software for individuals with special needs. Principles for integrating technology into the curriculum and strategies for teaching academic subjects with technology stressed. Overviews of integrated technologies such as hypermedia and access technologies provided.

ESP 728 - Theory of Play Development Credits 3

Critical analysis of theoretical, philosophical, empirical, and educational implications of play. Provides planning, integrating and evaluating play in the educational curriculum.

ESP 729 - Characteristics of Students with Autism Spectrum Disorders Credits 3

Survey of the characteristics of students with autism spectrum disorders, including historical foundations, definitions, placement alternatives, and current issues. Grading Letter grade

ESP 730 - Parent Involvement in Special and General Education Credits 3

Overview of current involvement, rationales for parent involvement, and research that supports it. Focuses on common effort by the school, home and community to provide for students' growth through integrated successive learning experiences that allow for variation in skills, cognitive development, emotional creative abilities, and physical development.

ESP 733 - Management and Modification of Students with Special Needs Credits 3

Provides introduction to applied behavior analysis as it relates to teaching and managing students with special needs. Focuses on teaching new skills and managing inappropriate behavior,

both academic and social. Strengths and weaknesses of common school practices for controlling students' inappropriate behaviors described.

ESP 734 - Vocational and Career Education for Persons with Disabilities in Transition Credits 3

Consideration and design of vocational and career education programs for students with disabilities including those with intellectual disabilities, learning disabilities, emotional disturbances, and others.

ESP 735 - Advanced Behavior Management Credits 3

Application of behavioral, psychoeducational and other management approaches for students with disabilities. Special emphasis given to implementation of behavior management techniques for students with disabilities and students in early childhood special education. Prerequisites: Consent of instructor.

ESP 737B - Emotional Disturbance Credits 1-9

EMOTIONAL DISTURBANCE

ESP 737C - Learning Disabilities Credits 1-9

LEARNING DISABILITIES

ESP 737I - Resource Room Credits 1-9

RESOURCE ROOM

ESP 739 - Advanced Educational Strategies for Students with Autism Spectrum Disorders Credits 3

Advanced instructional methods and curricular models applicable to the education of students with autism spectrum disorders. Prerequisites: ESP 729 or equivalent.

ESP 740 - Speech and Hearing Therapy for Classroom Teachers Credits 3

Overview of common speech and hearing disabilities, with primary teacher-relevant therapeutic methods and materials applicable to general and special classroom contexts.

ESP 741 - Introduction to Gifted Education Credits 3

Introduction to individuals who are gifted, including definition, identification, characteristics, etiology, and nurturing factors. Relationship of creativity and concerns for underachievement, cultural differences, disabilities and gender issues of individuals who are gifted.

ESP 742 - Dimensions of Giftedness Credits 3

Information concerning educational procedures in all areas of functioning appropriate for gifted individuals, along with basic strategies for creativity and self-concept. Skills developed for planning, implementing, and evaluating effective programs for the gifted. Individualization, strategies for teaching, simulation and inquiry skills, and skills of higher-level thinking emphasized. Prerequisites: ESP 741 or equivalent.

ESP 743 - Teaching Models in Gifted Education Credits 3

Provides comprehensive review of teaching-learning models for use in development and implementation of curriculum for gifted students. Prerequisites: ESP 742 or consent of instructor.

ESP 745 - Experiential Learning in Gifted Education Credits 3

Connection between the gifted classroom and the world of work and postsecondary education. Focuses on breaking boundaries of school with emphasis on global issues, rapidly changing workplace, and linkage between schools and future life experiences. Prerequisites: ESP 741

ESP 746 - Creativity in Gifted Education Credits 3

Intensive study of new approaches dealing with creative expression for the gifted student stressing strategies for creativity.

ESP 747 - Contemporary Considerations in Gifted Education Credits 3

Current trends, research and issues in the education of students who are gifted. Prerequisites: ESP 746 and consent of instructor.

ESP 749 - Thesis Credits 3 – 6

Research, analysis, and writing towards completion of thesis and subsequent defense. Notes: May be repeated, but only six credits applied to the student's program. Grading S/F grading only.

ESP 752 - Consultative Techniques in Special Education Credits 3

In-depth emphasis on the differing roles of the special education consultant. Attention given to acquiring practical skills in interviewing parents and teachers of exceptional children.

ESP 753 - Administration and Supervision of Special Education Programs Credits 3

Investigation of existing special education administrative units, pupil placement procedures, student staffing, program reimbursement procedures, and federal funding models. Prerequisites: Consent of area coordinator.

ESP 755 A - Medically Related Aspects of Disabilities Credits 3

Course emphasizes medical bases of typical and atypical development for individuals across the lifespan. Physical systems and disabilities; etiologies, symptoms, and psychosocial implications of disabilities and medical conditions; and interventions, treatment strategies, resources, transition/vocational implications are addressed.

ESP 755B - Medically Related Aspects of Disabilities Credits 3

Course emphasizes medical bases of typical and atypical development for young children birth to eight with developmental delays. Physical systems and disabilities; etiologies, symptoms, and psychosocial implications of disabilities and medical conditions; and interventions, treatment strategies, resources, transition/vocational implications are addressed.

ESP 762 - Ethical Evaluation of Programs for Persons with Exceptionalities/Special Needs Credits 3

Principles and practices in program evaluation including a critical analysis of models, methods of inquiry, evaluator competency issues, implementation strategies, and setting criteria and expectations of impact on persons with exceptionalities/special needs.

ESP 763 - Seminars in Selected Special Educational Topics Credits 1 – 3

Areas of emphasis are a) mental retardation, b) emotional disturbance, c) learning disabilities, d) autism, e) early childhood, f) gifted education, g) parent education, h) higher education, i) special education administration, j) research, k) consultation, l) curriculum, m) technology, n) ABA, o) diversity, p) professional writing, q) data-based decision making and growth models. Notes: May be repeated to a maximum of nine credits. Prerequisites: ESP 760 and consent of instructor.

ESP 764 - Characteristics & Inclusive Strategies for Students with LD, ED, & MID Credits 3

Overview of natural and characteristics of students with mild disabilities. Issues in assessment, curriculum and instruction, and placement discussed.

ESP 766 - Comprehensive Examination Credits 3
Preparation for Comprehensive Examination. Students enroll in this course only if they are not enrolled in coursework in the semester in which they sit for the Comprehensive Examination. Notes: No additional assignments are required. Only one credit will be accepted toward degree plan. Grading S/F grading only.

ESP 770 - Second Language Methods for Diverse Learners in Inclusive Settings Credits 3
Study and implementation of methods and strategies for teaching English language learners (ELLs) with and without disabilities. Learner characteristics and second language development reviewed followed by practical techniques for teaching diverse second language learners across the curriculum.

ESP 771 - Perspectives on Early Childhood Special Education Credits 3
Perspectives of national, state, and local programs in special education for young children with disabilities. Reviews variables related to: program development, classroom management, parent involvement, legislation and funding, disability condition, identification, screening and assessment, learning and developmental problems, research, normal child development and developmental deviations.

ESP 772 - Family Education in Early Childhood Credits 3
Review family structure and interaction patterns, roles, expectations and conflicts; general and specific problems and needs of families; programs developed for family involvement and education; national, state and local program models, policy, regulations and evaluation. The course focuses on strategies and practice for engaging, empowering and collaborating with all families. Prerequisites: ESP 771 or admission into the M.Ed. Early Childhood Education program.

ESP 773 - Assessment for Young Children with Disabilities Credits 3
Focuses on subjective, objective, unstructured, and structured observations of young children with physical disabilities and disabilities of behavior, communication, learning, and development. Survey, review and critique of standardized and non-standardized tests as well as the use of test data in planning instruction. Prerequisites: ESP 771 or admission into the M.Ed. Early Childhood Education program.

ESP 774 - Seminar in Curriculum Development in Early Childhood Special Education Credits 3
Focuses on the identification of important components of early childhood education for young children with disabilities; critical evaluation for the suitability of various curriculum modes for various disabilities; critical evaluation of commercial materials; designing new curriculum models; and utilizing teacher-made materials Prerequisites: ESP 771

ESP 775 - Strategies for Early Childhood Special Education Credits 3
Focuses upon development of behavioral objectives, task analysis, and grouping and regrouping of children. Includes behavior modification, precision teaching, interaction analysis and microteaching procedures. Consideration of modifications of classroom physical and learning environments, reinforcement patterns, and questioning styles, etc. Prerequisites: ESP 771 or admission into the M.Ed. Early Childhood Education program.

ESP 776 - Strategies for Working with Infants and Toddlers in Early Childhood Special Education Credits 3
Focus is on research based practices, practical problems, and issues pertaining to the effectiveness of various interventions and strategies used with infants and toddlers (0-3) with special needs. Prerequisites: ESP 771

ESP 777 - Assistive Technology Strategies for Young Children Credits 3
Emphasizes the selection and implementation of assistive technology for young children with and without disabilities. Prerequisites: ESP 701 and ESP 748

ESP778-BehaviorManagementforEarlyChildhood Credits3
Provides a background in applied behavior analysis and positive behavior support, with a focus on the application of behavior support for young children and their families. Future service providers receive important knowledge and skills for implementing positive, preventive and function-based interventions in school, home and community environment Prerequisites: ESP 771

ESP 779 - Early Intervention Service Coordination Credits 3
Provides content related to staffing patterns in programs for young children with disabilities; organization and implementation of training to meet identified needs of varied paraprofessionals and professionals; supervisory and consultive roles; and budget and fiscal matters. Prerequisites: ESP 771 or consent of instructor.

ESP 780 - Field Experience in Early Childhood Special Education - Infancy Credits 3 or 6
Intensive 15-week full- or part-time early intervention experience with high risk children and infants with disabilities and their families. Experience includes working with children below age three years in individual and small group activities, planning and implementing Individual Family Service Plans, and exploring community resources. Prerequisites: Consent of instructor.

ESP 781 - Field Experience in Early Childhood Special Education - Preschool/Kindergarten Credits 8
Intensive 15-week full- or part-time supervised teaching experience with young children with disabilities and their families. Experience includes working with children three to six years of age in individual, small and large group activities, planning and implementing Individualized Program Plans, and exploring community resources. Prerequisites: Consent of instructor.

ESP 782R - Professional Seminar in Special Education Credits 3
Perceptions of exceptionality by a variety of interdisciplinary personnel. Prerequisites: Doctoral status or consent of instructor.

ESP 783R - Leadership Seminar in Special Education Credits 3
Teaches and empowers participants to become highly effective leaders in the field of special education. Current leadership paradigms and their application to a variety of professional roles in special education explored Prerequisites: ESP 782R

ESP 784 - Seminar in Advanced Special Education Technology Credits 3
In-depth analysis concerning the impact of technology on persons with disabilities. Includes analysis and synthesis of research, local, state, and national policies and initiatives; resource allocations; funding issues; and the use of technology in higher education special education. Prerequisites: ESP 782R

ESP 785 - Issues, Trends and Futures in Special Education Credits 3
Concepts and techniques which facilitates students' abilities in issue analysis, issue resolution, trend impact analysis, and futures formulations. The latter includes evaluations of possibilities, probabilities, and preferences in creating the future. Prerequisites: ESP 782R

ESP 786 - Legal and Political Issues in Special Education Programming Credits 3
Analysis of federal, state, and local statutes, policies and titles which affect the funding and direction of programs for exceptional

children. Impact of special education from social, political, and economic perspectives.

ESP 787 - Philosophical Perspectives in Special Education Credits 3

Emphasis on the sociocultural, epistemological, teleological, and ethical implications of special education programs. Prerequisites: ESP 782R

ESP 788 - Single Subject Methods in Special Education Credits 3

Overview of methods for evaluating the effectiveness of individual educational interventions and curricula for students with disabilities. Factors which determine when and under what conditions it is appropriate to employ different assessment strategies. Prerequisites: ESP 782R and EPY 721; and EPY 722 or KIN 751 or consent of instructor

ESP 789 - Grant Writing for Human Services Credits 3

History and pragmatics of grant proposal writing, management, and evaluation for federal, state and philanthropic support of research, demonstration programs, and personnel preparation in special education and related services. Prerequisites: ESP 782R

ESP 791 - Proposal Design and Analysis Credits 3

Formative and summative research considerations and applications, with emphasis upon practitioner-relevant proposal development, research design, and interpretive critical analyses. Prerequisites: ESP 782R, EPY 721, ESP 788, ESP 794, and EPY 722 or KIN 751 or consent of instructor.

ESP 793 - Advanced Field Experience in Special Education Credits 3 – 6

Field-relevant applications of administrative diagnostic-prescriptive and research content to practical working situations. Prerequisites: Consent of instructor.

ESP 794 - Internship in Special Education Credits 3 – 6

Structured internship experiences related to (a) conducting research within the field of special education and/or early childhood education, (b) teaching university courses within the Department of Special Education, or (c) the administration of special education and/or early childhood programs. Prerequisites: ESP 782R, EPY 721, ESP 788, and EPY 722 or KIN 751 or consent of instructor.

ESP794B-Internship in Special Education Teaching Credits 3

Structured internship experiences related to teaching university courses within the Department of Special Education. Prerequisites: ESP 782R, ESP 785 or consent of instructor.

ESP 796 - Dissertation Prospectus Credits 3

Development of appropriate field-relevant topics as a preface to dissertation writing. Prerequisites: ESP 782R, EPY 721, KIN 751, ESP 791, ESP 788

ESP 798 - Professional Paper in Special Education Credits 2

ESP 799 - Dissertation Credits 3 – 12

Practitioner-relevant thesis covering significant special educational topics, with appropriate applications of demonstration, research and/or model formation. Notes: 3-12 credits in increments of three. Prerequisites: ESP 796

TESL 750 - TESL Linguistic Theory Credits 3

General linguistics for the TESL teacher and classroom, focusing on the nature of language, English phonology, syntax, semantics, and language change; introduction to psycholinguistics and sociolinguistics. Formerly TESL 650

TESL 751 - Theory and Practice for Academic English Language Development Credits 3

Presents a broad survey of first- second-language acquisition research. Stresses theoretical concerns and research findings with an overview of program approaches and models of instruction. Gives special emphasis to the English language structure and the relationship between language and culture. Formerly TESL 651

TESL 752 - Methods and Curriculum for Teaching ELs Credits 3

Emphasizes evidence-based practices and strategies related to planning, implementing, and managing standards-based EL content instruction and curriculum. Formerly TESL 652. Prerequisites: TESL 750 and TESL 751

TESL 753 - TESL Curriculum Credits 3

Principles of curriculum organization, development and adaptation of TESL curriculum. Formerly TESL 653. Prerequisites: TESL 750 and TESL 751

TESL 754 - Assessment and Evaluation of ELs Credits 3

Emphasizes the knowledge and use of a variety of standards-based English language proficiency instruments utilized with English learners. Stresses the use of assessment instruments for identification, placement and demonstration of language growth. Gives special emphasis to the analysis and application of performance-based assessment tools and techniques to inform instruction. Formerly TESL 654. Prerequisites: TESL 752 and TESL 753

TESL755-LanguageAcquisitionandDevelopment Credits 3

Explores the nature of children's language acquisition, emphasizing normal development. Incorporates the application of current research to teaching strategies. Formerly TESL 655. Prerequisites: TESL 752 and TESL 753

TESL 756 - Technology Assisted English Language Learning Credits 3

Application software for ESL learning, including evaluation of software. Formerly TESL 656. Prerequisites: TESL 754 and TESL 755

TESL 757 - Policies, Critical Issues, and Best Practices for Pre-K,Elementary,andSecondaryELsPracticum Credits1-9

Supervised field experience in an ESL setting with application of TESL methods, materials, and assessment procedures. Formerly TESL 657. Notes: May be repeated to a maximum of nine credits. Prerequisites: TESL 754 and TESL 755

TESL 758 - Cultural and Linguistic Diversity (CLD) Program Leadership Credits 3

Development of leadership competencies and knowledge for teachers who are preparing to serve in leadership roles (school, district, etc.) to support culturally and linguistically diverse learners (English Language Learners). Grading Letter grade. Prerequisites: Graduate standing

TESL 759 - Policies, Critical Issues, and Best Practices for Pre-K,Elementary,andSecondaryELsSeminar Credits1-3

Examination of seminal and current English language acquisition research through readings, writings, discussions and presentations. Formerly TESL 659. Notes: May be repeated to a maximum of three credits. Prerequisites: 15 graduate credits of ELA coursework.

TESL 760 - Foundations in Education in Cultural and Linguistic Diversity (CLD) Credits 3

Foundational knowledge about the history, theoretical foundations, and practices of educational programs involving culturally and linguistically diverse learners. Grading Letter grade. Prerequisites: Graduate standing

TESL 770 - TESL Culminating Experience Credits 1-3
TESL Culminating Experience Prerequisites: 33 Graduate credits.

TESL 772 - Individual Instruction in Teaching English as a Second Language Credits 1-9
Individual study in the analysis, synthesis, evaluation, and application or learning of issues and selected topics in teaching English as a second language. Notes: Maximum of 9 credits toward degree. Must be approved prior to registration.

TESL 782 - Writing Theories and Second Language Learners Credits 3
Theories of writing as they relate specifically to second language learners with research applications. Grading Letter grade. Prerequisites: ESP 782R

TESL 783 - Research in Writing Across the Content Areas for Second Language Learners Credits 3
Application of research on second language learner writing in the content areas Grading Letter grade Prerequisites: TESL 782.

TESL 784 - Theory and Research in Effective Professional Development Practices for PK-12 Teachers of ELLs Credits 3
Explores theories in adult learning and models of change as underpinnings including research design for professional development for teachers of English language learners. Examines and critiques research designs, variable variations, instrumentation, and analytic methods in professional development research. Grading Letter grade. Prerequisites TESL 752 , ESP 782R

TESL 785 - Translating Academic Language Research into Practice Credits 3
Explores the mechanisms and barriers in translating academic language research for English learners into instructional practice--through professional development, teaching, and publications. Grading Letter grade. Prerequisites: TESL 784

TESLR 651 - Theories of Second Language Credits 3
Current philosophies and approaches to second language acquisition and instruction; attention to sociocultural influences.

TESLR 652 - TESL Methods and Materials Credits 3
Methods and materials for teaching English as a second language (ESL). Design, implement, prepare, and evaluate ESL materials. Prerequisites: TESL 751.

TESLR 653 - TESL Curriculum Credits 3
Principles of curriculum organization, development, and adaptation of TESL curriculum. Prerequisites: TESL 752 or concurrent enrollment, consent of instructor.

TESLR 654 - TESL Assessment Procedures Credits 3
Assessment of ESL students; selection of appropriate ESL assessment instruments, their administration, scoring, and interpretation. Prerequisites: TESL 752 or concurrent enrollment, consent of instructor

Educational Psychology and Higher Education

The Department of Educational Psychology & Higher Education provides instruction in, and the delivery of innovative research, to inform the educational process

from early childhood through higher education. Our mission is accomplished through:

Preparing graduates for leadership positions in diverse settings and roles, including faculty in colleges and universities, student services in higher education, measurement and evaluation specialists in public and private settings, school psychology practitioners at local, state, national, and international levels, and licensed administrators for PK-12 schools.

Providing foundational support for programs across the university including core content in the psychology of learning, motivation, cognition, problem solving, instruction, human development, and psychological and educational measurement, statistics, evaluation, and research methodology.

Investigating educational policy and informing practice in PK-12 and higher education institutions.

Alice J. Corkill, Chair

Nancy Lough, Graduate Coordinator

Dana Bickmore, Graduate Coordinator

Maria Roberts, Graduate Coordinator

Educational Psychology and Higher Education Faculty

Chair

Corkill, Alice Jane - Full Graduate Faculty
Associate Professor; B.A., M.A., Ph.D.,
University of Nebraska. Rebel since 1992.

Graduate Coordinator

Bickmore, Dana L. - Full Graduate Faculty
Associate Professor; B.A., M.A., University of Utah;
Ph.D., University of Georgia. Rebel since 2015.

Lough, Nancy L. - Full Graduate Faculty
Professor: B.A., Adams State College; M.Ed.,
Stephen F. Austin State University; Ed.D., University
of Northern Colorado. Rebel since 2006.

Graduate Faculty

Bendixen, Lisa - Full Graduate Faculty
Associate Professor; B.A., Creighton University; M.A.,
Ph.D., University of Nebraska-Lincoln. Rebel since 1999.

Garza, Tiberio - Associate Graduate Faculty
Assistant Professor; B.A., M.Ed., Ph.D., Texas
A&M University. Rebel since 2015.

Gonzales, Miguel

Assistant Professor: B.A., University of California,
Santa Barbara; M.A.T., Chapman University; Ed.D.,
University of Southern California. Rebel since 2018.

Kardash, CarolAnne M. - Full Graduate Faculty
Professor; B.A., Le Moyne College; M.S., College of St.
Rose; Ph.D., Arizona State University. Rebel since 2001.

Marianno, Bradley - Full Graduate Faculty
Assistant Professor; B.A., M.S. Brigham
Young University; M.A., Ph.D., University of
Southern California. Rebel since 2018.

McCafferty, Steven - Full Graduate Faculty
Professor; B.A., California State University;
M.A., University of Hawaii; Ph.D., University
of New Mexico. Rebel since 1995.

Nathanson, Rebecca - Full Graduate Faculty
Associate Professor; B.A., University of California, Los Angeles; M.A., Ph.D., University of California, Santa Barbara. Rebel since 2000.

Ngo, Federick
Assistant Professor; B.A., M.A., Stanford University; M.A., Ph.D. University of Southern California. Rebel since 2018.

Nussbaum, E. Michael - Full Graduate Faculty
Professor; B.A., Pitzer College; M.P.P., University of California, Berkeley; Ph.D., Stanford University. Rebel since 1999.

Olafson, Lori - Full Graduate Faculty
Professor; B.A., University of Saskatchewan; B.Ed., M.A., Ph.D., University of Calgary. Rebel since 1999.

Perera, Harsha N. - Full Graduate Faculty
Assistant Professor; B.Ed., University of Sydney; Ph.D., University of Technology, Sydney. Rebel since 2016.

Putney, LeAnn G. - Full Graduate Faculty
Professor; B.A., Indiana State University; M.S., California State University; Ph.D., University of California, Santa Barbara. Rebel since 1997.

Relles, Stefani - Full Graduate Faculty
Assistant Professor; B.A., Northwestern University; M.Ed., University of New Hampshire; Ph.D., University of Southern California. Rebel since 2013.

Rincón, Blanca
Assistant Professor; B.A., University of California, Irvine; M.Ed., Ph.D., University of Illinois, Urbana-Champaign. Rebel since 2018.

Roberts, Maria
Associate Professor; B.S., University of Texas, Pan American; M.Ed., University of Texas, Brownsville; Ed.D., University of Texas, Austin. Rebel since 2018.

Rosser, Vicki J. - Full Graduate Faculty
Professor; B.A., University of Hawai'i, West O'ahu; M.Ed., Ph.D., University of Hawai'i, Manoa. Rebel since 2006.

Skousen, Jacob D.
Assistant Professor; B.A., M.Ed., M.A., Ed.D, Boise State University. Rebel since 2019.

Slife, Nathan M. - Associate Graduate Faculty
Assistant Faculty in Residence; B.A., University of Nevada, Las Vegas, M.A., University of Maryland, College Park, Ph.D., University of Nevada, Las Vegas. Rebel since 2015.

Watson, Doris L. - Full Graduate Faculty
Professor; B.A., Adams State College; M.S., Colorado State University; M.A., Adams State College; Ph.D., University of New Mexico. Rebel since 2005.

Directors of the Center for Research, Evaluation, and Assessment

Marchand, Gwen - Full Graduate Faculty
Associate Professor; B.A., Rockhurst University; M.S., Ph.D., Portland State University. Rebel since 2008.

Plans

Graduate Certificate in Higher Education

Graduate Certificate in Chief Diversity Officer in Higher Education

Graduate Certificate in College Sport Leadership

Graduate Certificate in Program Evaluation and Assessment

Master of Science - Educational Psychology

Master of Education - Higher Education

Master of Education - Educational Policy and Leadership

Doctor of Education - Executive Educational Leadership

Doctor of Philosophy - Educational Psychology

Doctor of Philosophy - Higher Education

Doctor of Philosophy - Learning Sciences

Dual Degree: Doctor of Philosophy - Educational Psychology & Juris Doctor

Dual Degree: Doctor of Philosophy - Higher Education & Juris Doctor

Graduate Certificate in Higher Education

Plan Description

The graduate certificate in Higher Education targets full or part-time graduate students who may not have studied higher education through any formal degree program but wish to develop a deeper understanding of higher education. In particular doctoral students enrolled in other disciplines who plan to enter the academy as tenure track faculty members, as well as current administrative professionals who already possess a master's degree and have evidence of a minimum of two years administrative or teaching experience (or equivalent) preferable but not required, may also benefit from this experience. Hours earned for the certificate may be applied to a degree program in higher education at the doctoral level. Hours earned in the masters or doctorate programs in higher education may NOT be used toward the certificate.

For more information about your program, including your graduate program handbook and learning outcomes, please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

A qualified student, who wishes to enter UNLV to obtain the graduate certificate in higher education without being enrolled in a degree program, may apply for graduate admission to the Graduate College via the Grad Rebel Gateway. All minimum Graduate College requirements MUST be met. Once accepted to UNLV, students must also complete and submit the Graduate Certificate in Higher Education application.

Doctoral level students who are admitted to and pursuing other disciplines are eligible for the certificate program in higher education. Students must complete and submit the Graduate Certificate in Higher Education application and upload their statement of interest.

Enrollment may be limited based on class size. Students must earn a B or better in all courses. Certificates will be awarded upon the student's

successful completion of the certificate requirements. Application may be submitted at any time during an academic term. Accepted students can begin taking classes the follow term of acceptance

All applicants must review and follow the Graduate College Admission and Registration Requirements.

Students are accepted into a certificate program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

Total Credits Required: 15

Course Requirements

Core – Credits: 12

Complete 12 hours from the following courses:

- EDH 607 - Leadership Development Seminar
- EDH 609 - Leading Diverse Organizations
- EDH 727 - College Students in the United States
- EDH 708 - The American Community College
- EDH 709 - Seminar in the Economics of Higher Education
- EDH 711 - Marketing Higher Education and College Sport
- EDH 714 - Understanding Minority Serving Institutions
- EDH 723 - Women in Higher Education
- EDH 730 - Institutional Assessment
- EDH 742 - Academic Governance in Higher Education
- EDH 750 - Special Topics in Higher Education

Electives Course – Credits: 3

Complete a minimum of 3 hours from the following courses:

- EDH 603 - Introduction to College Sport
- EDH 626 - College Student Personnel Services
- EDH 705 - HE Law-Doctoral
- EDH 710 - Finance and Budgeting in Higher Education
- EDH 750 - Special Topics in Higher Education
- EDH 780 - Seminar: Teaching in Higher Education

Certificate Requirements

The student must complete a minimum of 15 credit hours with a minimum GPA of 3.00.

Plan Certificate Completion Requirements

The student must submit all required forms to the Graduate College and then apply for graduation in MyUNLV by the appropriate deadline.

Graduate Certificate in Chief Diversity Officer in Higher Education

Plan Description

The Graduate Certificate in Chief Diversity Officer in Higher Education (CDOHE) targets full- or part-time graduate students who seek professional preparation commensurate with the Standards of Professional Practice for Chief Diversity Officers (CDO) established by the National Association of Diversity Officers in Higher Education (NADOHE) in 2014. Hours earned in a degree program in either higher education or multicultural education cannot be used for the graduate certificate in CDOHE. The nature of the certificate allows students to tailor their course work based on their professional goals.

For more information about your program, including your graduate program handbook and learning outcomes, please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

Qualified students must apply for admission to the Graduate College via the online application. All minimum Graduate College requirements MUST be met. Once accepted to UNLV, students must also complete and submit the Graduate Certificate in CDOHE application materials.

Graduate degree-seeking students who are admitted to and pursuing degrees in other disciplines (outside higher education and multicultural education) are eligible to apply for the graduate certificate in CDOHE.

All applicants must review and follow the Graduate College Admission and Registration Requirements.

Students are accepted into a certificate program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

Total Credits Required: 18

Course Requirements

Required Courses – Credits: 9

Complete the following courses:

- CME 705 - Multicultural Education
- EDH 705 - HE Law-Doctoral
- EDH 742 - Academic Governance in Higher Education

Core Course – Credits: 3

Complete one of the following courses:

- CME 720 - International and Comparative Studies in Education

- CME 710 - Cultural Studies in Education
- CIG 773 - Critical Literacies/Critical Pedagogies

Multicultural Education Elective Course – Credits: 3

Complete one of the following courses:

- CME 725 - Current Topics in Multicultural Education
- CME 745 - Theory and Research in Multicultural Education

Higher Education Elective Course – Credits: 3

Complete one of the following courses:

- EDH 727 - College Students in the United States
- EDH 714 - Understanding Minority Serving Institutions
- EDH 738 - Public Policy in Higher and Post-Secondary Education

Certificate Requirements

Accepted students must earn a B or better in all courses.

Plan Certificate Completion Requirements

The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.

Graduate Certificate in College Sport Leadership

Plan Description

The Graduate Certificate in College Sport Leadership targets full or part-time graduate students who may not have studied intercollegiate athletic / college sport leadership (specific to higher education) through any formal degree program but wish to develop a deeper understanding of college sport leadership and career options available in the field of intercollegiate athletics. Current graduate students and administrative professionals who already possess an undergraduate degree and have an interest in intercollegiate athletics / college sport leadership, may benefit from this experience. Hours earned for the certificate may be applied to the degree program in Higher Education at the masters or doctoral levels upon formal admission to the program. Hours earned in the masters or doctorate programs in Higher Education may NOT be used toward the certificate.

For more information about your program, including your graduate program handbook and learning outcomes, please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

CERTIFICATE SEEKING

- A qualified student, who wishes to enter UNLV to obtain the Graduate Certificate in College Sport Leadership without being enrolled in a degree program, may apply for graduate admission to the Graduate College via the Grad Rebel Gateway. All minimum Graduate College requirements MUST be met. Once accepted to UNLV, students must also complete and submit the Graduate Certificate in College Sport Leadership application.

DEGREE SEEKING

- Doctoral and masters level students who are admitted to and pursuing other disciplines are eligible for the certificate program in college sport leadership. Students must complete and submit an application through the Grad Rebel Gateway along with the Graduate Certificate in College Sport Leadership application materials. Enrollment may be limited based on class size. Applications may be submitted at any time during an academic term. Accepted students can begin taking classes the term following acceptance.

All applicants must review and follow the Graduate College Admission and Registration Requirements.

Students are accepted into a certificate program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

Total Credits Required: 15

Course Requirements

Required Courses – Credits: 6

- EDH 603 - Introduction to College Sport
- EDH 606 - Intercollegiate Athletic Administration

Electives – Credits: 6

Complete a minimum of 6 credits from the following list of courses:

- EDH 609 - Leading Diverse Organizations
- EDH 727 - College Students in the United States
- EDH 703 - History of American Higher Education
- EDH 711 - Marketing Higher Education and College Sport
- EDH 719 - Institutional Advancement

Internship Course – Credits: 3

- EDH 690 - Masters Internship

Certificate Requirements

Completion of a minimum of 15 credit hours, including 3 hours of internship in an intercollegiate athletic department as a culminating experience.

Students must earn a B or better in all courses.

Plan Certificate Completion Requirements

1. Certificates will be awarded upon the student's successful completion of all certificate requirements.
2. The student must submit all required forms to the Graduate College and then apply for graduation in MyUNLV by the appropriate deadline.

Graduate Certificate in Program Evaluation and Assessment

Plan Description

The Graduate Certificate in Program Evaluation and Assessment targets both part-time and full-time graduate students who wish to develop specialized knowledge of the practice and application of evaluation in urban settings.

Students may earn this degree totally online.

This program is particularly relevant to individuals who may need to plan and conduct evaluations in their workplace. The 15-credit certificate program is geared toward those who need to produce evaluation and incorporate evaluation results into decision making and program planning. Hours earned for the certificate may be applied to a degree program in educational psychology or higher education at the masters or doctoral levels. Hours earned in the masters or doctorate programs in educational psychology or higher education may NOT be used toward the certificate.

For more information about your program, including your graduate program handbook and learning outcomes, please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

Enrollment may be limited based on class size.

Applications may be submitted at any time during an academic term. Accepted students can begin taking classes the following term of acceptance.

NON-DEGREE-SEEKING

- A qualified student, who wishes to enter UNLV to obtain the graduate certificate in Program Evaluation and Assessment without being enrolled in a degree program, may apply for graduate admission to the Graduate College via the Grad Rebel Gateway system. All minimum Graduate College requirements MUST be met. Once accepted to UNLV, students must also complete and submit the Graduate Certificate in Program Evaluation and Assessment application.

DEGREE SEEKING

- Doctoral and masters level students who are

admitted to and pursuing other disciplines are eligible for the certificate program in Program Evaluation and Assessment. Students must complete and submit the Graduate Certificate in Program Evaluation and Assessment application.

Students are accepted into a certificate program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

Total Credits: 15

Course Requirements

Methods Core - Credits: 6

- EPY 702 - Research Methods

OR

- EDH 707 - Designing & Critiquing Research In Education
- EPY 721 - Descriptive and Inferential Statistics: An Introduction

OR

- EPY 718 - Qualitative Research Methodologies

Required Evaluation Core - Credits: 6

- EPY 716 - Evaluation Research Methods
- EPY 726 - Advanced Evaluation Research Methods

Electives - Credits: 3

Complete a minimum of 3 hours from the listed courses, or an elective approved by the program director.

- EPY 709 - Classroom Assessment
- EPY 710 - Survey Methods and Design
- EPY 723 - Psychometrics I
- EPY 729 - Qualitative Case Study Research
- EDH 714 - Understanding Minority Serving Institutions
- EDH 738 - Public Policy in Higher and Post-Secondary Education
- EDH 739 - Organization Change & Innovation in Higher Education

Certificate Requirements

Completion of 15 credit hours. No formal culminating experience.

Plan Certificate Completion Requirements

Students must earn a B or better in all courses. Certificates will be awarded upon the student's successful completion of the certificate requirements.

Master of Science - Educational Psychology

Plan Description

The Master of Science - Educational Psychology is appropriate for students seeking the core knowledge, research tools, and educational experiences necessary to succeed in various educational settings. The program is appropriate for elementary, secondary, and special education teachers who wish to enhance classroom skills; students interested in pursuing advanced studies in educational psychology; as well as students who plan to apply their skills in government or business settings. Students' individualized programs are tailored with attention to their area of specialization.

For more information about your program including your graduate program handbook and learning outcomes please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

Admission to graduate studies at UNLV requires a bachelor's degree from an accredited four-year college or university with either a minimum grade point average of 2.75 overall or a 3.00 in the last two years of undergraduate work. Master's degree programs require that an application for admission be submitted to the Graduate College, as well as transcripts from all colleges and universities attended.

Admission to the Master of Science degree program in Educational Psychology is based on the following criteria:

1. Department application
2. Preference given to students whose scores relate to the 50th percentile or better on the verbal and quantitative sections of the Graduate Record Examination (GRE)
3. Three letters of recommendation
4. One writing sample
5. Transcripts from all colleges and universities attended
6. Graduate College application is available online

All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

See Subplan Requirements below.

Subplan 1 Requirements: Thesis Track

Total Credits Required: 33

Course Requirements

Learning and Development Courses – Credits: 6

- EPY 711 - Human Growth and Development
- EPY 712 - Foundations of Learning and Cognition

Research Courses – Credits: 9

- EPY 702 - Research Methods
- EPY 721 - Descriptive and Inferential Statistics: An Introduction
- EPY 723 - Psychometrics I

Elective Courses – Credits: 12

Students must complete a minimum 12 credit hours of advisor-approved electives.

Thesis – Credits: 6

- EPY 749 - Thesis

Degree Requirements

1. A minimum of 33 credits is required for the degree. Students must maintain a grade point average of 3.00 or better in the program and a grade of B or better in core course work.
2. The culminating experience for the M.S. degree is the defense of the students' master's thesis.
3. Students who choose to complete a thesis will select a Graduate Faculty member to serve as chair. The chair and the student will select the other committee members. Each committee must have three members. Committee members must be named by the time the student submits their Program of Study to the Graduate College. The student must defend a thesis proposal before data to be used in the thesis are collected. The committee will meet and determine whether to accept or reject the proposal. A proposal can be accepted provisionally given that the student follows the committee's suggestions for revision. Upon completion of the thesis, an oral defense will be scheduled. This defense will be scheduled and conducted in accordance with the Graduate College's policies for thesis and dissertation completion.

Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation from both degrees up to two semesters prior to completing his/her degree requirements.
2. The student must submit and successfully defend his/her thesis by the posted deadline. The defense must be advertised and is open to the public.
3. After the thesis defense, the student must electronically submit a properly formatted pdf copy of their thesis to the Graduate College for format check. Once the thesis format has been approved by the Graduate College, the student will submit the

approved electronic version to ProQuest. Deadlines for thesis defenses, format check submissions, and the final ProQuest submission can be found here.

Subplan 2 Requirements: Non-Thesis Track

Total Credits Required: 33

Course Requirements

Learning and Development Courses – Credits: 6

- EPY 711 - Human Growth and Development
- EPY 712 - Foundations of Learning and Cognition

Research Courses – Credits: 9

- EPY 702 - Research Methods
- EPY 721 - Descriptive and Inferential Statistics: An Introduction
- EPY 723 - Psychometrics I

Elective Courses – Credits: 15

Students must complete a minimum of 15 credit hours of electives.

Culminating Experience - Credits: 3

- EPY 748 - Capstone Seminar

Degree Requirements

1. A minimum of 33 credits is required for the degree. Students must maintain a grade point average of 3.00 or better in the program and a grade of B or better in core course work.
2. The culminating experience for the M.S. degree is the completion of a written comprehensive examination.
3. The comprehensive exam is comprised of questions reflective of the core areas (learning and development, research and measurement), and the specialty. All students who take the comprehensive exam in a given semester will respond to items from a set selected for that semester. In consultation with the Comprehensive Examination Evaluation Committee, the student's adviser/committee chair will create an additional item to reflect the student's elective courses/specialty. A department Comprehensive Examination Evaluation Committee will evaluate the responses for each examinee. Each student's adviser/committee chair will also evaluate his/her student's responses to the selected items.

Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation from both degrees up to two semesters prior to completing his/her degree requirements.
2. The student must successfully complete a culminating experience.

Plan Graduation Requirements

Refer to your subplan for Graduation Requirements.

Master of Education - Higher Education

Plan Description

The Master of Education – Higher Education is designed to prepare graduates to serve in administrative capacities within the university, community college, and for-profit settings, with an emphasis on student affairs, intercollegiate athletics, and higher education organization.

For more information about your program, including your graduate program handbook and learning outcomes, please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

1. A bachelor's degree from an accredited college or university
2. A completed application and official copies of all college transcripts
3. Two letters of professional/academic recommendation
4. Submission of an official copy of the Graduate Record Examination (GRE) taken within the last 5 years.
5. A minimum GPA of 2.75 for all undergraduate work or a 3.00 for the last two years of undergraduate work
6. Evidence of a minimum of two years satisfactory teaching or administrative experience (or equivalent) preferred but not required
7. Statement of Interest
8. Indication of interest in a graduate assistantship, when applicable

All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

Total Credits Required: 37

Course Requirements

Required Courses – Credits: 12

- EDH 607 - Leadership Development Seminar
- EDH 609 - Leading Diverse Organizations
- EDH 727 - College Students in the United States
- EDH 703 - History of American Higher Education

Core Research Course – Credits: 3

- EPY 702 - Research Methods

Additional Research Course – Credits: 3

Select one of the following:

- EPY 718 - Qualitative Research Methodologies
- EPY 721 - Descriptive and Inferential Statistics: An Introduction
- EDH 730 - Institutional Assessment
- Internship – Credits: 3
- EDH 690 - Masters Internship

Elective Courses - Credits: 15

Complete 15 credits of advisor-approved elective course work. Courses may be selected from but are not limited to, the following three emphasis areas.

Student Affairs Emphasis

- EDH 626 - College Student Personnel Services
- EDH 714 - Understanding Minority Serving Institutions
- EPY 711 - Human Growth and Development
- Intercollegiate Athletics Emphasis
- EDH 603 - Introduction to College Sport
- EDH 606 - Intercollegiate Athletic Administration
- EDH 711 - Marketing Higher Education and College Sport

Administrative Leadership Emphasis

- EDH 708 - The American Community College
- EDH 742 - Academic Governance in Higher Education
- EDH 750 - Special Topics in Higher Education

Capstone Course – Credits: 1

- EDH 610 - Master's Capstone Experience

Degree Requirements

1. The student must complete a minimum of 37 credit hours with a minimum GPA of 3.00.
2. All courses in the program must be at the 600-level or above, with 50% at the 700-level.
3. The Master of Education (M.Ed.) – Higher Education is a non-thesis program, which requires the successful completion of a capstone project taken during the final semester.

Plan Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation from both degrees up to two semesters prior to completing his/her degree requirements.

2. The student must successfully complete the capstone course.

Master of Education - Educational Policy and Leadership

Plan Description

The primary purpose of the Educational Policy and Leadership program is to prepare educational leaders for leadership and administrative roles in K-12 schools in response to 21st century challenges. This program will encourage systematic research-based practices and evidence-based decision making, particularly focused on urban populations, and guided by state and national educational standards.

For more information about your program, including your graduate program handbook and learning outcomes, please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

1. An earned bachelor's degree in an acceptable field of undergraduate study;
2. A GPA of at least 2.75 overall or 3.00 in the last 60 semester hours of undergraduate study;
3. At least 3 years of professional experience

Individuals seeking a Nevada endorsement as an administrator of a school must hold a valid elementary, middle school/junior high, or secondary or special teaching license.

In addition to the application and transcripts required by the Graduate College, applicants must submit the following documents to the program uploaded as part of the online application:

1. Score Report from Graduate Record Examination (GRE) or Graduate Management Admissions Test (GMAT). GRE is preferred.
2. Two letters of recommendation (one must be from current principal or district supervisor).
3. A resume indicating educational and professional experience.
4. Leadership statement.
5. Summary of leadership experiences.
6. Statement of support from applicant's current principal or district supervisor.
7. A valid elementary, middle school/junior high, or secondary or special teaching license.

All applicants will be interviewed as part of the application process.

All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

Total Credits Required: 36

Course Requirements

Required Courses - Credits: 14

- EPL 720 - Introduction to Leadership and Organizations
- EPL 737 - Systematic Professional Development and Instructional Supervision
- EPL 751 - Educational Law & Policy: Student Issues
- EPL 753 - Human and Fiscal Resource Management
- EPL 755 - Law for Exceptional Students
- EPL 757 - Education Law and Public Policy: Teacher/ Staff Evaluation
- EPL 758 - Financial Entrepreneurship & Educational Innovation

Research Core Courses – Credits: 6

- EPL 722 - Educational Research Methods
- EPL 735 - Leadership for School Improvement
- Elective Courses – Credits: 8
- EPL 700 - Special Topics
- EPL 731 - Leadership in a Digital Age
- EPL 732 - School and Community Leadership
- EPL 740 - Educational Systems
- Internship and Capstone Courses – Credits: 8
- EPL 742 - Leadership Field Experience
- EPL 780 - Capstone Seminar: Educational Leadership

Degree Requirements

Students must complete 36 credit hours of approved coursework:

Students will meet with an academic advisor and complete a formal degree plan.

Students must obtain a 3.0 GPA in order to graduate. A student can have no more than one grade less than B-.

Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.

2. The student must successfully complete a culminating project.

Doctor of Education - Executive Educational Leadership

Plan Description

The Doctor of Education - Executive Educational Leadership degree focuses on novel creative solutions to current and future educational challenges as it develops the knowledge and skills of mid-career public school leaders for their current and future leadership positions. This program utilizes a problem-based learning approach that consists of a series of compressed thematic seminars in which emphasis is placed on identifying and developing advanced solutions to real-life professional problems. Additionally, this program incorporates interaction between students and faculty to determine the precise content and problems of practice that will be pursued under each broadly defined theme.

For more information about your program, including your graduate program handbook and learning outcomes please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

1. A master's degree from an accredited program in educational leadership or an area closely related
2. Official copies of all college transcripts
3. Three letters of reference
4. Satisfactory composite scores on the Graduate Record Examination (GRE)
5. Employment records verifying a minimum of three years professional experience in leadership position equivalent to Principal or above (Final determination to be made by department faculty)
6. Letter of Interest
7. Resume or Vita
8. Written statement of leadership philosophy
9. Proof of writing ability (as demonstrated in response to writing prompt in application)
10. Successful interview with program faculty (all applicant will be interviewed face-to-face)

All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described

programs are subject to change at any time.

Plan Requirements

Total Credits Required: 60

Course Requirements

Summer Semester 1st Year Courses - Credits: 4

Students must take all of the following:

- EDA 700 - Special Problems in Educational Administration
- EDA 707 - Critique of Research in the Administrative Process

Fall Semester 1st Year Courses - Credits: 6

Students must take all of the following:

- EDA 773 - Seminar: Constructs of Theory in Educational Administration
- EDA 771F - Research

Spring Semester 1st Year Courses - Credits: 6

Students must take all of the following:

- EDA 700 - Special Problems in Educational Administration
- EDA 727 - Qualitative Research Methods I for Practicing Administrators

Summer Semester 2nd Year Courses - Credits: 7

Students must take all of the following:

- EDA 700 - Special Problems in Educational Administration
- EDA 725 - Quantitative Research Methods I for Practicing Administrators
- EDA 788 - Independent Study in the Doctoral Program

Fall Semester 2nd Year Courses - Credits: 6

Students must take all of the following:

- EDA 700 - Special Problems in Educational Administration
- EDA 726 - Quantitative Research Methods II for Practicing Administrators

Spring Semester 2nd Year Courses - Credits: 6

Students must take all of the following:

- EDA 771G Seminar in Educational Leadership
- EDA 771A Seminar in Educational Leadership

Summer Semester 3rd Year Courses - Credits: 7

Students must take all of the following:

- EDA 700 - Special Problems in Educational Administration
- EDA 708 Seminar in Educational Leadership
 - EDA 788 - Independent Study in the Doctoral Program

Fall Semester 3rd Year Courses - Credits: 3

Students must take all of the following:

- EDA 706 - Selected Problems in Educational Administration

Spring Semester 3rd Year Courses - Credits: 15

Students must take all of the following:

- EDA 796 - Prospectus for Dissertation
- EDA 799 - Dissertation

Degree Requirements

Students must complete a minimum of 60 credit hours of approved course work with a minimum GPA of 3.00.

Plan Graduation Requirements

The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.

The student must submit and successfully defend his/her dissertation by the posted deadline. The defense must be advertised and is open to the public.

After the dissertation defense, the student must electronically submit a properly formatted pdf copy of their dissertation to the Graduate College for format check. Once the dissertation format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for dissertation defenses, format check submissions, and the final ProQuest submission can be found here.

Doctor of Philosophy - Educational Psychology

Plan Description

The Educational Psychology Ph.D. is designed to provide advanced studies in educational psychology with three primary strands: 1) Educational Psychology Foundations with specialty area emphases in educational assessment, program evaluation, research, and learning in school and related domains, 2) Post-Bachelors Educational Psychology Foundations, and 3) Assessment and Quantitative Analysis in Education (AQUA in Education). This program will provide opportunities for students to become independent scholars who are able to make significant contributions to knowledge in specialized areas of educational psychology where both regional and national need for trained professionals has been identified.

The three strands in the program focus on the outcomes and processes that promote more effective learning in school based and related applications. Students in subplan 1-4 will take core courses in: 1) research methods and statistics, 2) learning and cognition, and 3) advanced studies in a domain of school curriculum. Students in subplan 5 focus more on research methods and statistics,

and choose among the other courses. All students will be actively involved in research and research-related activities throughout their program of study. Students in the Post-Bachelor Foundation strand will be eligible to earn a Master of Science in Educational Psychology. The program will prepare students for a variety of professional careers related to teaching, research, and professional practice in both academic and nonacademic settings. For example, students will be prepared to fill faculty, research, or assessment positions at academic institutions, such as universities, community colleges, and K-12 school districts.

Representative occupations include educational psychologist, program evaluator, educational assessment coordinator, and employee training specialist.

For more information about your program, including your graduate program handbook and learning outcomes, please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

Admission to the Foundations Post-Master's, School Psychology, School Counselor, and the AQUA in Ed Tracks will be limited to the most qualified applicants based on a combination of the following:

- An undergraduate grade point average of 3.00 or above.
- If graduate course work has been completed, a graduate grade point average of 3.00 or above.
- Preference given to scores that relate to the 50th percentile or better on the verbal and quantitative sections of the Graduate Record Examination (GRE).
- A score of 600 or above on the Test of English as a Foreign Language (TOEFL) is also required for students who do not speak English as their language.
- Three letters of reference from university faculty or other individuals qualified to judge the applicant's academic potential.
- The applicant's statement of professional interests and goals.
- A scholarly or professional writing sample.

Graduate College application is available online. Applications for admission will be considered once a year. The deadline for the receipt of applications is February.

Foundations Post-Master's Track: Students must have a master's equivalent degree to be considered for admission. **AQUA in Ed Post-Master's Track:** Students must have a master's equivalent degree to be considered for admission.

School Psychology Track:

Students must have a bachelor's degree. Many students

admitted for this strand have completed their Ed.S. from a NASP-approved program, or its equivalent, as evidence of the knowledge base of a professional school psychologist. Students without this foundation are considered for admission with understanding that their programs of study will include content from our Ed.S. program.

School Counselor Track:

Students must have a master's degree in a school counseling program accredited by the Council for Accreditation of Counseling and Related Educational Programs (CACREP) or must have completed the substantial equivalent of such program. Students with degrees in other counseling specialties will be considered for admission with the understanding that additional course work will be required as part of their doctoral programs.

Admission to the Foundations Post-Bachelor's Track will be limited to the most qualified applicants who also aim to pursue a research program based on a combination of the following:

- An undergraduate grade-point average of 3.25 or above.
- If graduate coursework has been completed, a graduate, grade-point average of 3.25 or above.
- Students must score at or above the 50th percentile on the verbal and quantitative sections of the Graduate Record Examination (GRE).
- A score of 600 or above on the Test of English as a Foreign Language (TOEFL) is also required for students who do not speak English as their first language.
- Three letters of reference from university faculty or other individuals qualified to judge the applicant's academic potential.
- The applicant must submit a statement of professional interests and goals which explicitly indicates both a potential area of research and names a faculty mentor.

All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

See Subplan Requirements Below.

Subplan 1: Foundations Post-Master's Track

Subplan 2: Foundations Post-Bachelor's Track

Subplan 3: School Psychology Track (ON HOLD)

Subplan 4: School Counselor Track (ON HOLD)

Subplan 5: Assessment and Quantitative Analysis in Education Post-Master's Track

Subplan 1 Requirements: Foundations Post-Master's Track

Total Credits Required: 66

Course Requirements

Research Methods Courses – Credits: 15

- EDH 707 - Designing & Critiquing Research In Education
- EPY 718 - Qualitative Research Methodologies
- EPY 722 - Inferential Statistics and Experimental Design
- EPY 723 - Psychometrics I
- EPY 730 - Advanced Research Methods

Learning Theory Courses – Credits: 12

- EPY 751 - Motivation Theories and Applications in Education
- EPY 752 - Self-Regulated Learning, Metacognition, and Motivation
- EPY 767 - Human Learning and Cognition
- EPY 777 - Cognitive Development

Advanced Research Methods Courses – Credits: 12

- EPY 719 - Advanced Qualitative Research
- EPY 732 - Multiple Regression
- EPY 733 - Multivariate Statistics
- EPY 734 - Structural Equation Modeling

Emphasis Area Courses – Credits: 15

Complete 15 credits of advisor-approved coursework within a disciplinary content area of emphasis.

Dissertation – Credits: 12

- EPY 799 - Dissertation

Degree Requirements

Student must successfully complete a minimum of 66 credit hours while maintaining a grade point average of 3.00 or better in the program and a grade of B or better in core course work.

In consultation with his/her advisor, a student will organize a dissertation committee of at least three departmental members. In addition, a fourth member from outside the department, known as the Graduate College Representative, must be appointed. An additional committee member may be added at the student and department's discretion. Please see Graduate College policy for committee appointment guidelines.

Specific specialization courses in the assessment, program evaluation, research, and learning in school

domains strands are determined by the student in consultation with her or his committee.

Each student, in consultation with advisor and doctoral committee, selects an individual emphasis area and determines the specific courses to be completed.

Each student must satisfy a scholarly paper requirement by the time he or she has completed 36 credits (Review I). The student must be the first author on a manuscript submitted to a journal of quartile 2 or higher (SCIMAGO listing) that is distributed for peer review. Empirical or review manuscripts are acceptable. This requirement is considered complete when the manuscript is assigned a number by the editor of the journal to which it was submitted. Projects must be approved by a supervising faculty member. Once completed, students must submit to the program coordinator(s): (a) a copy of the manuscript, (b) a submission acknowledgment (including assigned manuscript number), and (c) a completed Review I form from the supervising faculty member.

Each student must take the preliminary examination (Review II). This second formal assessment, typically completed during the last semester of formal classwork, is an examination that will focus on areas of knowledge that are most relevant to the student's proposed dissertation topic. The student and his/her committee will determine the content of this examination format in that it will focus on in-depth reading and writing directly related to the student's proposed dissertation topic as well as on the student's mastery of previously learned core information.

After successfully completing Review I (i.e., satisfying the scholarly product requirement) and Review II (i.e., passing the preliminary examination), students can then submit a formal dissertation proposal to their doctoral committee and submit the accompanying "Dissertation Prospectus" form to the Graduate College. The doctoral committee will meet and determine whether to accept or reject the prospectus. A prospectus can be accepted provisionally given that the student follows the committee's suggestions in the dissertation. Upon completion of the full dissertation, a defense will be scheduled. This defense will be scheduled and conducted in accordance with the Graduate College's policies for thesis and dissertation completion. It is the student's responsibility to file the required "Notification of Oral or Written Examination" form with the Graduate College in a timely manner.

Graduation Requirements

The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.

The student must submit and successfully defend his/her dissertation by the posted deadline. The defense must be advertised and is open to the public.

After the dissertation defense, the student must electronically submit a properly formatted pdf copy of their dissertation to the Graduate College for format

check. Once the dissertation format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for dissertation defenses, format check submissions, and the final ProQuest submission can be found here.

*Subplan 2 Requirements: Foundations
Post-Bachelor's Track*

Total Credits Required: 99

Course Requirements

Learning and Development Courses – Credits: 6

- EPY 711 - Human Growth and Development
- EPY 712 - Foundations of Learning and Cognition
-

Research Courses – Credits: 9

- EPY 702 - Research Methods
- EPY 721 - Descriptive and Inferential Statistics: An Introduction
- EPY 723 - Psychometrics I

Elective Courses – Credits: 12

Students must complete a minimum 12 credit hours of advisor-approved electives.

Thesis – Credits: 6

- EPY 749 - Thesis

After successfully completing the requirements above, students are eligible to earn the Master of Science - Educational Psychology.

Research Methods Courses – Credits: 12

- EDH 707 - Designing & Critiquing Research In Education
- EPY 718 - Qualitative Research Methodologies
- EPY 722 - Inferential Statistics and Experimental Design
- EPY 730 - Advanced Research Methods

Learning Theory Courses – Credits: 12

- EPY 751 - Motivation Theories and Applications in Education
- EPY 752 - Self-Regulated Learning, Metacognition, and Motivation
- EPY 767 - Human Learning and Cognition
- EPY 777 - Cognitive Development
- Advanced Research Methods Courses – Credits: 12
- EPY 719 - Advanced Qualitative Research
- EPY 732 - Multiple Regression
- EPY 733 - Multivariate Statistics

- EPY 734 - Structural Equation Modeling

Emphasis Area Courses – Credits: 18

Complete 18 credits of advisor-approved coursework within a disciplinary content area of emphasis.

Dissertation – Credits: 12

- EPY 799 - Dissertation

Degree Requirements

Student must successfully complete a minimum of 99 credit hours while maintaining a grade point average of 3.00 or better in the program and a grade of B or better in core course work.

In consultation with his/her advisor, a student will organize a thesis committee of at least three departmental members. In addition, a fourth member from outside the department, known as the Graduate College Representative, must be appointed. An additional committee member may be added at the student and department's discretion. Please see Graduate College policy for committee appointment guidelines.

In consultation with his/her advisor, a student will organize a dissertation committee of at least three departmental members. In addition, a fourth member from outside the department, known as the Graduate College Representative, must be appointed. An additional committee member may be added at the student and department's discretion. Please see Graduate College policy for committee appointment guidelines.

Each student, in consultation with advisor and doctoral committee, selects an individual emphasis area and determines the specific courses to be completed.

Each student must satisfy a scholarly paper requirement by the time he or she has completed 36 credits beyond the MS degree credits (Review I). The student must be the first author on a manuscript submitted to a journal of quartile 2 or higher (SCIMAGO listing) that is distributed for peer review. Empirical or review manuscripts are acceptable. This requirement is considered complete when the manuscript is assigned a number by the editor of the journal to which it was submitted. Projects must be approved by a supervising faculty member. Once completed, students must submit to the program coordinator(s): (a) a copy of the paper, (b) a submission acknowledgment (including assigned manuscript number), and (c) a completed Review I form from the supervising faculty member.

Each student must take the preliminary examination (Review II). This second formal assessment, typically completed during the last semester of formal classwork, is an examination that will focus on areas of knowledge that are most relevant to the student's proposed dissertation topic. The student and his/her committee will determine the content of this examination format in that it will focus on in-depth reading and writing directly related to the

student's proposed dissertation topic as well as on the student's mastery of previously learned core information.

After successfully completing Review I (i.e., satisfying the scholarly product requirement) and Review II (i.e., passing the preliminary examination), students can then submit a formal dissertation proposal to their doctoral committee and submit the accompanying "Dissertation Prospectus" form to the Graduate College. The doctoral committee will meet and determine whether to accept or reject the prospectus. A prospectus can be accepted provisionally given that the student follows the committee's suggestions in the dissertation. Upon completion of the full dissertation, a defense will be scheduled. This defense will be scheduled and conducted in accordance with the Graduate College's policies for thesis and dissertation completion. It is the student's responsibility to file the required "Notification of Oral or Written Examination" form with the Graduate College in a timely manner.

Graduation Requirements

The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.

The student must submit and successfully defend his/her thesis after 27 credits of initial coursework and a minimum of 6 credits of thesis coursework to be completed by the posted deadline to be eligible to earn the Master of Science - Educational Psychology. The defense must be advertised and is open to the public

After the thesis defense, the student must electronically submit a properly formatted pdf copy of their thesis to the Graduate College for format check. Once the thesis format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for thesis defenses, format check submissions, and the final ProQuest submission can be found here.

The student must submit and successfully defend his/her dissertation after a minimum of 84 credits of initial coursework and a minimum of 12 credits of dissertation coursework and have it completed by the posted deadline to be eligible to earn the Doctor of Philosophy - Educational Psychology. The defense must be advertised and is open to the public

After the dissertation defense, the student must electronically submit a properly formatted pdf copy of their dissertation to the Graduate College for format check. Once the dissertation format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for dissertation defenses, format check submissions, and the final ProQuest submission can be found here.

Subplan 3 Requirements: School Psychology Track (ON HOLD)

Total Credits Required: 67

Course Requirements

Proseminar Course – Credits: 1

- EPY 701 - Proseminar in Educational Psychology

Research Methods Courses – Credits: 12

- EPY 718 - Qualitative Research Methodologies
- EPY 722 - Inferential Statistics and Experimental Design
- EPY 723 - Psychometrics I
- EPY 730 - Advanced Research Methods

Additional Research Methods Course – Credits: 3

Complete one of the following courses:

- EPY 716 - Evaluation Research Methods
- EPY 719 - Advanced Qualitative Research
- EPY 724 - Psychometrics II
- EPY 733 - Multivariate Statistics
- EPY 787 - Individual Research

Learning Theory Courses – Credits: 9

- EPY 757 - Theory and Philosophy of Educational Psychology
- EPY 767 - Human Learning and Cognition
- EPY 777 - Cognitive Development

Specialization Courses – Credits: 18

Complete 18 credits of advisor-approved coursework within your specified research area of focus.

Emphasis Area Courses – Credits: 12

Complete 12 credits of advisor-approved coursework within a disciplinary content area of emphasis.

Dissertation – Credits: 12

- EPY 799 - Dissertation

Degree Requirements

Student must successfully complete a minimum of 67 credit hours while maintaining a grade point average of 3.00 or better in the program and a grade of B or better in core course work.

Of the 67 credits, 18 must be in coursework tailored for the area of focus in the strand.

Of the 67 credits, 25 are in courses shared with other doctoral programs in the department.

In consultation with his/her advisor, a student will organize a dissertation committee of at least three departmental members. In addition, a fourth member from outside the department, known as the Graduate College Representative, must be appointed. An additional committee member may be added at the student and

department's discretion. Please see Graduate College policy for committee appointment guidelines.

Specific specialization courses in the assessment, program evaluation, research, and learning in school domains strands are determined by the student in consultation with her or his committee.

In addition to the required specialization courses, each student, in consultation with advisor and doctoral committee, selects an individual emphasis area and determines the specific courses to be completed.

Each student must satisfy a scholarly paper requirement by the time he or she has completed 36 credits (Review I). The student must be primarily responsible for carrying out and reporting a study under the supervision of a program faculty member. The requirement may be fulfilled in one of two ways. First, the study may involve the collection and analysis of some empirical data (for example, a pilot study) resulting in a scholarly paper that is submitted to either a professional journal or as a proposal to an annual conference of a national organization. Second, the paper may consist of a literature review that is submitted for publication in a quality, peer-reviewed journal or submitted for presentation at a national conference. Prior to beginning, projects must be approved by a supervising faculty member. Once completed, students must submit to the program coordinator(s): (a) a copy of the paper, (b) a submission acknowledgment, and (c) a completed Review I form from the supervising faculty member.

Each student must take the preliminary examination (Review II). This second formal assessment, typically completed during the last semester of formal classwork, is an examination that will focus on areas of knowledge that are most relevant to the student's proposed dissertation topic. The student and his/her committee will determine the content of this examination format in that it will focus on in-depth reading and writing directly related to the student's proposed dissertation topic as well as on the student's mastery of previously learned core information.

After successfully completing Review I (i.e., satisfying the scholarly product requirement) and Review II (i.e., passing the preliminary examination), students can then submit a formal dissertation proposal to their doctoral committee and submit the accompanying "Dissertation Prospectus" form to the Graduate College. The doctoral committee will meet and determine whether to accept or reject the prospectus. A prospectus can be accepted provisionally given that the student follows the committee's suggestions in the dissertation. Upon completion of the full dissertation, a defense will be scheduled. This defense will be scheduled and conducted in accordance with the Graduate College's policies for thesis and dissertation completion. It is the student's responsibility to file the required "Notification of Oral or Written Examination" form with the Graduate College in a timely manner.

Graduation Requirements

The student must submit all required forms to the Graduate

College and then apply for graduation up to two semesters prior to completing his/her degree requirements.

The student must submit and successfully defend his/her dissertation by the posted deadline. The defense must be advertised and is open to the public.

After the dissertation defense, the student must electronically submit a properly formatted pdf copy of their dissertation to the Graduate College for format check. Once the dissertation format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for dissertation defenses, format check submissions, and the final ProQuest submission can be found here.

Subplan 4 Requirements: School Counselor Track (ON HOLD)

Total Credits Required: 67

Course Requirements

Proseminar Course - Credits: 1

- EPY 701 - Proseminar in Educational Psychology

Research Methods Courses – Credits: 12

- EPY 718 - Qualitative Research Methodologies
- EPY 722 - Inferential Statistics and Experimental Design
- EPY 723 - Psychometrics I
- EPY 730 - Advanced Research Methods

Additional Research Methods Course – Credits: 3

Complete one of the following courses:

- EPY 716 - Evaluation Research Methods
- EPY 719 - Advanced Qualitative Research
- EPY 724 - Psychometrics II
- EPY 733 - Multivariate Statistics
- EPY 787 - Individual Research

Learning Theory Courses – Credits: 9

- EPY 757 - Theory and Philosophy of Educational Psychology
- EPY 767 - Human Learning and Cognition
- EPY 777 - Cognitive Development

Specialization Courses – Credits: 18

Complete 18 credits of advisor-approved coursework within your specified research area of focus.

Emphasis Area Courses – Credits: 12

Complete 12 credits of advisor-approved coursework within a disciplinary content area of emphasis.

Dissertation – Credits: 12 credits

- EPY 799 - Dissertation

Degree Requirements

Student must successfully complete a minimum of 67 credit hours while maintaining a grade point average of 3.00 or better in the program and a grade of B or better in core course work.

Of the 67 credits, 18 must be in coursework tailored for the area of focus in the strand.

Of the 67 credits, 25 are in courses shared with other doctoral programs in the department.

In consultation with his/her advisor, a student will organize a dissertation committee of at least three departmental members. In addition, a fourth member from outside the department, known as the Graduate College Representative, must be appointed. An additional committee member may be added at the student and department's discretion. Please see Graduate College policy for committee appointment guidelines.

Specific specialization courses in the assessment, program evaluation, research, and learning in school domains strands are determined by the student in consultation with her or his committee.

In addition to the required specialization courses, each student, in consultation with advisor and doctoral committee, selects an individual emphasis area and determines the specific courses to be completed.

Each student must satisfy a scholarly paper requirement by the time he or she has completed 36 credits (Review I). The student must be primarily responsible for carrying out and reporting a study under the supervision of a program faculty member. The requirement may be fulfilled in one of two ways. First, the study may involve the collection and analysis of some empirical data (for example, a pilot study) resulting in a scholarly paper that is submitted to either a professional journal or as a proposal to an annual conference of a national organization. Second, the paper may consist of a literature review that is submitted for publication in a quality, peer-reviewed journal or submitted for presentation at a national conference. Prior to beginning, projects must be approved by a supervising faculty member. Once completed, students must submit to the program coordinator(s): (a) a copy of the paper, (b) a submission acknowledgment, and (c) a completed Review I form from the supervising faculty member.

Each student must take the preliminary examination (Review II). This second formal assessment, typically completed during the last semester of formal classwork, is an examination that will focus on areas of knowledge that are most relevant to the student's proposed dissertation topic. The student and his/her committee will determine the content of this examination format in that it will focus on in-depth reading and writing directly related to the student's proposed dissertation topic as well as on the student's mastery of previously learned core information.

After successfully completing Review I (i.e., satisfying the scholarly product requirement) and Review II (i.e.,

passing the preliminary examination), students can then submit a formal dissertation proposal to their doctoral committee and submit the accompanying "Dissertation Prospectus" form to the Graduate College. The doctoral committee will meet and determine whether to accept or reject the prospectus. A prospectus can be accepted provisionally given that the student follows the committee's suggestions in the dissertation. Upon completion of the full dissertation, a defense will be scheduled. This defense will be scheduled and conducted in accordance with the Graduate College's policies for thesis and dissertation completion. It is the student's responsibility to file the required "Notification of Oral or Written Examination" form with the Graduate College in a timely manner.

Graduation Requirements

The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.

The student must submit and successfully defend his/her dissertation by the posted deadline. The defense must be advertised and is open to the public.

After the dissertation defense, the student must electronically submit a properly formatted pdf copy of their dissertation to the Graduate College for format check. Once the dissertation format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for dissertation defenses, format check submissions, and the final ProQuest submission can be found here.

Subplan 5 Requirements: Assessment and Quantitative Analysis in Education - AQUA (Post-Masters)

Total Credits Required: 66

Course Requirements

Educational Psychology Core - Credits 9

- EPY 711 - Human Growth and Development
- EPY 712 - Foundations of Learning and Cognition
- EPY 751 - Motivation Theories and Applications in Education

Quantitative Research Methods - Credits 30

Complete 30 credits from the following list of courses, or other courses approved by program coordinator and course instructor:

- EDH 707 - Designing & Critiquing Research In Education
- EPY 702 - Research Methods
- EPY 716 - Evaluation Research Methods
- EPY 721 - Descriptive and Inferential Statistics: An Introduction
- EPY 723 - Psychometrics I
- EPY 724 - Psychometrics II

- EPY 722 - Inferential Statistics and Experimental Design
- EPY 730 - Advanced Research Methods
- EPY 732 - Multiple Regression
- EPY 733 - Multivariate Statistics
- EPY 734 - Structural Equation Modeling
- EPY 787 - Individual Research

Electives - Credits 15

Complete 15 credits from the following list of courses, or other courses approved by program coordinator and course instructor:

- EPY 718 - Qualitative Research Methodologies
- EPY 719 - Advanced Qualitative Research
- EPY 752 - Self-Regulated Learning, Metacognition, and Motivation
- EPY 767 - Human Learning and Cognition
- EPY 777 - Cognitive Development
- EPY 787 - Individual Research

Dissertation- Credits 12

- EPY 799 - Dissertation

Degree Requirements

Student must successfully complete a minimum of 66 credit hours while maintaining a grade point average of 3.00 or better in the program and a grade of B or better in core course work.

In consultation with the advisor, a student will organize a dissertation committee of at least three departmental members. In addition, a fourth member from outside the department, known as the Graduate College Representative, must be appointed. An additional committee member may be added at the student and department's discretion. Please see Graduate College policy for committee appointment guidelines.

Specific specialization courses in quantitative research methods and electives are determined by the student in consultation with the dissertation committee.

Each student, in consultation with advisor and doctoral committee, selects an individual emphasis area and determines the specific courses to be completed.

Each student must satisfy a scholarly paper requirement by the time he or she has completed 36 credits (Review I). The student must be the first author on a manuscript submitted to a journal of quartile 2 or higher (SCIMAGO listing) that is distributed for peer review. Empirical, review, or theoretical manuscripts are acceptable. This requirement is considered complete when the manuscript is assigned a number by the editor of the journal to which it was submitted. Projects must be approved by a supervising faculty member. Once completed, students must submit to

the program coordinator(s): (a) a copy of the manuscript , (b) a submission acknowledgment (including assigned manuscript number), and (c) a completed Review I form from the supervising faculty member

.Each student must take the preliminary examination (Review II). This second formal assessment, typically completed during the last semester of formal classwork, is an examination that will focus on areas of knowledge that are most relevant to the student's proposed dissertation topic. The student and the student's committee will determine the content of this examination format in that it will focus on in-depth reading and writing directly related to the student's proposed dissertation topic as well as on the student's mastery of previously learned core information.

After successfully completing Review I (i.e., satisfying the scholarly product requirement) and Review II (i.e., passing the preliminary examination), students can then submit a formal dissertation proposal to their doctoral committee and submit the accompanying "Dissertation Prospectus" form to the Graduate College. The doctoral committee will meet and determine whether to accept or reject the prospectus. A prospectus can be accepted provisionally given that the student follows the committee's suggestions in the dissertation. Upon completion of the full dissertation, a defense will be scheduled. This defense will be scheduled and conducted in accordance with the Graduate College's policies for thesis and dissertation completion. It is the student's responsibility to file the required "Notification of Oral or Written Examination" form with the Graduate College in a timely manner.

Graduation Requirements

The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.

The student must submit and successfully defend his/her dissertation by the posted deadline. The defense must be advertised and is open to the public.

After the dissertation defense, the student must electronically submit a properly formatted pdf copy of their dissertation to the Graduate College for format check. Once the dissertation format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for dissertation defenses, format check submissions, and the final ProQuest submission can be found here.

Doctor of Philosophy - Higher Education

Plan Description

The Doctor of Philosophy – Higher Education is grounded in the concept that successful higher educational leaders

must be well-informed and context sensitive professionals who make theory based, research supported, and data-driven decisions.

The primary objectives of the program are to:

Prepare students for administrative positions in community colleges, four year colleges, universities, and other public and private learning and policy environments;

Prepare individuals for faculty positions in higher education; and

Assist doctoral students in the development of skills in assessment and evaluation, research design, and quantitative and qualitative methodologies appropriate for leadership roles as faculty or administrators in higher and postsecondary education.

Students can elect to specialize in any of four emphasis areas: university and community college leadership; higher education policy; intercollegiate athletic leadership; and student affairs leadership.

For more information about your program, including your graduate program handbook and learning outcomes, please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

Entrance to the Ph.D. program requires candidates to complete three steps.

1. Minimum admission requirements for UNLV's Graduate College include: Completed application for admission and the nonrefundable application fee.

More information is available on the Graduate College website.

2. Additional materials each candidate must also upload with the application:

- Personal Statement of Professional Aspirations and research interests;
- A professional resumé or vita;
- Verification of experience in higher education or related field;
- Scores from the Graduate Record Exam (GRE), or the Law School Admissions Test (LSAT) for the JD/PhD. Score should be no more than five years old;
- Two letters of academic recommendation/professional reference;
- Evidence of writing ability; specific instructions available during application process.

3. After reviewing all materials, a select number of candidates will be invited for an interview with department faculty. The interview enables candidates to demonstrate their oral communication

skills, commitment to continuing professional development, and to show their leadership, learning, and educational philosophy. Final admission will be based on evaluation of all application materials, including the interview.

For specific information on the Department Educational Psychology & Higher Education's Higher Education Ph.D. programs, please visit the website. Applicants interested in receiving a graduate assistantship must complete the Graduate Assistantship Application found on the Graduate College website. Potential students should also inform the program or doctoral admissions coordinator of their interest in the program.

All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

Total Credits Required: 66

Course Requirements

Required Core Courses – Credits: 15

- EDH 703 - History of American Higher Education
- EDH 709 - Seminar in the Economics of Higher Education

or

- EDH 710 - Finance and Budgeting in Higher Education
- EDH 715 - Theory of Educational Organizations
- EDH 738 - Public Policy in Higher and Post-Secondary Education

- EDH 705 - HE Law-Doctoral

or

- EDH 742 - Academic Governance in Higher Education
- Required Research Courses – Credits: 12

- EDH 707 - Designing & Critiquing Research In Education

- EPY 716 - Evaluation Research Methods

or

- EDH 730 - Institutional Assessment
- EPY 718 - Qualitative Research Methodologies
- EPY 722 - Inferential Statistics and Experimental Design

Research Elective Courses – Credits: 6

Complete two of the following courses in consultation with your program of study chair.

- EPY 719 - Advanced Qualitative Research
- EPY 729 - Qualitative Case Study Research
- EPY 732 - Multiple Regression
- EPY 733 - Multivariate Statistics

Specialization Courses – Credits: 15

Complete 15 credits from the following courses or others in consultation with your program of study chair.

- EDH 711 - Marketing Higher Education and College Sport
- EDH 712 - Title IX and Gender Equity
- EDH 713 - Sport Governance & Policy
- EDH 714 - Understanding Minority Serving Institutions
- EDH 719 - Institutional Advancement
- EDH 732 - Readings in Administration of Higher Education
- EDH 737 - Ethical Dimensions of Higher Education Leadership
- EDH 739 - Organization Change & Innovation in Higher Education
- EDH 740 - Comparative and International Higher Education
- EDH 750 - Special Topics in Higher Education
- EDH 780 - Seminar: Teaching in Higher Education
- EDH 791 - Doctoral Independent Study

Internship Course – Credits: 3

- EDH 790 - Doctoral Internship

Prospectus Course – Credits: 3

- EDH 796 - Dissertation Proposal Preparation

Dissertation – Credits: 12

- EDH 799 - Dissertation

Degree Requirements

1. Students must complete a minimum of 66 credit hours of approved course work with a minimum GPA of 3.00.
2. Students without a background in statistics may take EPY 721 – Descriptive/Inferential Statistics, but the course will not count as credits toward the doctoral program.
3. In consultation with their advisor, a student will organize a dissertation committee of at least three departmental members. In addition, a fourth member from outside the department, known as the Graduate College Representative, must be appointed. An additional committee member may be added at the student and department's discretion. Please see Graduate College policy for committee appointment

guidelines.

4. The doctoral comprehensive examination consists of two parts: A core examination and an individualized examination.

- Part I: Core Examination:

- The core examination is offered twice a year (usually September and February).
- Students should take this examination as early in their programs as possible.
- Students are eligible to take the Comprehensive Examinations if they have passed all core courses with a "B-" or better.
- No student with anything less than a "B-" in any Examination.
- A core course may be repeated, allowing the student an opportunity to earn a "B-" or better.
- To be eligible to take this examination, students must have completed the required core courses, the required research courses, and the methodology course.
- Each section of the comprehensive examination is taken over a two or three week period.
 - Section One: Covers research design. It draws heavily on EDH 707 and the research core. Students are encouraged to integrate information from other methods courses into their answers. Information about this question is provided to students prior to the examination.
 - Section Two: Affords student the opportunity to integrate basic historical, organizational, financial/economic, policy, and governance/legal perspectives into a discussion of their dissertation topic. Faculty members will meet with students prior to distributing this question to talk about specific, appropriate core areas that may be addressed in this section of the exam.

- The evaluation rubric is available for download from the department website. Students who do not pass a section of the comprehensive exams meet with their current advisor to discuss options and potential remedies.

- Part II: Individualized Examination:

- The purpose of the individualized examination is to help students fill in gaps in their knowledge base and to help them move forward into the dissertation stage of the program.

5. All students are required to engage in an internship experience. Each internship is an individually designed, semester-long experience that can be repeated for credit for up to a maximum of 6 hours.

Ordinarily, the internship is completed after the student has successfully passed the core comprehensive examination. There are three types of internships for doctoral students: Administrative, Teaching, and Research:

- Administrative internships enable students to apply theory to practice. Internship placements are available in a variety of professional settings including UNLV, the College of Southern Nevada, Nevada State College, the Nevada System of Higher Education administrative departments, as well as in neighboring institutions of higher education and government policy and business environments. These are challenging experiences in which students are expected to make meaningful contributions that advance the goals of the host site.
 - Teaching internships are done under the supervision of a faculty member. Doctoral teaching assistants may team with a faculty member in a Master's course or teach undergraduate courses.
 - Research internships are usually done with the student's doctoral chair. These internships allow students to team with a faculty member on a research-based project, which may entail design, data collection, analysis, or writing.
6. Students must complete the residency requirement. Residency requirements are met following the completion of 42 credit hours, the comprehensive examinations, and by completing these outcomes:
- Completion of remaining course work, including research courses and electives.
 - Combination of doctoral internships and/or independent studies, as advised by student's doctoral advisor.
 - Successful completion of EDH 790 – Doctoral Internship and EDH 796 –Dissertation Proposal Preparation.
 - Encouraged to complete a national presentation and/or a manuscript submitted for publication consideration.
 - Students may use three credits of dissertation hours (EDH 799) towards their residency.
7. Residency requirements and successful completion of the comprehensive exams must be fulfilled prior to the dissertation proposal defense. Students must review an outcomes checklist with their advisors prior to the proposal defense to verify completion of residency. Upon completion of residency students should have 9 to 12 dissertation credits remaining in the program of study.

Plan Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up

to two semesters prior to completing their degree requirements.

2. The student must submit and successfully defend their dissertation by the posted deadline. The defense must be advertised and is open to the public.
3. After the dissertation defense, the student must electronically submit a properly formatted pdf copy of their dissertation to the Graduate College for format check. Once the dissertation format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for dissertation defenses, format check submissions, and the final ProQuest submission can be found here.

Doctor of Philosophy - Learning Sciences

Plan Description

The Learning Sciences Ph.D. is an academic program with an emphasis on the design and evaluation of learning environments, including but not limited to technology-rich environments. Students take core courses in: 1) the learning sciences, 2) research methods and statistics, and 3) advanced studies in a specialization area. The specialization areas are: (a) learning technology, (b) educational data science and statistics, (c) learning policy and organizational change, and (d) cognitive and developmental sciences. All students will be actively involved in research and research-related activities throughout their program of study. Students in the Post-Bachelor Learning Sciences strand will be eligible to earn a Master of Science in Educational Psychology.

The program will prepare students for a variety of professional careers related to teaching and learning in both academic and nonacademic settings. Graduates of the program will be prepared for a variety of professional positions (e.g., university and community college faculty, curriculum specialists, learning and technology specialists, employee training specialists, program evaluators, and instructional technology coordinators).

For more information about your program, including your graduate program handbook and learning outcomes, please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

Admission to the Post-Master's Track will be limited to the most qualified applicants based on a combination of the following:

1. An undergraduate grade point average of 3.00 or

above.

2. If graduate course work has been completed, a graduate grade point average of 3.00 or above.
3. Preference given to students whose scores relate to the 50th percentile or better on the verbal and quantitative sections of the Graduate Record Examination (GRE).
4. Students who do not speak English as their first language must meet the TOEFL requirements set by the Graduate College
5. Three letters of reference from university faculty or other individuals qualified to judge the applicant's academic potential.
6. The applicant's statement of professional interests and goals.
7. A scholarly or professional writing sample.
8. Students must have a master's degree to be considered for admission.
9. Graduate College application is available online.

Admission to the Post-Bachelor's Track will be limited to the most qualified applicants based on a combination of the following:

1. An undergraduate grade point average of 3.25 or above.
2. If graduate course work has been completed, a graduate grade point average of 3.25 or above.
3. Preference given to students whose scores relate to the 50th percentile or better on the verbal and quantitative sections of the Graduate Record Examination (GRE).
4. A score of 600 or above on the Test of English as a Foreign Language (TOEFL) is also required for students who do not speak English as their first language.
5. Three letters of reference from university faculty or other individuals qualified to judge the applicant's academic potential.
6. The applicant's statement of professional interests and goals.
7. Students must have a bachelor's degree to be considered for admission.
8. Graduate College application is available online.

All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

Subplan 1 Requirements: Post-Master's Track

Total Credits: 69

Course Requirements

Proseminar Course - Credits: 3

- EDH 707 - Designing & Critiquing Research In Education

Learning Sciences Core – Credits: 15

- EPY 690 - Introduction to the Learning Sciences
- EPY 717 - Analysis of Applied Learning Principles and Educational Media
- EPY 767 - Human Learning and Cognition
- EPY 770 - Cognition and Instruction
- CIT 778 - Instructional Design

Core Research Courses – Credits: 15

- EPY 718 - Qualitative Research Methodologies
- EPY 722 - Inferential Statistics and Experimental Design
- EPY 723 - Psychometrics I
- EPY 730 - Advanced Research Methods
- EPY 732 - Multiple Regression

Additional Research Courses – Credits: 6

Complete two of the following courses:

- EPY 716 - Evaluation Research Methods
- EPY 719 - Advanced Qualitative Research
- EPY 724 - Psychometrics II
- EPY 726 - Advanced Evaluation Research Methods
- EPY 729 - Qualitative Case Study Research
- EPY 731 - Mixed Methods Research
- EPY 733 - Multivariate Statistics
- EPY 734 - Structural Equation Modeling
- EPY 738 - Discourse Analysis
- EPY 745 - Categorical/Nonparametric Data Analysis
- EPY 746 - Multilevel Statistical Models: Theory and Application

Specialization Courses – Credits: 9

Complete 9 credits of advisor-approved coursework within one of the following specialization areas: (a) Learning Technologies, (b) Educational Data Science and Statistics, (c) Learning Policy and Organizational Change, or (d) Cognitive and Developmental Sciences.

Illustrative learning technology courses include, but are

not limited to:

- CS 620 - Human-Computer Interaction
- CIT 770 - Foundations in Technology & Learning
- CIT 773 - Interaction Design
- CIT 774 - Behavioral Sciences & Technology
- CIT 775 - Affect & Technology
- CIT 776 - Emerging Technologies for Learning
- CIT 780 - Educational Technology Research and Practice
- CS 641 - Advanced Internet Programming
- CS 641L - Advanced Internet Programming Lab
- CS 651L - Multimedia Systems Design Lab
- CS 680 - Computer Graphics
- MIS 746 - Information Systems Project Management
- MIS 764 - Technology and Innovation Management

Illustrative data science and statistics courses include, but are not limited to:

- EPY 734 - Structural Equation Modeling
- PSY 712 - Psychometrics
- ITE 651 - Managing Big Data and Web Databases
- MIS 776 - Business Intelligence

Illustrative learning policy and organizational change courses include, but are not limited to:

- EPL 732 - School and Community Leadership
- EPL 737 - Systematic Professional Development and Instructional Supervision
- EPY 742 - Language Diversity, Educational Policy & Equity
- EDH 738 - Public Policy in Higher and Post-Secondary Education
- EDH 739 - Organization Change & Innovation in Higher Education
- PSC 723 - Policy Analysis
- EPL 731 - Leadership in a Digital Age

Illustrative cognitive and developmental sciences courses include, but are not limited to:

- EPY 777 - Cognitive Development
- EPY 768 - Problem Solving and Reasoning
- PSY 721 - Developmental Science
- PSY 718 - Cognitive Science
- COM 781 - Seminar in Argumentation
- PHIL 634 - Philosophy Cognitive Science
- PHIL 640 - Theory of Knowledge

Elective Courses – Credits: 6

Student must take a minimum of 6 credit hours of advisor-approved elective courses that fall within any of the other program specialization areas or their own specialization courses.

Internship – Credits: 3

- EPY 794 - Internship
- (See Degree Requirement #4 below)

Dissertation – Credits: 12

- EPY 799 - Dissertation

Degree Requirements

1. Students must maintain a GPA of 3.00 or higher for all course work taken at the doctoral level, and a B or better in core courses.
2. Residence Credit Requirement: A minimum of 50 percent of the total credits required to complete the doctoral degree not including transferred and dissertation credits must be earned at UNLV after admission to the doctoral degree program.
3. Each student must satisfy a scholarly paper requirement by the time he or she has completed 36 credits (Review I). The student must be primarily responsible for carrying out and reporting a study under the supervision of a program faculty member. The requirement may be fulfilled in one of two ways. First, the study may involve the collection and analysis of some empirical data (for example, a pilot study) resulting in a scholarly paper that is submitted to either a professional journal or as a proposal to an annual conference of a national organization. Second, the paper may consist of a literature review that is submitted for publication in a quality, peer-reviewed journal or submitted for presentation at a national conference. Prior to beginning, projects must be approved by a supervising faculty member. Once completed, students must submit to the program coordinator: (a) a copy of the paper, (b) a submission acknowledgment, and (c) a completed Review I form from the supervising faculty member.
4. Students must complete a one-semester or summer internship (EPY 794) with an employer. The purpose of the internship is to provide students with real-world experience in designing, implementing, or evaluating a learning environment, so as to augment students' depth of knowledge and skills as Learning Scientists. The internship is also intended to enhance students' employability. The internship, which may be paid or unpaid, must be with an employer (for example, text book publisher, school district, U.S. military, hotel/casino, museum); these may include appropriate units at UNLV outside of academic departments. The internship may, however, also be part of an academic research partnership involving these entities. The student is responsible for securing an internship

opportunity. The internship may be completed at any point in the program prior to advancement to candidacy.

The internship must result in an academic research product (paper or report) that is partially or fully authored by the student. Proposals for internships that specify the employer, end product, and nature of the work must be approved by the student's advisor before the internship commences.

5. In consultation with his/her advisor, a student will organize a dissertation committee of at least three program members. In addition, a fourth member from outside the program, known as the Graduate College Representative, must be appointed. An additional committee member may be added at the student and department's discretion. The committee must be chaired by a program faculty member with a primary affiliation with the Department of Educational Psychology and Higher Education or co-chaired by such a faculty member and a program faculty member with a primary affiliation in another department. Please see Graduate College policy for committee appointment guidelines.
6. Students must successfully complete a preliminary examination. This formal assessment will focus on areas of knowledge that are most relevant to the student's dissertation topic. The student and his/her committee will determine the content of this examination. The student and his/her committee will determine the content of this examination format in that it will focus on in-depth reading and writing directly related to the student's proposed dissertation topic as well as on the student's mastery of previously learned core information.
7. After successfully completing Review I (i.e., satisfying the scholarly product requirement) and Review II (i.e., passing the preliminary examination), students can then submit a formal dissertation proposal to their doctoral committee and submit the accompanying "Dissertation Prospectus" form to the Graduate College. The doctoral committee will meet and determine whether to accept or reject the prospectus. A prospectus can be accepted provisionally given that the student follows the committee's suggestions in the dissertation.
8. The student must submit and successfully defend his/her dissertation after a minimum of 54 credits of initial coursework and a minimum of 12 credits of dissertation coursework and have it completed by the posted deadline to be eligible to earn the Doctor of Philosophy - Learning Sciences.

This defense will be scheduled and conducted in accordance with the Graduate College's policies for thesis and dissertation completion. It is the student's responsibility to file the required "Notification of Oral or Written Examination" form with the Graduate College in a timely manner.

Plan Graduation Requirements

The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.

The student must submit and successfully defend his/her dissertation by the posted deadline. The defense must be advertised and is open to the public.

After the dissertation defense, the student must electronically submit a properly formatted pdf copy of their dissertation to the Graduate College for format check. Once the dissertation format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for dissertation defenses, format check submissions, and the final ProQuest submission can be found here.

Subplan 2 Requirements: Post-Bachelor's Track

Total Credits: 99

Course Requirements

Learning and Development Courses - Credits: 6

- EPY 711 - Human Growth and Development
- EPY 712 - Foundations of Learning and Cognition

Research Courses - Credits: 9

- EPY 702 - Research Methods
- EPY 721 - Descriptive and Inferential Statistics: An Introduction
- EPY 723 - Psychometrics I

Elective Courses - Credits: 12

Students must complete a minimum of 12 credit hours of advisor-approved electives.

Thesis - Credits: 6

- EPY 749 - Thesis

After successfully completing the requirements above, students are eligible to earn the Master of Science - Educational Psychology.

Proseminar Course - Credits: 3

- EDH 707 - Designing & Critiquing Research In Education
- Learning Sciences Core - Credits: 15
- CIT 778 - Instructional Design
- EPY 690 - Introduction to the Learning Sciences
- EPY 717 - Analysis of Applied Learning Principles and Educational Media
- EPY 767 - Human Learning and Cognition
- EPY 770 - Cognition and Instruction
- Core Research Courses - Credits: 12
- EPY 718 - Qualitative Research Methodologies

- EPY 722 - Inferential Statistics and Experimental Design
- EPY 730 - Advanced Research Methods
- EPY 732 - Multiple Regression

Additional Research Courses - Credits: 6

Complete two of the following courses:

- EPY 716 - Evaluation Research Methods
- EPY 719 - Advanced Qualitative Research
- EPY 724 - Psychometrics II
- EPY 726 - Advanced Evaluation Research Methods
- EPY 729 - Qualitative Case Study Research
- EPY 731 - Mixed Methods Research
- EPY 733 - Multivariate Statistics
- EPY 734 - Structural Equation Modeling
- EPY 738 - Discourse Analysis
- EPY 745 - Categorical/Nonparametric Data Analysis
- EPY 746 - Multilevel Statistical Models: Theory and Application

Specialization Courses - Credits: 9

Complete 9 credits of advisor-approved coursework within one of the following specialization areas: (a) Learning Technologies, (b) Educational Data Science and Statistics, (c) Learning Policy and Organizational Change, or (d) Cognitive and Developmental Sciences.

Illustrative learning technology courses include, but are not limited to:

- CIT 770 - Foundations in Technology & Learning
- CIT 773 - Interaction Design
- CIT 774 - Behavioral Sciences & Technology
- CIT 775 - Affect & Technology
- CIT 776 - Emerging Technologies for Learning
- CIT 780 - Educational Technology Research and Practice
- CS 620 - Human-Computer Interaction
- CS 641 - Advanced Internet Programming
- CS 641L - Advanced Internet Programming Lab
- CS 651L - Multimedia Systems Design Lab
- CS 680 - Computer Graphics
- MIS 764 - Technology and Innovation Management
- MIS 746 - Information Systems Project Management

Illustrative data science and statistics courses include, but are not limited to:

- EPY 734 - Structural Equation Modeling

- ITE 651 - Managing Big Data and Web Databases
- MIS 776 - Business Intelligence
- PSY 712 - Psychometrics

Illustrative learning policy and organizational change courses include, but are not limited to:

- EDH 738 - Public Policy in Higher and Post-Secondary Education
- EDH 739 - Organization Change & Innovation in Higher Education
- EPL 731 - Leadership in a Digital Age
- EPL 732 - School and Community Leadership
- EPL 737 - Systematic Professional Development and Instructional Supervision
- EPY 742 - Language Diversity, Educational Policy & Equity
- PSC 723 - Policy Analysis

Illustrative cognitive and developmental sciences courses include, but are not limited to:

- COM 781 - Seminar in Argumentation
- EPY 768 - Problem Solving and Reasoning
- EPY 777 - Cognitive Development
- PHIL 634 - Philosophy Cognitive Science
- PHIL 640 - Theory of Knowledge
- PSY 721 - Developmental Science
- PSY 718 - Cognitive Science

Elective Courses - Credits: 6

Student must take a minimum of 6 credit hours of advisor-approved elective courses that fall within any of the other program specialization areas or their own specialization courses.

Internship - Credits: 3

- EPY 794 - Internship

(See Degree Requirements #4 below)

Dissertation - Credits: 12

- EPY 799 - Dissertation

Degree Requirements

1. Students must maintain a GPA of 3.00 or higher for all course work taken at the doctoral level, and a B or better in core courses.
2. Residence Credit Requirement: A minimum of 50 percent of the total credits required to complete the doctoral degree not including transferred and dissertation credits must be earned at UNLV after admission to the doctoral degree program.
3. Each student must satisfy a scholarly paper

requirement by the time he or she has completed 36 doctoral credits (Review I). The student must be primarily responsible for carrying out and reporting a study under the supervision of a program faculty member. The requirement may be fulfilled in one of two ways. First, the study may involve the collection and analysis of some empirical data (for example, a pilot study) resulting in a scholarly paper that is submitted to either a professional journal or as a proposal to an annual conference of a national organization. Second, the paper may consist of a literature review that is submitted for publication in a quality, peer-reviewed journal or submitted for presentation at a national conference. Prior to beginning, projects must be approved by a supervising faculty member. Once completed, students must submit to the program coordinator: (a) a copy of the paper, (b) a submission acknowledgment, and (c) a completed Review I form from the supervising faculty member.

4. Students must complete a one-semester or summer internship (EPY 794) with an employer. The purpose of the internship is to provide students with real-world experience in designing, implementing, or evaluating a learning environment, so as to augment students' depth of knowledge and skills as Learning Scientists. The internship is also intended to enhance students' employability. The internship, which may be paid or unpaid, must be with an employer (for example, text book publisher, school district, U.S. military, hotel/casino, museum); these may include appropriate units at UNLV outside of academic departments. The internship may, however, also be part of an academic research partnership involving these entities. The student is responsible for securing an internship opportunity. The internship may be completed at any point in the program prior to advancement to candidacy.

The internship must result in an academic research product (paper or report) that is partially or fully authored by the student. Proposals for internships that specify the employer, end product, and nature of the work must be approved by the student's advisor before the internship commences.

5. In consultation with his/her advisor, a student will organize a dissertation committee of at least three program members. In addition, a fourth member from outside the program, known as the Graduate College Representative, must be appointed. An additional committee member may be added at the student and department's discretion. The committee must be chaired by a program faculty member with a primary affiliation with the Department of Educational Psychology and Higher Education or co-chaired by such a faculty member and a program faculty member with a primary affiliation in another department. Please see Graduate College policy for committee appointment guidelines.
6. Students must successfully complete a preliminary

examination. This formal assessment will focus on areas of knowledge that are most relevant to the student's dissertation topic. The student and his/her committee will determine the content of this examination. The student and his/her committee will determine the content of this examination format in that it will focus on in-depth reading and writing directly related to the student's proposed dissertation topic as well as on the student's mastery of previously learned core information.

7. After successfully completing Review I (i.e., satisfying the scholarly product requirement) and Review II (i.e., passing the preliminary examination), students can then submit a formal dissertation proposal to their doctoral committee and submit the accompanying "Dissertation Prospectus" form to the Graduate College. The doctoral committee will meet and determine whether to accept or reject the prospectus. A prospectus can be accepted provisionally given that the student follows the committee's suggestions in the dissertation.
8. The student must submit and successfully defend his/her dissertation after a minimum of 84 credits of initial coursework and a minimum of 12 credits of dissertation coursework and have it completed by the posted deadline to be eligible to earn the Doctor of Philosophy - Educational Psychology. This defense will be scheduled and conducted in accordance with the Graduate College's policies for thesis and dissertation completion. It is the student's responsibility to file the required "Notification of Oral or Written Examination" form with the Graduate College in a timely manner. The defense must be advertised and is open to the public.
9. After the dissertation defense, the student must electronically submit a properly formatted pdf copy of their dissertation to the Graduate College for format check. Once the dissertation format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for dissertation defenses, format check submissions, and the final ProQuest submission can be found here.

Plan Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
2. The student must submit and successfully defend his/her thesis after 27 credits of initial coursework and a minimum of 6 credits of thesis coursework to be completed by the posted deadline to be eligible to earn the Master of Science - Educational Psychology. The defense must be advertised and is open to the public.
3. After the thesis defense, the student must

electronically submit a properly formatted pdf copy of their thesis to the Graduate College for format check. Once the thesis format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for thesis defenses, format check submissions, and the final ProQuest submission can be found here.

4. The student must submit and successfully defend his/her dissertation by the posted deadline. The defense must be advertised and is open to the public
5. After the dissertation defense, the student must electronically submit a properly formatted pdf copy of their dissertation to the Graduate College for format check. Once the dissertation format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for dissertation defenses, format check submissions, and the final ProQuest submission can be found here.

Dual Degree: Doctor of Philosophy - Educational Psychology & Juris Doctor

Plan Description

The Educational Psychology Program in coordination with the UNLV Boyd School of law offers a dual JD/Ph.D. degree. The Educational Psychology Ph.D. is designed to provide advanced studies in educational psychology with specialty area emphases in educational assessment, program evaluation, research, and learning in school domains. This program will provide opportunities for students to become independent scholars who are able to make significant contributions to knowledge in specialized areas of educational psychology where both regional and national need for trained professionals has been identified.

The program focus is on the outcomes and processes that promote more effective learning in school based and related applications. Students will take core courses in: 1) research methods and statistics, 2) learning and cognition, and 3) advanced studies in a domain of school curriculum. All students will be actively involved in research and research-related activities throughout their program of study. The program will prepare students for a variety of professional careers related to teaching, research, and work in both academic and nonacademic settings. For example, students will be prepared to fill faculty, research, or assessment positions at academic institutions, such as universities, community colleges, and K-12 school districts.

Representative occupations include educational psychologist, program evaluator, educational assessment coordinator, and employee training specialist.

For more information about your program, including your graduate program handbook and learning outcomes,

please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

Applicants to the J.D./Ph.D. program must submit formal applications for admission to both the William S. Boyd School of Law and to the Graduate College. Students must meet the requirements for admission to both programs. Admission requirements are the same as those stated under the regular J.D. and Educational Psychology Ph.D. programs. Current application deadlines are posted on the website.

A dual program candidate must complete the Graduate College, Law School and Educational Psychology Program admission processes in order to matriculate. Successful completion of the first year of law school is a precondition to commencement of work on the Ph.D. program and waives the Master's Degree prerequisite for entry to the program. A law school student may be admitted to the dual program by gaining admission to the Educational Psychology Ph.D. program after successful completion of the first year of law school with the consent of both programs.

Under the terms and conditions of the program the Law School has agreed to accept 9 credits of course work from the Educational Psychology Program toward the J.D. degree. The Educational Psychology Ph.D. Program has agreed to accept 12 credits of course work from the Law School toward the Ph.D. degree.

Students interested in the dual program should alert Graduate College admission personnel when commencing the admission process. Students interested in the Dual Degree Program should alert the Dual Degree Program Coordinator, Dr. Rebecca Nathanson, so that consultation on the admissions process can be initiated.

All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

See Subplan Requirements Below.

Subplan 1 Requirements: Foundations Track

Total Credits Required: 135

Course Requirements

Total Credits Required for the Doctor of Philosophy – Educational Psychology: 55

Proseminar Course – Credits: 1

- EPY 701 - Proseminar in Educational Psychology
- Research Methods Courses – Credits: 12
- EPY 718 - Qualitative Research Methodologies
- EPY 722 - Inferential Statistics and Experimental Design
- EPY 723 - Psychometrics I
- EPY 730 - Advanced Research Methods

Additional Research Methods Course – Credits: 3

Complete one of the following courses:

- EPY 716 - Evaluation Research Methods
- EPY 719 - Advanced Qualitative Research
- EPY 724 - Psychometrics II
- EPY 733 - Multivariate Statistics
- EPY 787 - Individual Research
- EPY 730 - Advanced Research Methods

Learning Theory Courses – Credits: 9

- EPY 757 - Theory and Philosophy of Educational Psychology
- EPY 767 - Human Learning and Cognition
- EPY 777 - Cognitive Development

Specialization Courses – Credits: 18

Complete 18 credits of advisor-approved coursework within your specified area of focus.

- Dissertation – Credits: 12

EPY 799 - Dissertation

Total Credits Required for the Juris Doctor: 80

Required Courses – Credits: 44

Directed Electives – Credits: 9

Free Electives – Credits: 27

Degree Requirements

See Plan Degree Requirements below.

Graduation Requirements

See Plan Graduation Requirements below.

Subplan 2 Requirements: School Psychology Track

Total Credits Required: 135

Course Requirements

Total Credits Required for the Doctor of Philosophy – Educational Psychology: 55

Proseminar Course – Credits: 1

- EPY 701 - Proseminar in Educational Psychology

Research Methods Courses – Credits: 12

- EPY 718 - Qualitative Research Methodologies
- EPY 722 - Inferential Statistics and Experimental Design
- EPY 723 - Psychometrics I
- EPY 730 - Advanced Research Methods

Additional Research Methods Course – Credits: 3

Complete one of the following courses:

- EPY 716 - Evaluation Research Methods
- EPY 719 - Advanced Qualitative Research
- EPY 724 - Psychometrics II
- EPY 733 - Multivariate Statistics
- EPY 787 - Individual Research

Learning Theory Courses – Credits: 9

- EPY 757 - Theory and Philosophy of Educational Psychology
- EPY 767 - Human Learning and Cognition
- EPY 777 - Cognitive Development

Specialization Courses – Credits: 18

Complete 18 credits of advisor-approved coursework within your specified area of focus.

Dissertation – Credits: 12

- EPY 799 - Dissertation

Total Credits Required for the Juris Doctor: 80

Required Courses – Credits: 44

Directed Electives – Credits: 9

Free Electives – Credits: 27

Degree Requirements

See Plan Degree Requirements below.

Graduation Requirements

See Plan Graduation Requirements below.

Plan Degree Requirements

1. Students must be admitted to both the J.D. and Ph.D. programs with graduate standing. The candidates must successfully complete the 80 credit hours of Law course work and 55 credit hours of the Ph.D. required course work.
2. William S. Boyd School of Law cannot award credit for any class taken before matriculation. J.D./Ph.D. candidates are required to enroll at the Boyd School of Law and complete one year of study before taking any Ph.D. courses.
3. Students in the J.D./Ph.D. program must remain in good standing in both J.D. and Ph.D. programs.
4. Students must maintain a grade point average of 3.00

or better in the program and a grade of B or better in core course work.

5. Of the 55 credits, 18 must be in coursework tailored for the area of focus in the strand.
6. Of the 55 credits, 25 are in courses shared with other doctoral programs in the department.
7. In consultation with his/her advisor, a student will organize a dissertation committee of at least three departmental members and one law school representative. In addition, a fifth member from outside the department, known as the Graduate College Representative, must be appointed. The Dual Degree Program Coordinator will sit on all dissertation committees. Please see Graduate College policy for committee appointment guidelines.
8. Specific specialization courses in the assessment, program evaluation, research, and learning in school domains strands are determined by the student in consultation with her or his committee.
9. In addition to the required specialization courses, each student, in consultation with advisor and doctoral committee, selects an individual emphasis area and determines the specific courses to be completed.
10. Each student must satisfy a scholarly paper requirement by the time he or she has completed 36 credits (Review I). The student must be primarily responsible for carrying out and reporting a study under the supervision of a program faculty member. The requirement may be fulfilled in one of two ways. First, the study may involve the collection and analysis of some empirical data (for example, a pilot study) resulting in a scholarly paper that is submitted to either a professional journal or as a proposal to an annual conference of a national organization. Second, the paper may consist of a literature review that is submitted for publication in a quality, peer-reviewed journal or submitted for presentation at a national conference. Prior to beginning, projects must be approved by a supervising faculty member. Once completed, students must submit to the program coordinator(s): (a) a copy of the paper, (b) a submission acknowledgment, and (c) a completed Review I form from the supervising faculty member.
11. Each student must take the preliminary examination (Review II). This second formal assessment, typically completed during the last semester of formal classwork, is an examination that will focus on areas of knowledge that are most relevant to the student's proposed dissertation topic. The student and his/her committee will determine the content of this examination format in that it will focus on in-depth reading and writing directly related to the student's proposed dissertation topic as well as on the student's mastery of previously learned core information.
12. After successfully completing Review I (i.e., satisfying the scholarly product requirement) and Review II (i.e.,

passing the preliminary examination), students can then submit a formal dissertation proposal to their doctoral committee and submit the accompanying "Dissertation Prospectus" form to the Graduate College. The doctoral committee will meet and determine whether to accept or reject the prospectus. A prospectus can be accepted provisionally given that the student follows the committee's suggestions in the dissertation. Upon completion of the full dissertation, a defense will be scheduled. This defense will be scheduled and conducted in accordance with the Graduate College's policies for thesis and dissertation completion. It is the student's responsibility to file the required "Notification of Oral or Written Examination" form with the Graduate College in a timely manner.

Plan Graduation Requirements

1. Students cannot graduate from one portion of the dual degree until the requirements for both are met. Students must apply to graduate from both programs for the same semester.
2. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
3. The student must submit and successfully defend his/her dissertation by the posted deadline. The defense must be advertised and is open to the public.
4. After the dissertation defense, the student must electronically submit a properly formatted pdf copy of their dissertation to the Graduate College for format check. Once the dissertation format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for dissertation defenses, format check submissions, and the final ProQuest submission can be found here.

Dual Degree: Doctor of Philosophy - Higher Education & Juris Doctor

Plan Description

The Higher Education Program in coordination with the UNLV Boyd School of law offers a dual J.D./Ph.D. degree. The Doctor of Philosophy – Higher Education is grounded in the concept that successful higher educational leaders must be well-informed and context sensitive professionals who make theory based, research supported, and data driven decisions.

The primary objectives of the program are to:

1. Prepare students for administrative positions in community colleges, four year colleges, universities, and other public and private learning and policy environments;
2. Prepare individuals for faculty positions in higher

education; and

3. Assist doctoral students in the development of skills in assessment and evaluation, research design, and quantitative and qualitative methodologies appropriate for leadership roles as faculty or administrators in higher and postsecondary education.

For more information about your program, including your graduate program handbook and learning outcomes, please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

Applicants to the J.D./Ph.D. program must submit formal applications for admission to both the William S. Boyd School of Law and to the Graduate College. Students must meet the requirements for admission to both programs. Admission requirements are the same as those stated under the regular J.D. and Higher Education Ph.D. programs. Current application deadlines are posted on the website.

A dual program candidate must complete the Graduate College, Law School and Higher Education Program admission processes in order to matriculate. Successful completion of the first year of law school is a precondition to commencement of work on the Ph.D. program and waives the Master's Degree prerequisite for entry to the program. A law school student may be admitted to the dual program by gaining admission to the Higher Education Ph.D. program after successful completion of the first year of law school with the consent of both programs.

Under the terms and conditions of the program the Law School has agreed to accept 9 credits of course work from the Higher Education Program toward the J.D. degree. The Higher Education Ph.D. Program has agreed to accept 18 credits of course work from the Law School toward the Ph.D. degree.

Students interested in the dual program should alert Graduate College admission personnel when commencing the admission process. Students interested in the Dual Degree Program should alert the Higher Education Ph.D. Admissions Coordinator so that consultation on the admissions process can be initiated.

Students can elect to specialize in any of three emphasis areas: higher education leadership, including university and community college leadership; higher education policy and planning; and student affairs leadership.

All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

Total Credits Required: 134

Course Requirements

Total Credits Required for the Doctor of Philosophy – Higher Education: 54

Required Core Courses – Credits: 15

- EDH 703 - History of American Higher Education
- EDH 710 - Finance and Budgeting in Higher Education
- EDH 715 - Theory of Educational Organizations
- EDH 738 - Public Policy in Higher and Post-Secondary Education
- EDH 705 - HE Law-Doctoral

OR

- EDH 742 - Academic Governance in Higher Education

Required Research Courses – Credits: 12

- EDH 707 - Designing & Critiquing Research In Education
- EPY 716 - Evaluation Research Methods
- EPY 722 - Inferential Statistics and Experimental Design
- EPY 718 - Qualitative Research Methodologies

Research Elective Courses – Credits: 3

Select one of the following courses in consultation with your program of study chair.

- EPY 719 - Advanced Qualitative Research
- EPY 729 - Qualitative Case Study Research
- EPY 732 - Multiple Regression
- EPY 733 - Multivariate Statistics

Specialization Courses – Credits: 9

Complete 9 credits from the following courses in consultation with your program of study chair.

- EDH 607 - Leadership Development Seminar
- EDH 609 - Leading Diverse Organizations
- EDH 618 - Facilities Management and Campus Planning
- EDH 624 - Readings in Student Personnel Issues
- EDH 706 - Current Issues in Higher Ed
- EDH 708 - The American Community College
- EDH 719 - Institutional Advancement
- EDH 732 - Readings in Administration of Higher Education
- EDH 733 - The Professorate
- EDH 737 - Ethical Dimensions of Higher Education Leadership

- EDH 739 - Organization Change & Innovation in Higher Education
- EDH 740 - Comparative and International Higher Education
- EDH 742 - Academic Governance in Higher Education
- EDH 745 - Institutional Planning in Higher Education
- EDH 750 - Special Topics in Higher Education
- EDH 780 - Seminar: Teaching in Higher Education
- EDH 791 - Doctoral Independent Study

Prospectus Course – Credits: 3

- EDH 796 - Dissertation Proposal Preparation

Dissertation – Credits: 12

- EDH 799 - Dissertation

Total Credits Required for the Juris Doctor: 80

Required Courses – Credits: 44

Directed Electives – Credits: 9

Free Electives – Credits: 27

Degree Requirements

1. Students must be admitted to both the J.D. and Ph.D. programs with graduate standing. The candidates must successfully complete the 80 credit hours of Law course work and 54 credit hours of the Ph.D. required course work.
2. William S. Boyd School of Law cannot award credit for any class taken before matriculation. J.D./Ph.D. candidates are required to enroll at the Boyd School of Law and complete one year of study before taking any Ph.D. courses.
3. Students without a background in statistics may take EPY 721 Descriptive/Inferential Statistics, but the course will not count as credits toward the doctoral program.
4. In consultation with his/her advisor, a student will organize a dissertation committee of at least three departmental members and one law school representative. In addition, a fifth member from outside the department, known as the Graduate College Representative, must be appointed. The Dual Degree Program Coordinator will sit on all dissertation committees. Please see Graduate College policy for committee appointment guidelines.
5. Students in the J.D./Ph.D. program must remain in good standing in both J.D. and Ph.D. programs.
6. The doctoral comprehensive examination consists of two parts: A core examination and an individualized examination. Part I: Core examination:
 1. The core examination is offered twice a year (usually September and February). Students should take this examination as early in their

programs as possible. Students are eligible to the Comprehensive Examinations if they have passed all core courses with a “B-” or better. No student with anything less than a “B-” in any core course will be allowed to take the Comprehensive Examination. A core course may be repeated, allowing the student an opportunity to earn a “B-” or better.

2. To be eligible to sit for this examination, students must have completed the required core courses, the required research courses, and the methodology course.

3. Each section of the comprehensive examination is taken over a two week period.

4. Section One: Covers research design. It draws heavily on the research core courses. Students are encouraged to integrate information from other methods courses into their answers. Information about this question is provided to students prior to the examination.

5. Section Two: Affords student the opportunity to integrate basic historical, organizational, financial/economic, policy, and legal perspectives into a discussion of one or more current issues. Faculty members will meet with students prior to distributing this question to talk about specific, appropriate issues that may be addressed in this section of the exam.

6. The evaluation rubric is available for download from the department website. Students who do not pass a section of the comprehensive exams potential remedies.

7. The purpose of the individualized examination is to help students fill in gaps in their knowledge base and to help them move forward into the dissertation stage of the program.

7. All students are required to engage in an internship experience. Each internship is an individually designed, semester-long experience that can be repeated for credit for up to a maximum of 6 hours. Ordinarily, the internship is completed after the student has successfully passed the core comprehensive examination. There are three types of internships for doctoral students: Administrative, Teaching, and Research.

1. Administrative internships enable students to apply theory to practice. Internship placements are available in a variety of professional settings including UNLV, the Community College of Southern Nevada, Nevada State College, the Nevada System of Higher Education administrative departments, as well as in neighboring institutions of higher education and government policy and business environments. These are challenging experiences in which students are expected to make meaningful

contributions that advance the goals of the host site.

2. Teaching internships are done under the aegis of a faculty member. Doctoral teaching assistants may team with a faculty member in a Master's course or teach undergraduate courses.
3. Research internships are usually done with the student's doctoral chair. These internships allow students to team with a faculty member on a research-based project, which may entail design, data collection, analysis, or writing.
8. Students must complete the residency requirement. Residency requirements are met following the completion of 42 credit hours, the comprehensive examinations, and by completing these outcomes:
 1. Completion of remaining course work, including research courses and electives.
 2. Combination of doctoral internships and/or independent studies, as advised by student's doctoral advisor.
 3. Successful completion of EDH 790 – Doctoral Internship and EDH 796 –Dissertation Proposal Preparation.
 4. Completion of a national presentation and/or a manuscript submitted for publication consideration.
9. Students may use three credits of dissertation hours (EDH 799) towards their residency.
10. Residency requirements must be fulfilled prior to the dissertation proposal defense. Students must review an outcomes checklist with their advisors prior to the proposal defense to verify completion of residency. Upon completion of residency students should have 9 to 12 dissertation credits remaining in the program of study.

Plan Graduation Requirements

1. Students cannot graduate from one portion of the dual degree until the requirements for both are met. Students must apply to graduate from both programs for the same semester.
2. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
3. The student must submit and successfully defend his/her dissertation by the posted deadline. The defense must be advertised and is open to the public.

After the dissertation defense, the student must electronically submit a properly formatted pdf copy of their dissertation to the Graduate College for format check. Once the dissertation format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines

for dissertation defenses, format check submissions, and the final ProQuest submission can be found here.

Educational Psychology and Higher Education Courses

EDA 725 - Quantitative Research Methods I for Practicing Administrators Credits 3

Beginning concepts of quantitative research methods for practicing educational administrators with an emphasis on the application of descriptive and basic inferential statistics to education data and administrative problems of practice. Grading Letter Grade. Prerequisites: Admission to the Doctor of Education - Executive Educational Leadership program.

EDA 726 - Quantitative Research Methods II for Practicing Administrators Credits 3

Basic concepts of causal inference for practicing educational administrators with an emphasis on the application of experimental and quasi-experimental methods to education data and administrative problems of practice. Grading Letter Grade. Prerequisites: Admission to the Doctor of Education - Executive Educational Leadership program. EDA 771F and either EDA 725 or EDA 706.

EDA 727 - Qualitative Research Methods I for Practicing Administrators Credits 3

Basic concepts of qualitative research methods for practicing educational administrators with an emphasis on the application of these methods to education problems, especially administrative problems of practice. Grading Letter Grade. Prerequisites: Admission to the Doctor of Education - Executive Educational Leadership program and EDA 771F.

EDA 771F - Research Credits 1 - 6

RESEARCH. Grading Letter grade

EDH 602 - Research Based Decision Making Credits 3

This master's level course assists students in how to integrate information from reports, research, surveys, and other forms of data into effective leadership and management decision making processes. The methods and processes for deciphering information will help students detail the strengths and weaknesses of informational sources that administrators commonly encounter. Formerly EDH 702 Notes (Master's Program)

EDH 603 - Introduction to College Sport Credits 3

Examine the role athletics and recreational sport plays in higher education. Through analysis of relevant scholarly literature and current issues, students will experience the expectations placed on higher education administrators responsible for integration and oversight of college sport programs. Grading graded

EDH 604 - Management Communications Credits 3

Master's level course on the administrative and communication aspects of effective leadership within a higher education setting. Equips students with the tools necessary to be effective communicators with various audiences via letters, memorandums, E-mail messages, presentations, and meetings. Formerly EDH 704 Notes: (Master's Program)

EDH605-Introduction to Colleges and Universities Credits 3

Master's level course that provides an introduction to the purposes, goals, and structures of institutions of higher education. Provides a broad view of managerial functions and an understanding of organization, finance, and other issues related to college administration. Notes: Master's program

EDH 606 - Intercollegiate Athletic Administration Credits 3

This course provides students with an understanding of governance and policy development relevant to higher education, intercollegiate athletics. Through analysis of relevant scholarly literature, national governing body policies and institutional policies, students experience expectations placed on administrators responsible for oversight of intercollegiate athletics.

EDH 607 - Leadership Development Seminar Credits 3

Analyzes leadership functions related to educational organizations, leadership and management theory and the impact of human resources. Special emphasis placed on use of teams in higher education. Formerly EDH 728

EDH 608 - HE Law-Masters Credits 3

Informs students of various legal authorities and their impact on higher education and administration. Includes review and analysis of legal dictates including federal and state constitutions, statutes, case law policies, and administrative rules. Formerly EDH 751 Notes: (Master's Program)

EDH 609 - Leading Diverse Organizations Credits 3

Provides students with opportunity to reflect on experiences, examinations of theory, and practical application of organizational leadership within the context of diversity. Formerly EDH 761

EDH 610 - Master's Capstone Experience Credits 1

Provides an integrative, synthesizing experience for students culminating in a written examination or an Option II Paper. Draws on and integrates concepts from previous courses and work experiences to ascertain the big picture perspective of higher education. Formerly EDH 798 Notes: Only one credit may count toward degree plan. Grading S/F grading. (Master's Program)

EDH 618 - Facilities Management and Campus Planning Credits 3

This course familiarizes students with facilities management, campus planning, and public/private partnerships. The goal of the class is to increase the awareness and understanding of the topic areas and their impact on both the academic and administrative programs at higher education institutions. Formerly EDH 712

EDH 624 - Readings in Student Personnel Issues Credits 3

Explores in detail all aspects of college student personnel work by conducting an extensive review of writings related to theory, practice, and program management. Formerly EDH 734 Prerequisites: Consent of instructor.

EDH 626 - College Student Personnel Services Credits 3

Introduction to the field of college student personnel services and the role of CSPW within institutions of higher education. Reviews development of the profession and assessment of current developments. Formerly EDH 762

EDH 628 - The Student Athlete Credits 3

Student-athlete experiences on U.S. college campuses. Understanding of academic advising and life skills training as an essential component of student-athlete success, retention and persistence. Progress through roles and functions of athletic support staff--from recruiting to enrollment and continuing toward graduation and post-graduate experiences. Grading Letter grade

EDH 690 - Masters Internship Credits 3

Individually structured program designed to enroll the student in an administrative unit or academic experience under the joint supervision of a practicing administrator or faculty member and a university professor. Notes: Repeatable to six credits. Grading S/F grading only.

EDH 691 - Masters Independent Study Credits 3

Research, teaching, or administrative work in a unique area of interest in the field of higher education. All work conducted in cooperation with instructor/advisor. Notes: Repeatable to six credits. Corequisite: Consent of instructor.

EDH 703 - History of American Higher Education Credits 3

Surveys the history of American higher education in the United States with a focus on two-year and four-year institutions, public and private. Begins with its traditional liberal arts origin through the growth of the community college and American research university. Explores how various groups changed the structure of higher education and the challenges these changes created. Prerequisites: Master's consent of instructor.

EDH 705 - HE Law-Doctoral Credits 3

Designed for graduate students preparing for leadership positions in public schools. Formerly EDH 752 Prerequisites: Consent of instructor.

EDH 706 - Current Issues in Higher Ed Credits 3

Assists graduate students in higher education in developing understanding of and appreciation for philosophical and sociological contexts that provide foundation for present system of higher education in America.

EDH 707 - Designing & Critiquing Research In Education Credits 3

Focuses on methods of educational research to develop in-depth understanding of research design and awareness of issues when critiquing research findings. Prerequisites: EPY 702 or equivalent; Must be accepted into a degree-seeking doctoral program.

EDH 708 - The American Community College Credits 3

Development of the contemporary community, junior, and technical college. In-depth examination of history, philosophy, curriculum, and structure of the two-year college. Includes related curriculum topics. Prerequisites: Consent of instructor.

EDH 709 - Seminar in the Economics of Higher Education Credits 3

Designed to expose students to the basic principles of micro economics and fundamental economic theories that tie to education. Students have opportunity to experiment with economics as a tool for examining higher education policy. Prerequisites: Consent of instructor.

EDH 710 - Finance and Budgeting in Higher Education Credits 3

For students who expect to spend their careers in higher education. Provides understanding of the principals related to the economics of education including why society invests in colleges and universities.

EDH 711 - Marketing Higher Education and College Sport Credits 3

A study of the conceptual and empirical approaches higher education leaders can utilize for building relationships with stakeholders. Topics include commercialization of higher education, market forces versus public interest, responsible innovation, strategic marketing plan development, corporate sponsorships and intercollegiate athletics, marketing ethics, as well as application of market research in the higher education contexts. Grading Letter grade

EDH 712 - Title IX and Gender Equity Credits 3

Examines the law created to remedy sex discrimination within educational environments and relevant legal interpretations. Reviews significant lawsuits and explores how the legislation has been applied and judicially clarified over the years through changing social and political climates. Grading Letter grade

EDH 713 - Sport Governance & Policy Credits 3

Issues of governance in U.S. sport. Grading Letter grade

EDH 714 - Understanding Minority Serving Institutions Credits 3

The course seeks to examine the emergence of the use of MSI as a Federal designation in higher education and consider the impact that may have at the institutional level with respect to students, faculty, and staff as it relates to campus climate, student learning, and engagement. Same as No Prerequisites: EPY 702 (or equivalent)

EDH 715 - Theory of Educational Organizations Credits 3

Intense discussion in understanding how higher educational organizations function. Students examine these roles as they relate to the performance of higher education administrators.

EDH 719 - Institutional Advancement Credits 3

Introduction to fundraising and alumni relations operations in contemporary higher education. Examines the assumptions, models, and methods that characterize fund and friend raising. Students will develop a context within which to evaluate the effectiveness of IA programs. Formerly EDH 718

EDH 723 - Women in Higher Education Credits 3

Women's experiences with higher education structures and policies are studied. We explore intersections of race, gender, socio-economic status and identity development in college women, while considering intersections of feminist theory and historical, social, professional and institutional contexts to shed light on the educational process and how women frequently experience discrimination.

EDH 727 - College Students in the United States Credits 3

Explores how students learn and develop. Strategies to facilitate learning by college students analyzed. Focuses on application of student development theory. Formerly EDH 764 Grading graded

EDH 730 - Institutional Assessment Credits 3

The course provides students with sufficient understanding of assessment practices to conduct or supervise effective, efficient, and useful assessment projects to meet the assessment requirements of accreditation agencies, legislatures, review boards, and other external audiences to improve their institutions, departments, and programs.

EDH 732 - Readings in Administration of Higher Education Credits 3 – 6

Selected readings of literature in higher education; assigned topics in the areas of organization, administration, finance, and/or supervision, agreed upon by both advisor and student. Notes: May be repeated to a maximum of six credits. Prerequisites: Consent of instructor.

EDH 733 - The Professorate Credits 3

Designed to engage participants in discussion, research, and writing that focuses on college and University faculty. Analyze faculty as people at work in organizations, consider structural and cultural dimensions of faculty work, and examine the condition of the academic profession within changing environmental contexts. Formerly EDH 760 Prerequisites: Masters consent of instructor.

EDH 737 - Ethical Dimensions of Higher Education Leadership Credits 3

Ethical aspects of the culture, activities, and principles relating to leadership in higher education. Students will explore current ethical issues in the post-secondary education setting and prepare a written project focusing on the ethical principles of a higher education leadership issue. Prerequisites: Masters consent of instructor.

EDH 738 - Public Policy in Higher and Post-Secondary Education Credits 3

Focuses on decision making and public policy formation in higher education. Roles of state and national policy-making process studied in depth. Formerly EDH 792 Prerequisites: Master's consent of instructor.

EDH 739 - Organization Change & Innovation in Higher Education Credits 3

Introduces students to philosophical and application tools in which to view public policy. Students will examine higher education policy utilizing these different tools and national databases. Prerequisites: EDH 792

EDH 740 - Comparative and International Higher Education Credits 3

Familiarizes students with international higher education systems. The goal of the course is to examine the similarities and differences of the international systems as they relate to higher education in the United States. Prerequisites: Master's consent of instructor.

EDH 742 - Academic Governance in Higher Education Credits 3

Theoretical and working knowledge of politics in higher education. Students gain appreciation, understanding and critique of politics and its influences on policy formation. Formerly EDH 787 Prerequisites: Master's consent of instructor.

EDH 745 - Institutional Planning in Higher Education Credits 3

Familiarizes students with institutional planning in higher education with a focus on issues including academic strategy, university management, institutional competition, program evaluation/assessment, and program/institutional accreditation. Planning issues at community colleges, private four-year institutions, and public four-year institutions will be examined.

EDH 750 - Special Topics in Higher Education Credits 1-3

Exposes students to and helps them understand special topics that impact and influence higher education. Variety of special topics offered: student financial aid, enrollment management, academic organization and leadership, and student diversity. Notes: May be repeated to a maximum of nine credits. Prerequisites: Consent of instructor.

EDH 780 - Seminar: Teaching in Higher Education Credits 3

Weekly seminars in organization, materials, and procedures related to working with college-level students. Includes survey of various teaching techniques, evaluation, and general patterns of instruction.

EDH 785 A - Practitioner Experience Seminar Credits 3–9

Follows a three-course sequence that combines seminar discussions along with limited practical experience in an administrative office or department of a postsecondary institution. The three seminars center on academic affairs, student services and finance, and administration. Prerequisites: Completion of doctoral core. (Ed.D. Program)

EDH 785 B - Practitioner Experience Seminar Credits 3–9

Follows a three-course sequence that combines seminar discussions along with limited practical experience in an administrative office or department of a postsecondary institution. The three seminars center on academic affairs, student services and finance, and administration. Prerequisites: Completion of doctoral core. (Ed.D. Program)

EDH 785 C - Practitioner Experience Seminar Credits 3–9

Follows a three-course sequence that combines seminar discussions along with limited practical experience in an administrative office or department of a postsecondary institution. The three seminars center on academic affairs, student services and finance, and administration. Prerequisites: Completion of doctoral core. (Ed.D. Program)

EDH 790 - Doctoral Internship Credits 3

Individually structured program designed to enroll the student in an administrative unit or academic experience under the joint supervision of a practicing administrator or faculty member and a university professor. Notes: Repeatable to six credits. Grading S/F grading. Prerequisites: Internship-doctoral.

EDH 791 - Doctoral Independent Study Credits 3

Research in area of unique interest in college student personnel work. Research conducted in cooperation with instructor. Notes: Repeatable to six credits. Prerequisites: Consent of instructor.

EDH 796 - Dissertation Proposal Preparation Credits 3

Acquaints students with resources available to graduate students in conceptualizing, proposing, conducting and reporting research proposals. Prerequisites: Successful completion of comprehensive examination.

EDH 799 - Dissertation Credits 1 - 3

Culminate research analysis and writing toward completion of dissertation and subsequent defense. Prerequisites: Limited to doctoral candidates, consent of instructor.

EPL 700 - Special Topics Credits (1-3)

Topics related to current issues in educational leadership and policy. May be repeated with new content. Maximum credit 6 units. Notes: May be repeated with new content to a maximum of 6 credits.

EPL 705 - Independent Study Credits (1-3)

Independent study of a topic in educational leadership and policy under the direction/supervision of a faculty member. Notes: May be repeated to a maximum of 6 credits. Prerequisites: Permission of instructor.

EPL 720 - Introduction to Leadership and Organizations Credits 3

Introduction to general theories of educational leadership and organizational systems.

EPL 722 - Educational Research Methods Credits 3

Introduction to research for school leaders, including an overview of quantitative and qualitative research methods. The role of research in organizational change and strategic planning will be emphasized. Specific applications of research in terms of school improvement and student achievement will be addressed.

EPL 731 - Leadership in a Digital Age Credits 3

The role of educational leaders in creating and sustaining systems and processes to align curriculum, instruction, and assessment with 21st century skills for college and career readiness, including the use of appropriate digital technologies to support learning and organizational goals.

EPL 732 - School and Community Leadership Credits 2

How to work effectively with diverse families and community members by assessing and responding to diverse community interests and needs; sharing leadership with stakeholders; motivating and mobilizing community resources; and examining relationships between schools and communities from demographic and political perspectives, all to promote student achievement.

EPL 735 - Leadership for School Improvement Credits 3

Application of evidence-based decision-making methods aimed at creating a culture of continuous school improvement including: 1) the collection, analysis, and interpretation of multiple measures, 2) the inter-relationships between evidence-based interventions and educational outcomes, 3) commonly used analytic strategies and processes, and (4) a step-by-step approach to evidence-based decisions.

EPL 737 - Systematic Professional Development and Instructional Supervision Credits 3

The practice of teacher supervision with emphases on instructional leadership and professional development. The course addresses coaching, adult learning, and distributive leadership to support the culture of learning and equity in the organization.

EPL 740 - Educational Systems Credits 1

Seminar emphasizing the development of systems to guide instructional supervision through the use of research-based instructional frameworks.

EPL 742 - Leadership Field Experience Credits 3

Supervised field experience in PK-12 schools. Notes: May be repeated to a maximum of 6 credits. Prerequisites: Permission of program.

EPL 751 - Educational Law & Policy: Student Issues Credits 1

Applicable federal, state, and local requirements and public policy related to student rights and responsibilities through case studies intended to develop the student's capacity to create a safe and productive school culture. Emphasis is placed on legal protections and due process relative to student discipline issues.

EPL 753 - Human and Fiscal Resource Management Credits 2

The management of fiscal and human resources in PK-12 schools in order to achieve greater student performance. Case studies and simulations will be employed to develop the necessary resource management knowledge and skills.

EPL 755 - Law for Exceptional Students Credits 1

Seminar addressing applicable federal, state, and local requirements and public policy for providing services to exceptional and at-risk student populations through study of contemporary case law, case study analysis, and evidence-based program design and supervision.

EPL 757 - Education Law and Public Policy: Teacher/Staff Evaluation Credits 1

Introduction of applicable federal, state, and local requirements and public policy for high stakes assessment of teachers emphasizing continuous improvement through carefully designed personnel supervision and evaluation. Contract management, employee discipline and recognition, and procedural expectations for insuring fairness and equity will be addressed.

EPL 758 - Financial Entrepreneurship & Educational Innovation Credits 3

Exploration of educational leaders' roles as entrepreneurs within existing organizational structures as well as how educational leaders can develop partnerships with various community, government, and business entities to augment financial and human resources toward increasing student learning.

EPL 780 - Capstone Seminar: Educational Leadership Credits 2

The capstone seminar provides students with the opportunity to synthesize core and major coursework completed during the program of graduate study culminating in a portfolio or poster presentation demonstrating competencies in educational leadership as evidenced by field-based experiences. Prerequisites: Permission of program.

EPP 710 - Assessment of Intelligence by School Psychologists Credits 3

Theory and practice in the use of assessment measures for evaluating intellectual abilities of children, youth, and adults. Prerequisites: Admission to program or consent of instructor.

EPP 715 - Projective, Personality, and Behavioral Assessment by School Psychologists Credits 3

Assessment devices used by school psychologist to evaluate student's emotional and behavioral status. Prerequisites: Admission to program or consent of instructor.

EPP 723 - Diagnostic and Prescriptive Strategies: Psychopathology Credits 3

Designed to explore variables and intervention strategies with emphasis on assessment-based interventions and focus on brief counseling theories and techniques for school psychologists and other school-based practitioners. Formerly (EPC 723) Prerequisites: Admission to doctoral program or consent of instructor.

EPP 730 - Consultation Theory & Skills

An overview of the foundations of collaboration models, research-based interventions, and skills for use in culturally diverse schools and communities.

EPP 735 - Evidence Based Interventions to Promote Mental Health

Empirically supported counseling interventions to promote mental health and address psychosocial issues that may impede school functioning. Prerequisites: CED 727

EPP 745 - Legal Clinic on Law, Ethics, & Advocacy Credits 3

Collaborative interdisciplinary experiences advocating for the educational rights of children and youth who are involved in the legal system. Substantive areas of law, psychology, educational advocacy; ethics, consultation, collaboration, and professionalism.

EPP 750 - Advanced Test Analysis in School Psychology Credits 3

Functional and theoretical approach for interpretation and inquiry applications with cognitive and affective scales typical in school-based practice. Emphasis on advanced statistical analysis for synthesizing data in diagnostic and validation studies. Prerequisites: Admission to doctoral program or consent of instructor.

EPP 760 - Cultural Ecological Model in School Psychology Credits 3

Provides skills needed to work with diverse learners in a psychoeducational setting. The learner will be expected to understand multicultural issues concerning assessment, counseling, second-language acquisition, and/or general cultural diversity. Grading letter grade Prerequisites: Admission to program or consent of instructor.

EPP 761 - Role & Function of the School Psychologist in a Global Society Credits 3

Primarily designed for prospective school psychologists but also for those interested in field of school psychology. In-depth survey of field with its related problems and issues. Local, regional, and national issues studied from a practical field perspective. Grading letter grade. Prerequisites: Consent of instructor.

EPP 762 - School Psychology Intervention with Practicum Credits 3

Supervised practice with children in school and clinic settings with intervention recommendations. Notes: May be repeated up to a maximum of nine credits. Prerequisites: Admission to program and consent of instructor.

EPP 763 - Psychoeducational Academic and Diagnostic Assessment Credits 3

Teaches students how to effectively perform psychological, academic, and diagnostic testing as part of a general psychoeducational evaluation. Students will also be given skills in diagnosing educational and psychological disorders. Prerequisites: Admission to program or consent of instructor.

EPP 764 - Psychology Ethics Seminar Credits 1

Ethics in psychology and school psychology. Notes: May be repeated to a maximum of four credits. Prerequisites: Matriculation in school psychology program EdS or PhD. Consent of instructor.

EPP 765 - Advanced Seminar Credits 1 – 9

Special topics in psychology and school psychology: professional issues, ethics, research, psychological science foundations and integration, assessment, or intervention. Prerequisites: Admission to program or consent of instructor.

EPP 766 - School Psychology Professional Paper Credits 2

Scholarly paper on a topic pertinent to the profession of school psychology. Prerequisites: Admission to program and consent of instructor.

EPP 767 - School-Based Neuropsychological Assessment Credits 3

Provides functional skills in neuropsychological assessment for school psychologists with attention to organization of the human nervous system, brain-behavior relationships, and developing recommendations for instructional interventions based on neurocognitive strengths and weaknesses.

EPP 769 - Internship in School Psychology Credits 3

Supervised school-based experience as a school psychologist intern. Notes: May be repeated to a maximum of six credits. Prerequisites: PP 761 (may be taken concurrently).

EPP 770 - Systems Change, Leadership, & Advocacy in Schools Credits 3

Overview of models for systems change in schools and skills in research-based interventions, organizational consultation, leadership, and advocacy.

EPP773-SocialScienceContributionsinEducation Credits2

Utilization of theory, data, and methodology from various social sciences to gain an appreciation and understanding of the forces and interactions among societies, institutions, and individuals in the realm of educational theory and pedagogy. a) Anthropological perspectives. b) Sociological perspectives. c) Economic perspectives. Notes: May be repeated to a maximum of six credits. Grading Letter grade Prerequisites: Consent of instructor.

EPY 690 - Introduction to the Learning Sciences Credits 3

The learning sciences are concerned with designing effective learning innovations and environments. Field is rooted in educational psychology, cognitive science, anthropology,

applied linguistics, educational technology, and computer science. Course surveys major aspects of the learning sciences, including research methodologies, learning technologies, collaborative learning, disciplinary learning, teacher learning, policy design. Notes: This course is crosslisted with EPY 490. Credit at the 600-level requires additional work.

EPY 699 - Special Topics

Specialized instruction in counseling and human development services concerned with specific problem areas or specific approaches to counseling and delivery systems. Specific topics designed to help students develop in-depth understanding of particular topic or issue. Notes: This course is crosslisted with EPY 499. Credit at the 600 level requires additional work.

EPY 701 - Proseminar in Educational Psychology
Credits 1 – 2

Introduction to graduate studies in educational psychology. Topics may include, but are not limited to: teaching apprenticeship, professional organizations, creating a vita, evaluation and assessment, institutional review board training, peer review process, use of PsychInfo and other topics relevant to graduate studies. Notes: May be repeated to a maximum of two credits. Prerequisites: EPY 702 (may be taken concurrently) or equivalent.

EPY 702 - Research Methods **Credits 3**

Early entry graduate-level survey of research methods with emphasis on comprehension of educational research literature. Includes scientific method, locating and summarizing published research, sampling, measurement, statistics, research design, and critique of published research

EPY 703 - Teachers as Producers and Consumers of Educational Research **Credits 3**

Entry graduate-level survey of research methods with a dual emphasis on 1) comprehension of educational research literature (teachers as consumers of educational research) and 2) designing and conducting classroom-based research (teachers as producers of educational research).

EPY 707 - Adolescent Development **Credits 3**

Examines physical, cognitive, social, and moral development of adolescents. Theories of identity development, including ethnic identity development, and their applications to counseling, education, and curriculum development discussed. Social relations, aspects of sexuality, and special problems/issues of adolescence.

EPY 708 - Human Learning and Development **Credits 3**

Graduate-level introduction to basic concepts in educational psychology with emphasis on development, learning, and motivation. Prerequisites: Undergraduate degree not in behavioral science or consent of instructor.

EPY 709 - Classroom Assessment **Credits 3**

Compares and contrasts traditional and alternative assessment procedures including factors such as: philosophical basis, purposes, roles of teacher, student and administrators, interpreting and reporting results, and strengths and limitations. The role of assessment in promoting learning also discussed. Prerequisites: EPY 707 or EPY 708 (may be concurrent) or consent of instructor.

EPY 710 - Survey Methods and Design **Credits 3**

Systematic analysis of survey design and research conducted using survey techniques with emphasis on how to effectively plan and conduct mail, electronic, and other self-administered. Prerequisites: EPY 702 or consent of instructor.

EPY 711 - Human Growth and Development **Credits 3**

Emphasis on implications of human growth and life-span development (childhood through adulthood) for counseling, research and instruction. Topics include prenatal development and birth, death and dying, and physical, perceptual, cognitive, moral, personality, and language development.

EPY 712 - Foundations of Learning and Cognition **Credits 3**

Systematic analysis of concepts and principles of human learning with emphasis on their application to instruction and counseling. Topics include classical and operant conditioning, information-processing and memory, the neurophysiology of learning, and personality and social factors in learning.

EPY 716 - Evaluation Research Methods **Credits 3**

Addresses the definition and purposes of evaluation research including its potential uses and limitations. Examines models of evaluation research and their application in a variety of settings. Notes: Students are strongly encouraged to complete EPY 711 prior to enrolling in this course. Prerequisites: EPY 702 or EDH 707 ; EPY 721

EPY 717 - Analysis of Applied Learning Principles and Educational Media **Credits 3**

Introduction to the processes and products of educational media development/selection through the study of contributions, evaluation criteria, and production requirements essential for optimal learning situations. Includes practice in applying learning principles to educational media.

EPY 718 - Qualitative Research Methodologies **Credits 3**

Qualitative approaches to exploring phenomena related to educational and other social contexts. Attention given to theoretical and practical considerations of case studies, ethnographies, participant observation and narrative reports; discussion of criteria for establishing goodness of qualitative studies. Notes: Field work using qualitative methods required. Prerequisites: EPY 702

EPY 719 - Advanced Qualitative Research **Credits 3**

Qualitative approaches to exploring phenomena related to educational and other social contexts. Analysis of data and presentation of findings. Specific emphasis on analysis of discourses from participant observation and/or interview data. Notes: Field work using qualitative methods may be required. Prerequisites: EPY 702 and EPY 718

EPY 721 - Descriptive and Inferential Statistics: An Introduction **Credits 3**

Descriptive indices of central location and dispersion, correlation and regression, hypothesis testing and basic inferential techniques. Emphasis on intuitive understanding and applications in educational/behavioral measurement and research.

EPY 722 - Inferential Statistics and Experimental Design **Credits 3**

Intermediate- level coverage of inferential statistics and experimental design analysis covering commonly used techniques in educational and behavioral research with computer applications. Prerequisites: EPY 721

EPY 723 - Psychometrics I **Credits 3**

Introduction to psychometric theory and applications to educational measurement problems. Topics include classical test theory, reliability indices, validation processes, threats to psychometric quality, generalizability theory, and a brief introduction to item response theory and Rasch models. Prerequisites: EPY 721 (EPY 721 may be taken concurrently).

EPY 724 - Psychometrics II Credits 3

Theoretical foundations and practice of item response theory (IRT) in educational and psychological measurement. Topics include one, two, and three parameter IRT models, polytomous IRT models, parameter estimation, models for multidimensional data, linking and equating, and differential item functioning. Prerequisites: EPY 721, EPY 722, EPY 723 (EPY 722 may be taken concurrently).

EPY726-Advanced Evaluation Research Methods Credits 3

Addresses application of evaluation research theory and methods through a project-based curriculum in order to provide in-depth examination of essential elements of the evaluation process. Prerequisites: EPY 716

EPY 728 - Applied Classroom Research Credits 3

Provides students with basic knowledge and skills necessary to conduct research within a classroom. Introduces elements required to begin and conduct an action research project, including purpose/rationale, literature review, data collection, analysis and interpretation, and communicating results. Prerequisites: EPY 702 or EPY 703 and EPY 718

EPY 729 - Qualitative Case Study Research Credits 3

Focuses on case studies within education. Students conduct in-depth, naturalistic case studies in educational settings to learn about theory, methodology, and methodological issues relevant to disciplined qualitative case study. Conducting interviews, data collection, coding, and analysis in a qualitative case study design. Prerequisites: EPY 702 and EPY 718

EPY 730 - Advanced Research Methods Credits 3

Research design principles and practices across quantitative, qualitative, and mixed methods approaches. Topics include developing research questions, identifying empirical foci, establishing a theoretical framework, choosing a methodological design, sampling, and evaluating rigor of research inferences. Prerequisites: EPY 702, EPY 721 and EPY 722.

EPY 731 - Mixed Methods Research Credits 3

This seminar provides an overview and introduction to mixed methods research designs including paradigmatic, practical, and methodological issues associated with the use of mixed methods in educational research. Prerequisites: EPY 702, EPY 718, and EPY 721. Or, permission of instructor.

EPY 732 - Multiple Regression Credits 3

Intermediate-level statistics course including regression models under a general linear modeling framework. Topics include multiple regression/correlation, including simultaneous, sequential, and stepwise regression procedures, regression with continuous and categorical predictors, and regression with interactions and polynomials. Prerequisites: EPY 722

EPY 733 - Multivariate Statistics Credits 3

Advanced-level statistics including commonly used multivariate statistical procedures in educational and behavioral inquiries with computer applications. Prerequisites: EPY 722, EPY 730 (EPY 730 may be taken concurrently).

EPY 734 - Structural Equation Modeling Credits 3

Advanced-level statistics course covering the concepts, statistical theory, and practices of structural equation modeling (SEM). Focus on cross-sectional, single and multiple population models, including path analysis models, confirmatory factor analysis models, and general SEM models for continuous and non-normal outcomes with and without missing data. Prerequisites: EPY 721, EPY 732

EPY 738 - Discourse Analysis Credits 3

Qualitative approaches to text and discourse analysis from different theoretical perspectives will be contrasted. Data from various textual and discourse oriented sources including

narratives, audio and/or video tapes, and written artifacts analyzed in depth through hands-on projects. May include use of software programs specific to qualitative data analysis. Prerequisites: EPY 702 or EPY 703 and EPY 718, or equivalent.

EPY 742 - Language Diversity, Educational Policy & Equity Credits 3

The course surveys language equity in the context of educational policies. Coursework surveys the challenges of developing and implementing equitable policies to address the learning needs of students from diverse linguistic backgrounds.

EPY 745 - Categorical/Nonparametric Data Analysis Credits 3

Introduction to categorical/nonparametric data analysis, for use in small samples or when cases consist of categories or ranks. Topics include contingency tables (including loglinear models), nonparametric tests for ordinal and interval data, logistic and Poisson regression. Notes: Project involving analysis of the student's own research data may be required. Prerequisites: EPY 721, EPY 722

EPY 746 - Multilevel Statistical Models: Theory and Application Credits 3

Intermediate-level coverage of linear and non-linear multilevel statistical models. Includes coverage of status and growth models. Emphasis on intuitive understanding and practical application. Prerequisites: EPY 721, EPY 722, and EPY 732

EPY 747 - Large Scale Secondary Data Analysis Credits 3

Introduction to large scale secondary data analysis. Examination of the promise and pitfalls of working with secondary data sources. Overview of data management and analysis issues. Practical skill development emphasized. Grading Letter grade Prerequisites: EPY 721, EPY 722 and EPY 732

EPY 748 - Capstone Seminar Credits 3

A final seminar for students who have selected the comprehensive examination as the culminating experience. Students will prepare for and complete the comprehensive examination in this seminar. Notes: May be repeated to a maximum of 6 credits. Prerequisites: Completion of 28 of 34 credits required for EPY MS.

EPY 749 - Thesis Credits 3 – 6

Professional paper preparation, including review of literature or similar research effort. Notes: May be repeated but only six credits applied to the student's program. Grading S/F grading only. Prerequisites: EPY 702

EPY 751 - Motivation Theories and Applications in Education Credits 3

Dominant motivational theories in education and focuses on motivational processes associated with human learning. Role of social context in motivational development and predictors and outcomes of motivational constructs. Prerequisites: EPY 702 and EPY 721

EPY 752 - Self-Regulated Learning, Metacognition, and Motivation Credits 3

Theories of self-regulated learning with a focus on cognitive, metacognitive, and motivational processes, their interactions, and their measurement in classroom- and technology-enhanced contexts. Theoretical expertise and knowledge of research examining SRL across ages, domains, and instructional contexts. Prerequisites: EPY 702 or EDH 707, and EPY 721

EPY 757 - Theory and Philosophy of Educational Psychology Credits 3

Evolution of psychological learning theories, from their philosophical foundations to the present. Central issues include how psychological constructs such as the mind, knowledge representation, and attention impact learning and changes in our understanding of the nature of these constructs over time. Prerequisites: Doctoral Standing.

EPY 767 - Human Learning and Cognition Credits 3

Components of human memory and how these components affect learning. Emphasis placed on recent research and theory in working memory and long-term storage. Instructional implications of research discussed, especially with respect to skill acquisition, development of expertise, and cognitive strategy instruction. Prerequisites: Graduate standing.

EPY 768 - Problem Solving and Reasoning Credits 3

Acquisition of reasoning and problem solving expertise. Emphasis on information-processing models, critical thinking, creativity, rational decision making skills, reasoning biases, scientific and probabilistic reasoning, and evaluation of the extent people are capable of rational thinking and discussion. Prerequisites: Graduate standing.

EPY 770 - Cognition and Instruction Credits 3

Examines research in the application of cognitive learning principals to instruction in specific domains, particularly reading, writing, mathematics, and science. Research on technological applications especially emphasized. Readings include both foundational and current research. Prerequisites: Graduate standing.

EPY 772 - Contemporary Philosophies of Education Credits 3

Intensive critical analysis of leading contemporary philosophies of education and their possible implications for practice.

EPY 777 - Cognitive Development Credits 3

Overview of major theories, issues, and research in cognitive development. Primary emphasis on development of thinking and learning from childhood through adulthood. Prerequisites: Graduate standing.

EPY 780 - Individual Instruction Credits 1 – 12

Selected basic problems related to the field of counseling services. a) Testing. b) Curriculum. c) Supervision. d) Counseling. e) Area Problems. f) Research. Notes: May be repeated to a maximum of 12 credits.

EPY 781 - Research in Educational Psychology Credits 3

Individual research projects in educational psychology under the direction of a faculty member. Notes: May be repeated to a maximum of 12 credits. Prerequisites: EPY 702, EPY 721, EPY 722

EPY 782 - Independent Study Credits 3

Independent study of a selected topic in educational psychology under the direction/supervision of a faculty member. Notes: May be repeated to a maximum of 12 credits.

EPY 783 - Directed Readings in Educational Psychology Credits 3

In-depth study of a topic through selected readings under the direction of a faculty member. Notes: May be repeated to a maximum of six credits. Prerequisites: EPY 767

EPY 784 - Teaching Practicum Credits 3

Individual study under the direction of a faculty member focusing on preparing to teach at the college level. Prerequisites: EPY 723 or EPY 767 and consent of instructor.

EPY 786 - Applied Assessment in Educational and School Psychology Credits 1 – 4

Application of assessment approaches used for the evaluation of students in school settings. Notes: May be repeated to a maximum of four credits.

EPY 787 - Individual Research Credits 1 – 7

Selected basic problems in personnel services Prerequisites: EPY 702

EPY 788 - Seminar in EPY Credits 1 – 6

Selected topics in counseling and human development services. a) Principles and practices. b) Individual analysis. c) Occupational information. d) Placement. e) Follow-up evaluation. f) Research. Notes: May be repeated to a maximum of six credits. Prerequisites: Consent of instructor.

EPY 789 - Seminar in Learning and Cognition Credits 3 – 12

Selected topics in learning and cognition. Exploration of a specific aspect of learning and cognition. Topics may include, but are not limited to: memory, learning theory, motivation, text processing, individual differences, epistemological beliefs. Prerequisites; EPY 767 or consent of instructor.

EPY 791 - Special Topics in Educational Psychology Credits 3

In-depth study of special topics in educational psychology stressing the exploration of cutting-edge research on the topic. Topics may include, but are not limited to: false memory, goal theory, self-regulated learning, web-based data collection, discourse analysis. Notes: May be repeated to a maximum of twelve credits Prerequisites: Consent of instructor.

EPY 793 - Advanced Doctoral Practicum Credits 3 – 6

Advanced practice supervised experience for doctoral students in school psychology and counseling. Notes; May be repeated to a total of six credits. Prerequisites: Consent of instructor.

EPY 794 - Internship Credits 3 – 6

Final activity intended to provide on-the-job experience in developing related competencies. Notes: May be repeated to a maximum of six credits. Prerequisites: Consent of instructor.

EPY 799 - Dissertation Credits 3–24

Culminating experience that may be: a) traditional, original research, b) field oriented and problem solving, or c) exploratory or generative research. Limited to doctoral candidates. 3-24 credits in increments of three. Notes: May be repeated but only a maximum of 24 credits may be applied towards degree. Grading S/F grading only.

Teaching and Learning

The Department of Teaching and Learning offers graduate degrees in education at the master's, specialist, and doctoral levels. All Teaching and Learning graduate programs are aimed at providing the professional experiences required by teachers, field supervisors, curriculum specialists, adult educators, and future professors of education who are dedicated to school improvement.

The Ph.D. - Curriculum & Instruction is intended for professional educators who desire to extend and advance knowledge in the theory and practice of education as university professors and researchers. The completion of this degree will enable individuals to become skilled researchers and mentors of university students, as well as leaders in school districts and community agencies.

The Ed.D. - Curriculum & Instruction is intended for professional educators who desire to extend and advance their studies in the theory and practice of education. The completion of this degree will enable individuals to become members of university and college faculties but is particularly suited for individuals in leadership roles within school districts and community agencies.

A separate and unique Ph.D. - Teacher Education is designed for professional educators who have an interest in becoming practitioner-oriented scholars in teacher education and who are interested in teacher education as a content area for research. Completing this degree will enable individuals to answer the national call for teacher educators and researchers in this field. The program is one of only a few in the nation devoted to teacher education.

Alternative Route to Licensure (ARL) is a graduate program in the Department of Teaching and Learning leading to an elementary or secondary teaching license and a master of education (M.Ed.) degree. The ARL program is designed for individuals who hold a bachelor's degree in a field other than education and aspire to become elementary or secondary teachers.

The Educational Specialist - Curriculum & Instruction (Ed.S.) degree program is designed for advanced graduate work beyond the master's degree. The completion of this degree will enable educators to pursue careers as curriculum developers, staff development specialists, school district administrators, and educational consultants.

P.G. Schrader, Ph.D., Chair
Kenneth Varner, Ph.D., Coordinator of
Doctoral Programs (Ph.D., Ed.D. and Ed.S.)
Micah Stohlmann, Ph.D., Graduate
Coordinator (M.Ed. and M.S.)

Teaching and Learning Faculty

Chair

Schrader, P.G. - *Full Graduate Faculty*
Professor; B.S., M.A., Ph.D., University
of Connecticut. Rebel since 2003.

Associate Chair

Shih, Jeffrey - *Full Graduate Faculty*
Professor; B.A., University of California, Berkeley; Ph.D.,
University of California, Los Angeles. Rebel since 1999.

Doctoral Coordinators

Boone, Randall A. - *Full Graduate Faculty*
Professor; B.S., M.S., University of Central Arkansas;
Ph.D.,
University of Oregon. Rebel since 1991.

Graduate Coordinator

Olson, Travis A. - *Full Graduate Faculty*
Associate Professor; B.S., M.S., Western Illinois
University; Ph.D., University of Missouri. Rebel since 2009.

Graduate Faculty

Bickmore, Steven T. - *Full Graduate Faculty*
Associate Professor; B.A., Brigham Young
University; M.A., University of Utah; Ph.D.,
University of Georgia. Rebel since 2015.

Clark, Christine - *Full Graduate Faculty*
Professor; B.A., Franklin and Marshall College; M.Ed., Ed.D.,
University of Massachusetts, Amherst. Rebel since 2007.

Cole, Merryn L. - *Full Graduate Faculty*
Assistant Professor; B.S., University of
Wisconsin-Platteville; M.S., University of
Wisconsin-Whitewater; Ph.D. University
of Kentucky. Rebel since 2017.

Deniz, Hasan - *Full Graduate Faculty*
Professor; B.S., Dokuz Eylul University in Turkey;
M.S., Ph.D., Indiana University. Rebel since 2007.

Grove, Karen - *Associate Graduate Faculty*
Associate Faculty in Residence; B.A.E.,
Wayne State College; M.S., Ph.D., University
of Nevada Las Vegas. Rebel since 2006.

Grubaugh, Steven J. - *Full Graduate Faculty*
Professor; B.A., California State University, Sonoma; M.A.,
Ed.D., University of Northern Colorado. Rebel since 1991.

Gordon, Howard R. - *Full Graduate Faculty*
Professor; Diploma, School of Agriculture,
Jamaica, West Indies; B.S. and M.S., Tuskegee
University; Ed.D., Virginia Polytechnic Institute
and State University. Rebel since 2008.

Hartley, Kendall - *Full Graduate Faculty*
Associate Professor; B.S., Ph.D., University of Nebraska-
Lincoln; M.S., University of Iowa. Rebel since 1999.

Jackson, Iesha - *Full Graduate Faculty*
Assistant Professor; B.A., M.Ed., Arizona
State University; Ph.D. Teachers College,
Columbia University. Rebel since 2017.

Ladd, Sophie - *Associate Graduate Faculty*
Assistant Faculty in Residence; B.S., University
of Nevada, Reno. M.A., Ph.D., University of
Nevada, Las Vegas. Rebel since 2012.

Levitt, Gregory A. - *Full Graduate Faculty*
Professor; B.A., Capitol University; M.A., Ohio State
University; Ph.D., Ohio State University. Rebel since 2001.

Lin, Emily S.Y. - *Full Graduate Faculty*
Professor; B.Ed, M.A., University of British Columbia;
Ph.D., University of Toronto. Rebel since 2002.

Liu, Katrina Yan - *Full Graduate Faculty*
Assistant Professor; B.S., Hunan Normal University;
M.Ed., Beijing Normal University; Ph.D., University
of Wisconsin-Madison. Rebel since 2015.

Marrun, Norma A. - *Full Graduate Faculty*
Assistant Professor; B.A., San Jose State
University; M.A., Univeresity of Utah; Ph.D., University

of Illinois, Urbana-Champaign. Rebel since 2016.

McCarthy, Jane - *Full Graduate Faculty*
Professor; B.A., Douglass College-Rutgers; M.S.,
Florida State University, Tallahassee; Ed.D.,
University of Houston. Rebel since 1991.

McCreery, Michael P. - *Full Graduate Faculty*
Assistant Professor; B.S., M.S., Portland State University;
Ph.D., University of Nevada, Las Vegas. Rebel since 2014.

Quinn, Linda - *Full Graduate Faculty*
Professor; B.S., Portland State University; Ed.D.,
University of Houston. Rebel since 1999.

Scott, Chyllis E. - *Full Graduate Faculty*
Assistant Professor; B.A., Fresno Pacific University;
M.Ed., California State University, Stanislaus;
Ph.D., Texas A&M University. Rebel since 2013.

Speer, William R. - *Full Graduate Faculty*
Professor; B.S., M.Ed., Northern Illinois University;
Ph.D., Kent State University. Rebel since 1996.

Stohlmann, Micah - *Full Graduate Faculty*
Associate Professor; B.A., Concordia University; M.Ed.,
Ph.D., University of Minnesota. Rebel since 2012.

Tettegah, Sharon Y. - *Full Graduate Faculty*
Professor; B.A., M.A., University of California,
Davis; Ph.D., University of California,
Santa Barbara. Rebel since 2015.

Vo, Tina. - *Full Graduate Faculty*
Assistant Professor; B.A. Illinois State University;
M.A., University of Iowa; Ph.D., University of
Nebraska-Lincoln. Rebel since 2018.

Wiens, Peter - *Full Graduate Faculty*
Assistant Professor; B.A., Goshen College;
M.A., Michigan State University; Ph.D.
University of Virginia. Rebel since 2017.

Xing, Xue (Cher) - *Full Graduate Faculty*
Assistant Professor; B.S., Tongji University; Ph.D.
University of Georgia. Rebel since 2016.

Zhang, Shaoan - *Full Graduate Faculty*
Associate Professor; B.A., M.A., Hebei Normal University;
Ph.D., Old Dominion University. Rebel since 2007.

Plans

Conditional Licensure Certificate For Elementary Teaching

Conditional Licensure Certificate For Secondary Teaching

Graduate Certificate in Career and Technical Education

Graduate Certificate In Global Teaching

Graduate Certificate In Global Teaching Research

Graduate Certificate in K-8 Integrated STEM Education

Graduate Certificate in Leadership for Teachers and
Professionals

Graduate Certificate in Multicultural Education

Graduate Certificate in Online Teaching and Training

Graduate Certificate in Social Justice Studies

Education Specialist - Curriculum & Instruction

Master of Education - Curriculum & Instruction

Master of Science - Curriculum & Instruction

Doctor of Philosophy - Curriculum & Instruction

Doctor of Philosophy - Teacher Education

Doctor of Education - Curriculum & Instruction

Conditional Licensure Certificate For Elementary Teaching

Plan Description

The Conditional Licensure Certificate for Elementary Teaching program is a graduate certificate program designed for individuals who want to acquire elementary school teaching knowledge, skills and dispositions to meet the needs or demands of teaching in elementary schools. The certificate program is suitable for students with no prior elementary background.

The certificate provides candidates with meeting conditional licensure course requirements so that they may eligible for hire in Nevada. Please note that in order to be eligible for hire in Nevada, candidates must also meet testing and other requirements beyond this coursework.

For more information about your program, including your graduate program handbook and learning outcomes, please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

Each applicant for admission to the Graduate Certificate in Elementary Teaching program must comply with Graduate College requirements for admission. In addition to meeting the requirements of the Graduate College, applicants must also meet the requirements establish by the Department of Teaching and Learning:

1. Hold at least a Bachelor's degree in a field other than education.
2. Pass the Praxis Core (Reading, Writing, and Math).
3. Be accepted to the UNLV Graduate College.
4. Must pass Praxis II.

All applicants must review and follow the Graduate College Admission and Registration Requirements.

Students are accepted into a certificate program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

Total Credits Required: 12

Course Requirements

Core Courses – Credits: 12

- CIE 508 - Classroom Management Elementary Education

- CIE 601 - Elementary Teacher Development Seminar
- CIL 542 - Literacy Instruction I
- CIL 621 - Assessment in Literacy

Certificate Requirements

1. Acceptance to the Conditional Licensure Certificate for Elementary Teaching program.
2. Completion of 12 Credit hours in the Certificate required courses with an overall GPA of 3.0.
3. Students in certificate programs would be subject to the continuous enrollment policy. Non-compliance to this enrollment policy will result in the separation from the certificate program.
4. No more than one grade of less than B- will be permitted in the Certificate Program of Study.

Plan Certificate Completion Requirements

1. The Certificate program requires all coursework as outlined on the Certificate Program of Studies for a total of 12 semester credit hours (in the Certificate required courses). Students must complete a minimum of 12 credit hours of Graduate Certificate in Elementary Teaching program courses.
2. Students must earn a “B” or better on the primary assignments.
3. A grade point average of at least 3.00 for course work required for the certificate. No more than one course with a grade lower than a B- will be permitted in the Certificate Program of Study.
4. Students with unsatisfactory progress toward the certificate requirements are subject to dismissal. A student with a grade of C or lower in any of the required courses will be put on probation for one semester. A student with a grade below a C will be required to retake the course. Conditions and deadlines for the removal of probation will be specified. Failure to meet the condition will result in separation from the program. A student with two grades of C or lower will be dropped from the program.
5. Students in the certificate program would be subject to the continuous enrollment policy. They would have to enroll in at least six credits each in consecutive semesters (including summer).
6. The student must submit all required forms to the Graduate College and then apply for graduation in MyUNLV by the appropriate deadline.

Conditional Licensure Certificate For Secondary Teaching

Plan Description

The Conditional Licensure Certificate for Secondary Teaching program required coursework will adhere to the

InTASC standards enacted by CCSSO (2011) and/or the standards enacted by each national association of the content area. Partnerships involves field placement and mentoring.

The certificate provides candidates with meeting conditional licensure course requirements so that they may eligible for hire in Nevada. Please note that in order to be eligible for hire in Nevada, candidates must also meet testing and other requirements beyond this coursework.

For more information about your program, including your graduate program handbook and learning outcomes, please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

Each applicant for admission to the Graduate Certificate in Secondary Teaching program must comply with Graduate College requirements for admission. In addition to meeting the requirements of the Graduate College, applicants must also meet the requirements establish by the Department of Teaching and Learning:

1. Hold at least a Bachelor’s degree in a field other than education.
2. Pass the Praxis Core (Reading, Writing, and Math).
3. Be accepted to the UNLV Graduate College.
4. Must pass Praxis II in appropriate subject areas (eg., English, Math, Science, etc.).

All applicants must review and follow the Graduate College Admission and Registration Requirements.

Students are accepted into a certificate program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

Total Credits Required: 12

Course Requirements

Core Courses – Credits: 9

- CIS 602 - Secondary School Practicum
- CIS 603 - Secondary Process and Instruction
- CIS 604 - Secondary Classroom Management

Secondary Subjects Courses – Credits: 3

Complete 3 credits from the following list of courses:

- CIS 533 - Teaching Secondary English
- CIS 553M - Teaching Middle School Mathematics
- CIS 553S - Teaching Secondary Mathematics
- CIS 563 - Teaching Secondary Science

- CIS 573 - Teaching Secondary Social Studies

Certificate Requirements

1. Acceptance to the Conditional Licensure Certificate for Secondary Teaching program.
2. Completion of 12 Credit hours in the Certificate required courses with an overall GPA of 3.0.
3. Students in certificate programs would be subject to the continuous enrollment policy. Non-compliance to this enrollment policy will result in the separation from the certificate program.
4. No more than one grade of less than B- will be permitted in the Certificate Program of Study.

Plan Certificate Completion Requirements

1. The Certificate program requires all coursework as outlined on the Certificate Program of Studies for a total of 12 semester credit hours (in the Certificate required courses). Students must complete a minimum of 12 credit hours of Graduate Certificate in Secondary Teaching program courses.
2. Students must earn a “B” or better on the primary assignments.
3. A grade point average of at least 3.00 for course work required for the certificate. No more than one course with a grade lower than a B- will be permitted in the Certificate Program of Study.
4. Students with unsatisfactory progress toward the certificate requirements are subject to dismissal. A student with a grade of C or lower in any of the required courses will be put on probation for one semester. A student with a grade below a C will be required to retake the course. Conditions and deadlines for the removal of probation will be specified. Failure to meet the condition will result in separation from the program. A student with two grades of C or lower will be dropped from the program.
5. Students in the certificate program would be subject to the continuous enrollment policy. They would have to enroll in at least six credits each in consecutive semesters (including summer).
6. The student must submit all required forms to the Graduate College and then apply for graduation in MyUNLV by the appropriate deadline.

Graduate Certificate in Career and Technical Education

Plan Description

The Graduate Certificate in Career and Technical Education is ideal for those who have specific occupation knowledge and skills and would like to seek professional advancement in the field of career and technical education; or those who require professional knowledge courses for Nevada

CTE certification. The Graduate Certificate in Career and Technical Education combines career and technical education teaching methodology with practical knowledge of curriculum development and techniques for advising student organizations. By completion of the Certificate, students will have the knowledge and skills for curriculum development and instruction implementation in their occupational area.

This certificate may be pursued and completed concurrently with a degree program or as a stand-alone certificate. Graduate degree-seeking students who are already admitted to and pursuing degrees in other disciplines (outside teaching and learning) are eligible to apply for the Graduate Certificate in Career and Technical Education.

For more information about your program, including your graduate program handbook and learning outcomes, please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

- Students must have a Bachelor’s degree in any field to apply for this certificate.
- Qualified students must apply for admission to the Graduate College via the online application portal.
- All minimum Graduate College requirements MUST be met.

Students are accepted into a certificate program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

Total Credits: 12

Course Requirements

Required Courses – Credits: 12

- EDW 539 - Methods of Teaching in Workforce Education
- EDW 571 - Advising Career and Technical Student Organizations (CTSO)
- EDW 575 - Performance-Based Education
- EDW 733 - Workforce Education Curriculum and Program Development

Certificate Requirements

Students must earn an overall GPA of 3.0 or higher in all courses for the certificate.

Plan Certificate Completion Requirements

Certificate will be awarded upon the student’s successful completion of all certificate requirements.

Graduate Certificate In Global Teaching

Plan Description

The Graduate Certificate for Global Teaching prepares students with the knowledge, skills and dispositions to teach in International Baccalaureate World schools in Nevada and around the world.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

Applicants must hold a Bachelor's Degree from an accredited University.

All applicants must review and follow the Graduate College Admission and Registration Requirements.

Plan Requirements

Total Credits Required: 20

Course Requirements

Required Courses – Credits: 20

- CIG 605 - Elementary and Secondary Methods and Assessments for Global Teaching
- CIG 608 - Field Experience in International Baccalaureate School
- CIG 609 - Residency in International Baccalaureate School
- CIG 681 - Curriculum Implementation and Innovation
- CIG 688 - Teaching and Learning Seminar

Certificate Requirements

In order to meet IB certification requirements, candidates must complete their fieldwork requirements in IB approved schools. Students may need to relocate to other sites in order to meet this fieldwork requirement. Students unable to meet this fieldwork requirement are not eligible for IB certification.

Complete all program requirements with a minimum 3.5 GPA.

Certificate Completion Requirements

The student must submit all required forms to the Graduate College and then apply for graduation in MyUNLV by the appropriate deadline.

Graduate Certificate In Global Teaching Research

Plan Description

The Graduate Certificate in Global Teaching Research has a strong focus on systematic and rigorous educational inquiry. The certificate program requires participants to ground their inquiry in issues relating to international

education. Participants will have the opportunity to identify their own areas of inquiry within the context of their current practice and will critically engage with the relevant bodies of literature and contemporary research. Participants will design and conduct one or more research studies.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

1. Applicants must hold a bachelor's degree from an accredited university and hold an International Baccalaureate Certificate in Global Teaching or equivalent.

2. CV/Resume

All applicants must review and follow the Graduate College Admission and Registration Requirements.

Plan Requirements

Total Credits Required: 12

Course Requirements

Required Courses – Credits: 12

- CIG 686 - Teachers and Professionals as Change Agents
- CIG 688 - Teaching and Learning Seminar
- CIG 690 - Teachers as Action Researchers
- EPY 702 - Research Methods

Certificate Requirements

Complete all program requirements with a minimum 3.5 GPA.

Certificate Completion Requirements

The student must submit all required forms to the Graduate College and then apply for graduation in MyUNLV by the appropriate deadline.

Graduate Certificate in K-8 Integrated STEM Education

Plan Description

The Graduate Certificate in K-8 Integrated STEM Education is designed for individuals in pursuit of professional advancement in the field of STEM Education at the K-8 level. The certificate enables students to advance in their knowledge of methods for integrating STEM subjects, curriculum available for STEM integration, research done on integrated STEM education, and content knowledge of mathematics and science needed to effectively facilitate integrated STEM education learning.

Plan Admission Requirements

All applicants must review and follow the Graduate College Admission and Registration Requirements, and

provide evidence of a standard teaching license.

Plan Requirements

Total Credits Required: 12

Course Requirements

- CIE 621 Integrated STEM education mathematics content
- CIE 631 Integrated STEM education science content
- CIE 633 Integrated STEM education methods
- CIE 634 Integrated STEM education curriculum and research

Certificate Requirements

Students must earn a cumulative GPA of 3.0 or higher from all courses for the certificate.

Certificate Completion Requirements

The student must submit all required forms to the Graduate College and then apply for graduation in MyUNLV by the appropriate deadline.

Graduate Certificate in Leadership for Teachers and Professionals

Plan Description

The purpose of the Leadership for Teachers and Professionals Certificate is to develop building-level leaders who want to lead without leaving the classroom. Leaders will be prepared to assist their schools with data literacy, peer coaching, and working with urban student populations.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

Students are accepted into a certificate program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

Total Credits Required: 12

Course Requirements

Required Courses – Credits: 12

- CIG 603 - Urban Education
- CIG 684 - Data Literacy for Teacher and Professional Leaders
- CIG 685 - Peer Assistance and Review
- CIG 687 - Coaching High-Leverage Field Practices

Certificate Requirements

Accepted students must earn a “B” or better in all courses.

Plan Certificate Completion Requirements

Certificates will be awarded upon students’ successful completion of all certificate requirements.

Graduate Certificate in Multicultural Education

Plan Description

The Graduate Certificate in Multicultural Education (GCME) targets full- or part-time graduate students who seek academic preparation in multicultural education in order to build/improve their capacity for working well/effectively with diverse populations.

There are two options in this certificate: one is a non-recertification option, the other is a recertification option. Both options target full- or part-time graduate students who have completed an undergraduate teacher education licensure program, and/or an alternative route to licensure program, in which multicultural education coursework (or related content (e.g., cultural diversity, cultural competency, etc.) was not a significant part of the program to build/improve their capacity for working well/effectively with diverse PK-12 student populations and their families.

The difference between the non-recertification and recertification options is one course; certificate students who do not want or do not yet have a Nevada teaching license, or who have been licensed teachers in the state of Nevada for less than 5 years, will take the CME 600 core multicultural education course, and those who have been licensed for 5 years or more and need to fulfill the state relicensure requirements will take the CME 610 core multicultural education course for teacher relicensure [students should opt for CME 610/the recertification option in consultation with the Nevada Department of Education and based on when they need to renew their license]. Through passage of AB234, all state licensed teachers are required to take 6 additional graduate credits after 5 years of teaching to qualify for licensure recertification. Of these 6 credits, 3 must be in multicultural education; accordingly, the Graduate Certificate in Multicultural Education is also a pathway for in-service professionals opting to pursue that licensure recertification to secure one of the course requirements for it.

Though the GCME targets full- or part-time graduate students who have completed an undergraduate teacher education licensure program, and/or an alternative route to licensure program, students need not be licensed to take the certificate but should be aware that this is not a licensure program.

For more information about your program, including your graduate program handbook and learning outcomes, please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

All applicants must review and follow the Graduate College Admission and Registration Requirements.

Qualified students must apply for admission to the Graduate College via the online application. All minimum Graduate College requirements MUST be met. In addition to the Graduate College requirements, GCME applicants must also complete and submit a résumé/vita and a 250-750 word personal statement detailing their interest in the GCME.

Applications for admission into the Graduate Certificate in Multicultural Education are accepted for any term. Acceptance may be limited based on course enrollments.

Students are accepted into a certificate program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

Total Credits Required: 12

Course Requirements

Required Courses – Credits: 9

- CME 725 - Current Topics in Multicultural Education
- CME 745 - Theory and Research in Multicultural Education
- CME 735 - Multicultural Curriculum Transformation

Elective Course – Credits: 3

Complete one of the following courses:

- CME 705 - Multicultural Education
- CME 715 - Multicultural Education For Teacher License Recertification

Certificate Requirements

Accepted students must earn a B or better in all courses.

Plan Certificate Completion Requirements

The student must submit all required forms to the Graduate College and then apply for graduation in MyUNLV by the appropriate deadline.

Graduate Certificate in Online Teaching and Training

Plan Description

The certificate in Online Teaching and Training is offered as a sequence of courses that includes both conceptual and strategic implementation foci. The audience will include K-12 teachers, university instructors and professors, and business and industry trainers. Completion of the

218 Graduate Catalog • College of Education

certificate program will provide educators and trainers with improved ability in their online teaching, training, and professional development.

For more information about your program, including your graduate program handbook and learning outcomes, please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

All applicants must review and follow the Graduate College Admission and Registration Requirements.

Students are accepted into a certificate program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

Total Credits Required: 12

Course Requirements

Required Courses – Credits: 12

- CIT 609 - Internet for Learning
- CIT 643 - Designing Digital Materials for Education
- CIT 647 - Creating Online Learning Environments
- CIT 648 - Issues and Methods in Online Learning

Certificate Requirements

This certificate is not a degree. Twelve credit hours in the specified courses with a B or better grade is required.

Plan Certificate Completion Requirements

The student must submit all required forms to the Graduate College and then apply for graduation in MyUNLV by the appropriate deadline.

Graduate Certificate in Social Justice Studies

Plan Description

The graduate certificate in Social Justice Studies (SJS) targets full- or part-time graduate students who seek professional preparation commensurate with the relevant Transformative Standards for Social Justice, Peace, and Environmental Education codified by Andrzejewski, Baltodano, & Symcox in 2009.

For more information about your program, including your graduate program handbook and learning outcomes, please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

Qualified students must apply for admission to the Graduate College via the online application.

Applicants must complete and submit a résumé / vita.

Applicants must complete and submit a 250-750 word personal statement detailing their interest in the SJS certificate.

All applicants must review and follow the Graduate College Admission and Registration Requirements.

Students are accepted into a certificate program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

Total Credits Required: 18

Course Requirements

Required Courses – Credits: 3

- CME 700 - Social Justice Education

Additional Required Courses – Credits: 6

Choose One (1) 600 level or above WMST, AAS, AIS, AUS, LAS, IDS course focused on social justice (i.e., race and ethnic relations, social stratification, social movements/social change, political sociology, gender and sexual politics, etc.). Choose One (1) 600 level or above Sociology course focused on social justice (i.e., race and ethnic relations, social stratification, social movements/social change, political sociology, etc.). The Sociology and IGES courses selected to fulfill these additional required course credits cannot be applied to also fulfill the elective course credits delineated below.

Elective Courses – Credits: 9

Choose from the following list of courses (no more than 6 credits in the same content area):

- AAS 636 - Politics of Racial Ambiguity
- CME 720 - International and Comparative Studies in Education
- CME 710 - Cultural Studies in Education
- CIG 773 - Critical Literacies/Critical Pedagogies
- CME 705 - Multicultural Education
- CME 725 - Current Topics in Multicultural Education
- CME 745 - Theory and Research in Multicultural Education
- EDH 609 - Leading Diverse Organizations
- EDH 714 - Understanding Minority Serving Institutions
- HIST 638A - American Indian History to 1851
- HIST 638B - Ethnohistory of Native Americans Since

1851

- HIST 638C - Topics in American Indian History
- HIST 695 - Special Topics in Gender and History
- HIST 754 - Topics in Public History
- SOC 774 - Seminar in Feminist Theories and Research
- SOC 779 - Seminar in Sociology of Aging
- SOC 780 - Aging and Social Policy
- SOC 768 - Environmental Sociology
- SOC 748 - Gender, Sex, Society
- SOC 750 - Seminar in the Sociology of Sex
- SOC 751 - International Issues: Gender, Sex, Globalization
- SOC 752 - Global Migrations
- SOC 753 - Racial Justice and Latina/os
- SOC 745 - The Family-Work Nexus
- SOC 714 - Seminar in Work and Occupations
- SOC 682 - Aging and Social Policy
- SOC 665 - Collective Behavior
- SOC 671 - Race and Ethnic Relations in America
- SOC 675 - Political Sociology
- SOC 678 - Women and Society
- SOC 649 - Sex and Social Arrangements
- SOC 653 - Gender and Society
- SOC 655 - Social Movements and Social Change
- SOC 660 - Critical Sociology
- SOC 641 - Social Inequality
- SOC 645 - Men in Society
- SOC 615 - World Population Problems
- SOC 616 - Sociology of Work and Occupations
- SOC 627 - Comparative Racial and Ethnic Relations
- SOC 629 - Globalization: Economic, Political, and Cultural Perspectives
- SOC 607 - Environment and Society
- SOC 610 - Sociology of Aging
- WMST 702 - Principles of Feminist Inquiry
- WMST 703 - Feminist Pedagogy
- WMST 799 - Independent Study
- WMST 690 - Special Topics
- WMST 700 - Introduction to Women's Studies
- WMST 701 - Feminist Theory
- WMST 601 - Feminist Theories

- WMST 632A - History of American Women to 1870
- WMST 632B - History of American Women Since 1870
- WMST 672 - Controversies in Gender and Race
- WMST 674 - Gender, Sexuality, and Consumer Culture
- AAS 633 - Contemporary Issues in African American Studies
AAS 634 - Constructions of Racial Ambiguity
AAS 635 - Malcolm X
ETS 603 - The Hispanic in the United States
ETS 607 - Making Gender, Sexuality & Race
- SOC 741 - Graduate Seminar in Social Stratification
- SOC 755 - Social Movements and Social Change
- SOC 770 - Racial and Ethnic Relations
- SOC 776 - Seminar in Political Sociology
- WMST 673 - Chicana Feminism and Experience
- WMST 676 - Feminism and Activism
- WMST 677 - Critical Race Feminism
- CME 715 - Multicultural Education For Teacher License Recertification
- CME 770 - Critical Inquiry and Praxis
- CME 735 - Multicultural Curriculum Transformation
- CME 775 - Multicultural Organizational Development
- CME 755 - Teaching about Latina/Latino Experiences in Education
- CME 730 - Intersectional Analysis in Multicultural Education
- CME 740 - Intergroup Dialogue Facilitation
- CME 750 - Critical Multicultural Education
- CME 760 - Critical Race Theory in Education

Certificate Requirements

Students must earn a B or better in all courses.

Plan Certificate Completion Requirements

Students must submit all required forms to the Graduate College and then apply for graduation in MyUNLV by the appropriate deadline.

Certificates will be awarded upon the student's successful completion of all certificate requirements and graduation application.

Education Specialist - Curriculum & Instruction

Plan Description

The Ed.S. degree program is designed for individuals who possess the ability and desire to pursue advanced
220 Graduate Catalog • College of Education

graduate work beyond the master's level.

For more information about your program, including your graduate program handbook and learning outcomes, please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

In addition to the credentials required by the Graduate College, admission to the Ed.S. program in Curriculum and Instruction also requires the students:

1. Hold a master's degree in education or in a field related to education.
2. Present evidence of a minimum of two years of professional experience appropriate to the selected concentration.
3. Have a minimum GPA of 3.00 in all graduate-level course work.
4. Submit an on-line application to the Graduate College.
5. Submit satisfactory test results from the Graduate Record Exam (GRE General Exam) to the C&I Department.
6. The online application must include a one- to two-page statement of professional goals. The names with contact information of two professional references and intended emphasis area should be included in the statement.
7. Two sets of official transcripts from all previously attended colleges and universities. One set of transcripts must be sent directly to the Graduate College; the other set must be sent directly to the T&L main office.

Applicants will be evaluated on scholastic record, professional accomplishments, and potential for advanced studies. Applicants may be asked to meet with a Graduate Admissions Committee for a formal interview.

All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

Total Credits Required: 33

Course Requirements

Research Required Courses – Credits: 6

Complete two of the following courses:

- CIG 790 - Doctoral Research Seminar

- EPY 718 - Qualitative Research Methodologies
- EPY 721 - Descriptive and Inferential Statistics: An Introduction

Area of Emphasis Courses – Credits: 15

Complete 15 credits of advisor-approved emphasis-area courses within and/or outside the department. Students may fulfill these credits via directed study.

Cognate Courses – Credits: 9

Complete 9 credits of advisor-approved courses in an area of study which enhances the major area of emphasis. Cognate courses may be taken in the Department of Teaching and Learning or other departments at UNLV.

Culminating Experience – Credits: 3

- CIG 698 - Curriculum and Instruction Professional Paper/Project

Degree Requirements

1. Students must complete a minimum of 33 credit hours with a minimum GPA of 3.00.
2. Students must complete a written comprehensive examination and/or oral presentation of a special project or professional paper.

Plan Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
2. The student must successfully complete a culminating experience.

Master of Education - Curriculum & Instruction

Plan Description

The Department holds as its central mission the preparation and development of educators at all levels. The department ensures that its professional education programs are based on essential knowledge, established and current research findings, and sound professional practice.

The Department offers M.Ed. subplans for those interested in completing a Master's degree and meeting requirements for a teaching license through the Alternative Route to Licensure (ARL) or Teach For America (TFA) subplans. Subplan 1, Professional Studies, is mostly for teachers with a standard teaching license. For the following emphasis areas a standard teaching license is not required for admission: Career & Technical and Postsecondary Education, Educational Technology, or Multicultural Education. Students can also earn a Master's degree in some content areas through a partnership with the Regional Professional Development Program (RPDP).

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

In addition to meeting the admission requirements of the Graduate College, applicants must also meet the requirements established by the Department of Teaching and Learning. They are:

1. An overall undergraduate grade point average (GPA) of 3.00 is required for admission. Students with a GPA of less than 3.00 but greater or equal to 2.75 may be admitted to the graduate program upon review of the Admissions Committee.
2. A completed on-line application for admission submitted to the Graduate College through the Grad Rebel Gateway.
3. A one-to two-page letter of intent of professional goals and rationale for pursuing the degree. For subplan 1, in the letter of intent please state the emphasis area you are interested in. (The letter of intent is uploaded in the online application).
4. The names and contact information of two professional references are required in the online application. The professional references will be contacted to submit a letter of recommendation.
5. Unofficial or official transcripts from all previously attended colleges and universities will need to be submitted in the online application. Official transcripts are required once given an offer of admission into the program.
6. For the Alternative Route to Licensure (ARL) subplans, applicants have additional requirements including passing Praxis test scores. (See <https://www.unlv.edu/education/arl-programs> for details). Teach For America subplans also require passing Praxis test scores and prospective TFA students will be provided information on this from the Teach For America organization.

Applications are processed when all credentials required by both the Graduate College and the Teaching and Learning department have been received. Once received, materials are forwarded to the Graduate Coordinator and the Teaching and Learning Master's Admission Committee to evaluate the applicant's credentials and recommend acceptance or denial into the program.

The Graduate College will send official notification regarding the status of applications through the Grad Rebel Gateway. In addition, an email will be sent from the department of Teaching and Learning identifying an academic advisor. Students are responsible for contacting their advisors upon admission to the program. All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.

Students are accepted into a degree program as described

in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

See Subplan Requirements below.

Subplan 1: Professional Studies Track

Subplan 2: Elementary Education Alternative Route to Licensure (ARL) Track

Subplan 3: Elementary Education Teach for America (TFA) Track

Subplan 4: Secondary English Education ARL Track

Subplan 5: Secondary Math Education ARL Track

Subplan 6: Secondary Science Education ARL Track

Subplan 7: Secondary Social Studies Education ARL Track

Subplan 8: Secondary English Language Arts Education TFA Track

Subplan 9: Secondary Mathematics Education TFA Track

Subplan 10: Secondary Science Education TFA Track

Subplan 11: Secondary Social Studies Education TFA Track

Subplan 1 Requirements: Professional Studies Track

Total Credits Required: 37

Course Requirements

Research Course – Credits: 3

Complete one of the following courses:

- CIG 690 - Teachers as Action Researchers
- EPY 702 - Research Methods

Foundations Course – Credits: 3

Complete one of the following courses:

- CIG 603 - Urban Education
- CME 705 - Multicultural Education
- EPY 707 - Adolescent Development
- EPY 711 - Human Growth and Development
- EPY 712 - Foundations of Learning and Cognition
- Curriculum and Instruction Course – Credits: 3
- Complete one of the following courses
- CIE 685 - Elementary Education Curriculum
- CIE 681 - Elementary School Instruction
- CIE 683 - Elementary Classroom Management
- CIG 602 - Differentiated Curriculum and Instruction
- CIS 682 - Secondary School Instruction
- CIS 684 - Secondary Education Curriculum

Core Emphasis Area Courses – Credits: 27

222 Graduate Catalog • College of Education

600 or 700 level advisor approved courses from within or outside the department and/or via RPDP (Regional Professional Development Program) linked approved UNLV classes. RPDP courses must be approved by the faculty advisor and graduate coordinator. Not all RPDP courses count.

Emphasis areas:

- English Language Arts
- Literacy Education
- Literacy Specialist
- Mathematics Education
- K-8 Integrated STEM Education
- Science Education
- Social Studies Education
- Secondary Education
- Elementary Education
- Leadership for Teachers and Professionals
- Children's and Young Adult Literature
- Career and Technical Postsecondary Education -
- Multicultural Education
- Educational Technology

Culminating Experience – Credits: 1

- CIG 697 - Curriculum and Instruction Culminating Experience

Degree Requirements

See Plan Degree Requirements below.

Graduation Requirements

The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.

Subplan 2 Requirements: Elementary Education Alternative Route to Licensure Track

Total Credits Required: 37

Course Requirements

Research Course – Credits: 3

Complete one of the following courses:

- CIG 690 - Teachers as Action Researchers
- EPY 702 - Research Methods

Foundations Course – Credits: 3

- CME 705 - Multicultural Education
- Curriculum and Instruction Course – Credits: 3
- CIE 685 - Elementary Education Curriculum
- Pedagogy Courses – Credits: 15
- CIE 601 - Elementary Teacher Development Seminar
- CIT 601 - Technology Applications Elementary Curriculum
- CIL 621 - Assessment in Literacy

- ESP 701 - Introduction to Special Education and Legal Issues

- TESL 752 - Methods and Curriculum for Teaching ELs
Elementary Methods Courses – Credits: 12

Complete four of the following courses:

- CIE 508 - Classroom Management Elementary Education
- CIE 533 - Teaching Elementary School Mathematics
- CIE 543 - Teaching Elementary School Science
- CIE 553 - Teaching Elementary School Social Studies
- CIL 501 - Children's Literature Elementary School Curriculum
- CIL 542 - Literacy Instruction I
- CIL 543 - Literacy Instruction II: Clinic-based
- ESP 730 - Parent Involvement in Special and General Education

Culminating Experience – Credits: 1

- CIG 697 - Curriculum and Instruction Culminating Experience

Subplan Note: These courses are only for the M.Ed. portion of the Alternative Route to Licensure program. Additional requirements exist that do not count towards the master's degree that are required for licensure. (See the following for more detail <https://www.unlv.edu/education/arl-programs>)

Degree Requirements

See Plan Degree Requirements below.

Graduation Requirements

See Plan Graduation Requirements below.

Subplan 3 Requirements: Elementary Education TFA Track

Total Credits Required: 37

Course Requirements

Required Courses – Credits: 33

Complete these courses:

- CIE 533 - Teaching Elementary School Mathematics
- CIE 543 - Teaching Elementary School Science
- CIE 553 - Teaching Elementary School Social Studies
- CIE 685 - Elementary Education Curriculum
- CME 705 - Multicultural Education
- CIL 542 - Literacy Instruction I
- CIL 621 - Assessment in Literacy
- CIL 680 - Contemporary Literature Children and Young Adults

- ESP 701 - Introduction to Special Education and Legal Issues

- ESP 730 - Parent Involvement in Special and General Education

- TESL 752 - Methods and Curriculum for Teaching ELs
Research Course – Credits: 3

Complete one of the following courses:

- CIG 690 - Teachers as Action Researchers
- EPY 702 - Research Methods

Culminating Experience – Credits: 1

- CIG 697 - Curriculum and Instruction Culminating Experience

Subplan Note: These courses are only for the M.Ed. portion of this program. Additional requirements exist that do not count towards the master's degree that are required for licensure.

Degree Requirements

See Plan Degree Requirements below.

Graduation Requirements

See Plan Graduation Requirements below.

Subplan 4 Requirements: Secondary English Education ARL Track

Total Credits Required: 37

Course Requirements

Research Course – Credits: 3

Complete one of the following courses:

- CIG 690 - Teachers as Action Researchers
- EPY 702 - Research Methods

Foundations Course – Credits: 3

- CME 705 - Multicultural Education

Curriculum and Instruction Course – Credits: 3

- CIS 684 - Secondary Education Curriculum

Pedagogy Courses – Credits: 18

- CIS 602 - Secondary School Practicum
- CIS 603 - Secondary Process and Instruction
- CIS 604 - Secondary Classroom Management
- ESP 701 - Introduction to Special Education and Legal Issues
- ESP 730 - Parent Involvement in Special and General Education
- TESL 752 - Methods and Curriculum for Teaching ELs

Methods and Assessment – Credits: 6

- CIS 533 - Teaching Secondary English

- CIL 621 - Assessment in Literacy

Technology Course – Credits: 3

- CIT 602 - Technology Applications Secondary Curriculum

Culminating Experience – Credits: 1

- CIG 697 - Curriculum and Instruction Culminating Experience

Subplan Note: These courses are only for the M.Ed. portion of the Alternative Route to Licensure program. Additional requirements exist that do not count towards the master's degree that are required for licensure. (See the following for more detail <https://www.unlv.edu/education/arl-programs>)

Degree Requirements

See Plan Degree Requirements below.

Graduation Requirements

See Plan Graduation Requirements below.

Subplan 5 Requirements: Secondary Math Education ARL Track

Total Credits Required: 37

Course Requirements

Research Course – Credits: 3

Complete one of the following courses:

- CIG 690 - Teachers as Action Researchers
- EPY 702 - Research Methods

Foundations Course – Credits: 3

- CME 705 - Multicultural Education

Curriculum & Instruction Course - Credits: 3

- CIS 684 - Secondary Education Curriculum

Pedagogy Courses – Credits: 18

- CIS 602 - Secondary School Practicum
- CIS 603 - Secondary Process and Instruction
- CIS 604 - Secondary Classroom Management
- ESP 701 - Introduction to Special Education and Legal Issues
- ESP 730 - Parent Involvement in Special and General Education
- TESL 752 - Methods and Curriculum for Teaching ELs

Methods and Assessment – Credits: 6

Complete two of the following courses:

- CIS 553S - Teaching Secondary Mathematics
- CIG 621 - Diagnostic Assessment School Mathematics

Technology Course – Credits: 3

- CIT 602 - Technology Applications Secondary Curriculum

Culminating Experience – Credits: 1

- CIG 697 - Curriculum and Instruction Culminating Experience

Subplan Note: These courses are only for the M.Ed. portion of the Alternative Route to Licensure program. Additional requirements exist that do not count towards the master's degree that are required for licensure. (See the following for more detail <https://www.unlv.edu/education/arl-programs>)

Degree Requirements

See Plan Degree Requirements below.

Graduation Requirements

See Plan Graduation Requirements below.

Subplan 6 Requirements: Secondary Science Education ARL Track

Total Credits Required: 37

Course Requirements

Research Course – Credits: 3

Complete one of the following courses:

- CIG 690 - Teachers as Action Researchers
- EPY 702 - Research Methods

Foundations Course – Credits: 3

- CME 705 - Multicultural Education

Curriculum and Instruction Course – Credits: 3

- CIS 684 - Secondary Education Curriculum

Pedagogy Courses – Credits: 18

- CIS 602 - Secondary School Practicum
- CIS 603 - Secondary Process and Instruction
- CIS 604 - Secondary Classroom Management
- ESP 701 - Introduction to Special Education and Legal Issues
- ESP 730 - Parent Involvement in Special and General Education
- TESL 752 - Methods and Curriculum for Teaching ELs

Methods and Assessment – Credits: 6

- CIS 563 - Teaching Secondary Science
- EPY 709 - Classroom Assessment

Technology Course – Credits: 3

- CIT 602 - Technology Applications Secondary Curriculum

Culminating Experience – Credits: 1

- CIG 697 - Curriculum and Instruction Culminating

Experience

Subplan Note: These courses are only for the M.Ed. portion of the Alternative Route to Licensure program. Additional requirements exist that do not count towards the master's degree that are required for licensure. (See the following for more detail <https://www.unlv.edu/education/arl-programs>)

Degree Requirements

See Plan Degree Requirements below.

Graduation Requirements

See Plan Graduation Requirements below.

Subplan 7 Requirements: Secondary Social Studies Education ARL Track

Total Credits Required: 37

Course Requirements

Research Course – Credits: 3

Complete one of the following courses:

- CIG 690 - Teachers as Action Researchers
- EPY 702 - Research Methods

Foundations Course – Credits: 3

- CME 705 - Multicultural Education

Curriculum and Instruction Course – Credits: 3

- CIS 684 - Secondary Education Curriculum

Pedagogy Courses – Credits: 18

- CIS 602 - Secondary School Practicum
- CIS 603 - Secondary Process and Instruction
- CIS 604 - Secondary Classroom Management
- ESP 701 - Introduction to Special Education and Legal Issues
- ESP 730 - Parent Involvement in Special and General Education
- TESL 752 - Methods and Curriculum for Teaching ELs

Methods and Assessment – Credits: 6

- CIS 573 - Teaching Secondary Social Studies
- EPY 709 - Classroom Assessment

Technology Course – Credits: 3

- CIT 602 - Technology Applications Secondary Curriculum

Culminating Experience – Credits: 1

- CIG 697 - Curriculum and Instruction Culminating Experience

Subplan Note: These courses are only for the M.Ed. portion of the Alternative Route to Licensure program. Additional requirements exist that do not count towards

the master's degree that are required for licensure. (See the following for more detail <https://www.unlv.edu/education/arl-programs>)

Degree Requirements

See Plan Degree Requirements below.

Graduation Requirements

See Plan Graduation Requirements below.

Subplan 8 Requirements: Secondary English Language Arts Education TFA Track

Total Credits Required: 37

Course Requirements

Required Courses – Credits: 33

Complete these courses:

- CME 705 - Multicultural Education
- CIL 616 - Teaching Writing
- CIL 621 - Assessment in Literacy
- CIL 642 - Instruction English Education
- CIS 604 - Secondary Classroom Management
- CIS 682 - Secondary School Instruction
- CIS 684 - Secondary Education Curriculum
- ESP 701 - Introduction to Special Education and Legal Issues
- ESP 730 - Parent Involvement in Special and General Education
- TESL 751 - Theory and Practice for Academic English Language Development
- TESL 752 - Methods and Curriculum for Teaching ELs

Research Course – Credits: 3

Complete one of the following courses:

- CIG 690 - Teachers as Action Researchers
- EPY 702 - Research Methods

Culminating Experience – Credits: 1

- CIG 697 - Curriculum and Instruction Culminating Experience

Subplan Note: These courses are only for the M.Ed. portion of the program. Additional requirements exist that do not count towards the master's degree that are required for licensure.

Degree Requirements

See Plan Degree Requirements below.

Graduation Requirements

See Plan Graduation Requirements below.

Subplan 9 Requirements: Secondary

Mathematics Education TFA Track

Total Credits Required: 37

Course Requirements

Required Courses – Credits: 33

Complete these courses:

- CME 705 - Multicultural Education
- CIG 620 - Principles of Learning Mathematics
- CIG 621 - Diagnostic Assessment School Mathematics
- CIS 604 - Secondary Classroom Management
- CIS 624 - Instruction Secondary Mathematics Education
- CIS 682 - Secondary School Instruction
- CIS 684 - Secondary Education Curriculum
- ESP 701 - Introduction to Special Education and Legal Issues
- ESP 730 - Parent Involvement in Special and General Education
- TESL 751 - Theory and Practice for Academic English Language Development
- TESL 752 - Methods and Curriculum for Teaching ELs

Research Course – Credits: 3

Complete one of the following courses:

- CIG 690 - Teachers as Action Researchers
- EPY 702 - Research Methods

Culminating Experience – Credits: 1

- CIG 697 - Curriculum and Instruction Culminating Experience

Subplan Note: These courses are only for the M.Ed. portion of the program. Additional requirements exist that do not count towards the master's degree that are required for licensure.

Degree Requirements

See Plan Degree Requirements below.

Graduation Requirements

See Plan Graduation Requirements below.

Subplan 10 Requirements: Secondary Science Education TFA Track

Total Credits Required: 37

Course Requirements

Required Courses – Credits: 33

Complete these courses:

- CME 705 - Multicultural Education
- CIS 604 - Secondary Classroom Management

- CIS 634 - Instruction Secondary Science Education
- CIS 638 - Technology Applications in Secondary Science Education
- CIS 682 - Secondary School Instruction
- CIS 684 - Secondary Education Curriculum
- ESP 701 - Introduction to Special Education and Legal Issues
- ESP 730 - Parent Involvement in Special and General Education
- TESL 751 - Theory and Practice for Academic English Language Development
- TESL 752 - Methods and Curriculum for Teaching ELs
- EPY 709 - Classroom Assessment

Research Course – Credits: 3

Complete one of the following courses:

- CIG 690 - Teachers as Action Researchers
- EPY 702 - Research Methods

Culminating Experience – Credits: 1

- CIG 697 - Curriculum and Instruction Culminating Experience

Subplan Note: These courses are only for the M.Ed. portion of the program. Additional requirements exist that do not count towards the master's degree that are required for licensure.

Degree Requirements

See Plan Degree Requirements below.

Graduation Requirements

See Plan Graduation Requirements below.

- Subplan 11 Requirements: Secondary Social Studies Education TFA Track

Total Credits Required: 37

Course Requirements

Required Courses – Credits: 33

Complete these courses:

- CME 705 - Multicultural Education
- CIS 604 - Secondary Classroom Management
- CIS 640 - Topics Secondary Social Studies Education
- CIS 644 - Instruction Secondary Social Studies Education
- CIS 682 - Secondary School Instruction
- CIS 684 - Secondary Education Curriculum
- ESP 701 - Introduction to Special Education and Legal Issues
- ESP 730 - Parent Involvement in Special and General

Education

- TESL 751 - Theory and Practice for Academic English Language Development
- TESL 752 - Methods and Curriculum for Teaching ELs
- EPY 709 - Classroom Assessment

Research Course – Credits: 3

Complete one of the following courses:

- CIG 690 - Teachers as Action Researchers
- EPY 702 - Research Methods

Culminating Experience – Credits: 1

- CIG 697 - Curriculum and Instruction Culminating Experience

Subplan Note: These courses are only for the M.Ed. portion of the program. Additional requirements exist that do not count towards the master's degree that are required for licensure.

Degree Requirements

See Plan Degree Requirements below.

Graduation Requirements

See Plan Graduation Requirements below.

Plan Degree Requirements

Students must complete a minimum of 37 credit hours with a minimum GPA of 3.00.

All graduate students are held responsible for the requirements and academic policies established by the Graduate College and outlined in the front of this catalog.

Per graduate college requirements, students must be enrolled in at least 3 graduate level credits in the term they will graduate.

Plan Graduation Requirements

The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.

The student must successfully complete the culminating experience.

Master of Science - Curriculum & Instruction

Plan Description

The Department holds as its central mission the preparation and development of educators at all levels. The department ensures that its professional education programs are based on essential knowledge, established and current research findings, and sound professional practice.

The Master of Science (M.S.), emphasizes preparation for

researchers. There is a single thesis track with different emphasis areas

Emphasis areas for the M.S. degree:

- English Language Arts
- Literacy Education
- Mathematics Education
- K-8 Integrated STEM Education
- Science Education
- Social Studies Education
- Secondary Education
- Elementary Education
- Teacher Education
- Leadership for Teachers and Professionals
- Children's and Young Adult Literature
- Career and Technical Postsecondary Education
- Multicultural Education
- Educational Technology

For more information about your program, including your graduate program handbook and learning outcomes please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

In addition to meeting the admission requirements of the Graduate College, applicants must also meet the requirements established by the Department of Teaching and Learning. They are:

1. An overall undergraduate grade point average (GPA) of 3.00 is required for admission. Students with a GPA of less than 3.00 but greater or equal to 2.75 may be admitted to the graduate program upon review of the Admissions Committee.
2. A completed on-line application for admission submitted to the Graduate College through the Grad Rebel Gateway.
3. A one- to two-page letter of intent of professional goals and rationale for pursuing the degree. In the letter of intent please state the emphasis area that you are interested in. (Letter of intent uploaded in the online application).
4. The names with contact information of two professional references are required in the online application. The professional references will be contacted to submit a letter of recommendation.
5. Unofficial or official transcripts from all previously attended colleges and universities will need to be submitted in the online application. Official transcripts are required once given an offer of admission into the program.

Applications are processed when all credentials required by both the Graduate College and T&L have been received. Once received, materials are forwarded to the Graduate Coordinator and the T&L Master's Admission

Committee to evaluate the applicant's credentials and recommend acceptance or denial into the program.

The Graduate College will send official notification regarding the status of applications through the Grad Rebel Gateway. In addition, an email will be sent from the department of Teaching and Learning identifying an academic advisor. Students are responsible for contacting their advisors upon admission to the program.

All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

Total Credits Required: 33

Course Requirements

Research Courses - Credits: 9

- EPY 702 - Research Methods
- EPY 718 - Qualitative Research Methodologies
- EPY 721 - Descriptive and Inferential Statistics: An Introduction

Theoretical Foundations Course - Credits: 3

- CIG 761 - Theoretical Foundations of Education

Core Emphasis Area Courses - Credits 15

600 or 700 level advisor approved courses from within or outside the department and/or via RPDP (Regional Professional Development Program) linked approved UNLV classes. RPDP courses must be approved by the faculty advisor and graduate coordinator. Not all RPDP courses count. Emphasis areas for the M.S. degree: - English Language Arts - Literacy Education - Mathematics Education - K-8 Integrated Stem Education - Science Education - Social Studies Education - Secondary Education - Elementary Education - Teacher Education - Leadership for Teachers and Professionals - Children's and Young Adult Literature - Career and Technical Postsecondary Education - Multicultural Education - Educational Technology

Thesis - Credits: 6

- CIG 699 - Curriculum and Instruction Thesis

Degree Requirements

Students must complete a minimum of 33 credit hours with a minimum GPA of 3.00.

EPY 702 must be taken prior to EPY 718 or EPY 721.

In consultation with his/her advisor, a student will organize a thesis committee of at least three departmental members. In addition, a fourth member from outside the department, known as the Graduate College Representative, must be

appointed.

Before doing the thesis research, students must defend their thesis proposal to their committee. It is encouraged for students to do the thesis proposal defense and work on IRB approval prior to the semester when the CIG 699 credits will be taken.

Complete and defend a thesis. Students must be enrolled in thesis credits the semester of graduation.

Plan Graduation Requirements

The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.

The student must submit and successfully defend his/her thesis by the posted deadline. See the Graduate College website for required forms, formatting requirements for the thesis, and due dates.

Refer to the Graduate Study Timeline on the Graduate College website for Graduation Requirements.
<https://www.unlv.edu/graduatecollege/study-timeline>

Doctor of Philosophy - Curriculum & Instruction

Plan Description

This course of study is for professional educators who desire to extend and advance knowledge in the theory and practice of education as university researchers or leaders in an array of other education-related settings, both in the United States and abroad. The completion of this degree will particularly enable individuals to become skilled researchers as members of university faculties.

Upon completion of the program, graduates will:

1. Have an understanding of the theoretical and historical foundations of education.
2. Demonstrate knowledge and synthesis of major research in education.
3. Demonstrate knowledge and research application in an area of emphasis: Career & Technical and Post-Secondary Education (CTPE), Cultural Studies, International, and Multicultural Education (CSIEME), Interaction and Media Sciences (IMS), Literacy Education, Mathematics Education, or Science Education.
4. Understand and apply the major tenets of research design and analysis spanning methodological approaches, including qualitative, quantitative, and mixed methods approaches.
5. Demonstrate the ability to successfully design, defend, and complete an extended educational study resulting in a defensible dissertation.

Areas of research emphasis include

Career & Technical and Postsecondary Education (CTPE)

The Career & Technical and Postsecondary Education (CTPE) emphasis area has a research and professional leadership degree. CTPE is designed to develop future leaders/educators who will make well-informed, theory-based, research supported, and data driven decisions related to planning, organizing, delivering and evaluating the many components and systems connecting education, work, and economic development. Program graduates typically seek research and teaching faculty positions in universities; administrative and policy positions in local, state and national education and other governmental agencies; instructional/curricular leadership positions within school districts; leadership and teaching positions in secondary, community and technical colleges, and training positions in a variety of adult education and training environments. Graduates will be prepared to assume leadership positions in Southern Nevada and throughout Nevada and the Nation.

Cultural Studies, International Education, and Multicultural Education (CSIEME)

The Cultural Studies, International Education, and Multicultural Education (CSIEME) emphasis area is comprised of three related disciplinary strands that promote interdisciplinary and decolonizing approaches to research and teaching. Multicultural Education is the emphasis' core strand. Multicultural Education engages critical pedagogy as the basis for social change through promotion of the democratic principles of social justice. Through enactment of critical pedagogy focused on knowledge, reflection, and action (praxis), Multicultural Education accepts and affirms—through radical transformation of interpersonal interactions, curricula, and instructional strategies—the pluralism that students, their families and communities, and educators represent. Through the core Multicultural Education strand, CSIEME students critically re/consider the Eurocentric canon in re/claiming educational processes that challenge and reject white supremacy, predatory capitalism, racism, sexism, and other forms of discrimination in PK-12 and higher education and society. Through the International Education strand CSIEME students engage critical views of comparative, international, global, inter-nation, and related diaspora educational constructs, in particular challenging the global north-south binary that perpetuates the belief that Westernization and Western approaches to education/educational systems are superior and, thus, should continue to drive education around the world. Through the Cultural Studies strand, CSIEME students critically examine factors fostering the emergence and proliferation of critical consciousness about social structures and systems that oppress, marginalize, minoritize, and/or discriminate, as well as of critical action leading to emancipation, solidarity, liberation, and freedom from these structures and systems.

Interaction and Media Sciences

The Interaction and Media Sciences emphasis area enables students to become university faculty, researchers, instructional designers, and leaders in the growing field of educational technology. The focus of the program is on content, pedagogy, technology, and a wide range of associated issues. Students develop expertise in critical analysis, deconstruction, and research on educational technology. The program prepares students for a variety of professional careers related to teaching and learning in both academic and non-academic settings, such as K-12 schools, community colleges, universities, state and federal agencies, and private organizations.

Literacy Education

The Literacy Education emphasis area explores relationships among language, literacy, culture and social justice. Students develop expertise in critical analysis and methodological approaches for conducting research on literacy teaching and learning (e.g., curriculum design; assessment; policy; new literacies; issues related to literacy equity, writing). Students have opportunities for clinical and field-based work in conjunction with our teacher education program, the Gayle A. Zeiter Literacy Development Center, the Southern Nevada Writing Project, and other community organizations. Through an emphasis on the integration of theory, research and practice, students will demonstrate a well-grounded understanding of the literacy content, pedagogy, technology, and issues associated with teaching and learning in literacy education.

Mathematics Education

The Mathematics Education emphasis area prepares individuals for research and teacher education careers in higher education and for leadership positions in educational settings. The program is designed to develop expertise in conceptualizing, conducting and reporting research in mathematics education and to improve student knowledge about the field of mathematics education. Students choosing this area of study will find themselves challenged with the latest ideas and theories in the field. The program is consistent with other top graduate programs and is aligned with UNLV's goals to advance the research functions of UNLV while maintaining high quality teaching.

Science Education

The Science Education emphasis area engages students in developing expertise in critical analysis of scientific phenomena in relation to teaching and learning. Further, science education will support students to do research on teaching and learning, science including, but not limited to: curriculum design, assessment, scientific literacy, policy, media, popular culture, and issues related to race, gender, and class, consistent with offerings at other top graduate schools of education.

For more information about your program, including your graduate program handbook and learning outcomes, please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

Specific admission criteria for the PhD - Curriculum and Instruction include:

1. All domestic and international applicants, including students currently matriculated in graduate programs at UNLV outside of the Department of Teaching and Learning, must meet the minimum Graduate College Admission and Registration Requirements, as well as the specific policies outlined below.
2. Prior to the admission start date, a master degree from an accredited program in an area closely related to the chosen field of specialization is required.
3. Submit a complete Graduate College online application, by the stated application date, including the following:
 - Three letters of recommendation from professionals who can specifically address the applicant's potential for success in the doctoral program. One letter, minimally, must be from a university faculty member addressing past academic success and future potential in a doctoral program. These letters of recommendation will be requested by and must be submitted through the Graduate College online application system.
 - Submit one set of transcripts from all previously attended colleges and universities as requested in the Graduate College online application. Unofficial transcripts should be uploaded via the online application for any degrees or coursework in progress at the time of application. Unofficial transcripts will NOT substitute for the official documents required prior to enrollment, with the exception of coursework taken at UNLV.
 - Submit official Graduate Record Examination (GRE) scores for the General Exam, which must be received prior to the application deadline.
 - Answering any questions required in the application portal.
4. After initial screening, applicants moving forward in the process will be invited to an interview. Interviews are conducted by members of the Department of Teaching and Learning graduate faculty. Interviews are not guaranteed simply by means of applying to the program. The Doctoral Studies Office and program faculty members will work to plan interviews with selected applicants.
5. Students with less than a 145 Verbal, or a 145 Quantitative, or a 3.5 Analytical Writing, or any combination thereof on the GRE can only be admitted on a conditional basis; if admitted a student must earn a 3.30 (B+) GPA in the Departmental Core (CIG 761 & 790) and two Required Research Courses (EPY

718 & 721) in order to remove the conditional status.

6. Students enrolled or matriculated in a graduate program at UNLV outside of the Department of Teaching and Learning currently are not guaranteed to have program coursework from the previous program accepted for transfer or substitution to the Department of Teaching and Learning degree.
7. The aforementioned requirements are the minimum requirements; meeting the minimum requirements does not guarantee admission.
8. Recommendations to the Graduate College for admission are based 1) on applicants meeting the minimum requirements along with 2) a comprehensive review of the application materials by program and/or subplan area faculty.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding subdisciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

See Subplan Requirements below.

Subplan 1: Career & Technical and Postsecondary Education Track

Subplan 2: Cultural Studies, International Education, and Multicultural Education Track

Subplan 3: Interaction and Media Sciences Track

Subplan 4: Literacy Education Track

Subplan 5: Mathematics Education Track

Subplan 6: Science Education Track

Subplan 1 Requirements: Career & Technical and Postsecondary Education Track

Total Credits Required: 60

Course Requirements

T&L Required Courses – Credits: 6

- CIG 761 - Theoretical Foundations of Education
- CIG 790 - Doctoral Research Seminar
CIG 761 and CIG 790 are not eligible for substitution.

Research Required Courses – Credits: 12

- EPY 718 - Qualitative Research Methodologies
EPY 718 and 721 are not eligible for substitution.
- EPY 721 - Descriptive and Inferential Statistics: An Introduction

Complete two additional advisor approved research courses (6 credits)

Individual Specialization Required Courses – Credits: 15

Complete 15 credits of the following:

- EDW 719 - Leadership in Workforce Education and Development
- EDW 745 - Theories of Adult Learning
- EDW 746 - History and Development of Two Year Postsecondary Institution
- EDW 747 - Workforce Education Teaching
- EDW 749R - Evaluation of Workforce Education Programs
- EDW 763 - Readings in Postsecondary Education, Workplace Learning and Performance, and Workforce Education Leadership
- EDW 768 - Grantsmanship in Education

Individual Specialization Elective Courses – Credits: 9

Complete 9 credits of advisor-approved courses outside the CTPE subplan area.

Applied Research and/or Instructional Practice – Credits: 6

Complete six credits of an advisor approved combination of a research internship and/or a college teaching internship.

Dissertation – Credits: 12

- CIG 799 - Dissertation

Degree Requirements

See Degree Requirements after subplan listings.

Graduation Requirements

See Graduation Requirements after subplan listings.

Subplan 2 Requirements: Cultural Studies, International Education, and Multicultural Education Track

Total Credits Required: 60

Course Requirements

T & L Required Courses – Credits: 6

- CIG 761 - Theoretical Foundations of Education
- CIG 790 - Doctoral Research Seminar
CIG 761 and CIG 790 are not eligible for substitution.

Research Required Courses – Credits: 12

- EPY 718 - Qualitative Research Methodologies
- EPY 721 - Descriptive and Inferential Statistics: An Introduction
EPY 718 and 721 are not eligible for substitution.

Complete two additional advisor approved research courses.

Individual Specialization Required Courses – Credits: 9

- CME 745 - Theory and Research in Multicultural Education

- CME 720 - International and Comparative Studies in Education

- CME 710 - Cultural Studies in Education

Applied Research and Practice – Credits: 6

- CIG 791 - Internship in Curriculum and Instruction
- Individual Specialization Elective Courses – Credits: 15
Complete 15 credits of advisor-approved courses.

Dissertation – Credits: 12

- CIG 799 - Dissertation

Degree Requirements

See Degree Requirements after subplan listings.

Graduation Requirements

See Graduation Requirements after subplan listings.

Subplan 3 Requirements: Interaction and Media Sciences Track

Total Credits Required: 60

Course Requirements

T & L Required Courses – Credits: 6

- CIG 761 - Theoretical Foundations of Education
- CIG 790 - Doctoral Research Seminar
CIG 761 and CIG 790 are not eligible for substitution.

Research Required Courses – Credits: 15

- EPY 718 - Qualitative Research Methodologies
- EPY 721 - Descriptive and Inferential Statistics: An Introduction
EPY 718 and 721 are not eligible for substitution.

Complete three additional advisor-approved advanced research courses.

Content Area Required Courses – Credits: 18

- CIT 770 - Foundations in Technology & Learning
- CIT 773 - Interaction Design
- CIT 774 - Behavioral Sciences & Technology
- CIT 775 - Affect & Technology
- CIT 776 - Emerging Technologies for Learning
- CIT 778 - Instructional Design

Individual Specialization Elective Courses– Credits: 9

Complete 9 hours of advisor-approved courses.

Dissertation – Credits: 12

- CIG 799 - Dissertation

Degree Requirements

See Degree Requirements after subplan listings.

Graduation Requirements

See Graduation Requirements after subplan listings.

Subplan 4 Requirements: Literacy Education Track

Total Credits Required: 60

Course Requirements

T & L Required Courses – Credits: 6

- CIG 761 - Theoretical Foundations of Education
- CIG 790 - Doctoral Research Seminar
- CIG 761 and CIG 790 are not eligible for substitution.

Research Required Courses – Credits: 12

- EPY 718 - Qualitative Research Methodologies
- EPY 721 - Descriptive and Inferential Statistics: An Introduction
Complete two additional advisor approved research courses.
EPY 718 and 721 are not eligible for substitution.

Individual Specialization Required Courses – Credits: 9

Complete three of the four following courses:

- CIL 772 - Cognitive Foundations of Literacy
- CIL 774 - Historical Foundations of Literacy Research and Instruction
- CIL 776 - Social and Political Issues in Literacy
- CIG 773 - Critical Literacies/Critical Pedagogies

Individual Specialization Elective Courses – Credits: 21

Complete 21 credits of advisor approved specialization courses.

Dissertation – Credits: 12

- CIG 799 - Dissertation

Degree Requirements

See Degree Requirements after subplan listings.

- Graduation Requirements

See Graduation Requirements after subplan listings.

Subplan 5 Requirements: Mathematics Education Track

Total Credits Required: 60

Course Requirements

T & L Required Courses – Credits: 6

- CIG 761 - Theoretical Foundations of Education
- CIG 790 - Doctoral Research Seminar
- CIG 761 and CIG 790 are not eligible for substitution.

Research Required Courses – Credits: 12

- EPY 718 - Qualitative Research Methodologies
- EPY 721 - Descriptive and Inferential Statistics: An Introduction
EPY 718 and 721 are not eligible for substitution.

Complete two additional advisor approved research courses.

Individual Specialization Required Courses – Credits: 9

- CIG 720 - Principles of Mathematics Learning
- CIG 783 - Theory and Research in School Mathematics
- CIG 787 - Individual Instruction in Mathematics Education

Applied Research and Practice/Internship – Credits: 6

- CIG 791 - Internship in Curriculum and Instruction

Individual Specialization Elective Courses – Credits: 15

Complete 15 credits of advisor-approved specialization courses.

Dissertation – Credits: 12

- CIG 799 - Dissertation

Degree Requirements

See Degree Requirements after subplan listings.

Graduation Requirements

See Graduation Requirements after subplan listings.

Subplan 6 Requirements: Science Education Track

Total Credits Required: 60

Course Requirements

T & L Required Courses – Credits: 6

- CIG 761 - Theoretical Foundations of Education
- CIG 790 - Doctoral Research Seminar
CIG 761 and CIG 790 are not eligible for substitution.

Research Required Courses – Credits: 12

- EPY 718 - Qualitative Research Methodologies
- EPY 721 - Descriptive and Inferential Statistics: An Introduction
EPY 718 and 721 are not eligible for substitution.

Complete two additional advisor approved research courses.

Individual Specialization Required Courses – Credits: 9

Complete three advisor approved Science Education courses (e.g., CIG 775, 776, 777, 785, 786, 788)

Individual Specialization Elective Courses – Credits: 21

Complete 21 credits of advisor-approved courses.

Dissertation – Credits: 12

- CIG 799 - Dissertation

Degree Requirements

See Degree Requirements after subplan listings.

Graduation Requirements

See Graduation Requirements after subplan listings.

Plan Degree Requirements

1. Complete a minimum of 60 credit hours beyond the master's degree.
2. All coursework must be approved by the doctoral student's advisor.
3. CIG 761, CIG 790, EPY 718, and EPY 721 are not eligible for substitution.
4. Maintain an overall GPA of 3.00 or higher for all course work taken at the doctoral level;
5. In consultation with his/her advisor, a student must organize a dissertation committee of at least three departmental Members, including a chair from the students subplan area. In addition, a fourth member from outside the department, known as the Graduate College Representative, must be appointed. An additional committee member may be added at the student and department's discretion. Please see Graduate College policy for committee appointment guidelines.
6. Pass, and defend orally, a written qualifying examination prior to commencing work on the dissertation proposal.
7. Pass, and defend orally, a written proposal as well as complete all coursework before Advancing to Candidacy and taking dissertation hours.
8. Comply with all requirements for and successfully defend the dissertation as well as any specific graduation requirements and processes (see Graduation Requirements below).
9. Follow all UNLV, Graduate College, and Teaching and Learning Policies and adhere to any subplan processes outline in the Doctoral Handbook or doctoral website.

Plan Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
2. The student must submit and successfully defend his/her dissertation by the posted deadline. The defense must be advertised and is open to the public.
3. After the dissertation defense, the student must electronically submit a properly formatted pdf copy of their dissertation to the Graduate College for format check. Once the dissertation format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for dissertation defenses, format check submissions, and the final ProQuest submission can be found here.

Doctor of Philosophy - Teacher Education

Plan Description

The Ph.D. in Teacher Education in the Department of Teaching & Learning is projected for professional educators who have an interest in becoming practitioner-oriented scholars in teacher education and who are interested in teacher education as a content area for research. Completing this degree will enable individuals to answer the national call for teacher educators and researchers in this field. The program is one of only a few in the nation devoted to teacher education.

Upon completion of this program, graduates will be able to:

Demonstrate college-level teaching experience;

Connect theory and research related to teaching and learning to the practice of teaching in schools and to the practice of teaching university courses;

Design and conduct research using quantitative and qualitative methodologies with particular emphasis on applied research in the context of diverse schools.

For more information about your program, including your graduate program handbook and learning outcomes, please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

1. All domestic and international applicants, including students currently matriculated in graduate programs at UNLV outside of the Department of Teaching and Learning, must meet the minimum Graduate College Admission and Registration Requirements, as well as the specific policies outlined below.
2. Prior to the admission start date, a master degree from an accredited program in an area closely related to the chosen field of specialization is required.
3. Have satisfactory teaching experience, preferably licensed.
4. Submit a complete Graduate College online application, by the stated application date, including the following:
 - Three letters of recommendation from professionals who can specifically address the applicant's potential for success in the doctoral program. One letter, minimally, must be from a university faculty member addressing past academic success and future potential in a doctoral program. These letters of recommendation will be requested by and must be submitted through the Graduate College online application system.
 - Submit one set of transcripts from all previously attended colleges and universities as requested in the Graduate College online application. Unofficial transcripts should be uploaded via the online application for any degrees or coursework in progress at the time of application. Unofficial transcripts will NOT substitute

for the official documents required prior to enrollment, with the exception of coursework taken at UNLV

- Submit official Graduate Record Examination (GRE) scores for the General Exam, which must be received prior to the application deadline
 - Answering any questions required in the application portal.
5. After initial screening, applicants moving forward in the process will be invited to an interview. Interviews are conducted by members of the Department of Teaching and Learning graduate faculty. Interviews are not guaranteed simply by means of applying to the program. The Doctoral Studies Office and program faculty members will work to plan interviews with selected applicants.
 6. Students with less than a 145 Verbal, or a 145 Quantitative, or a 3.5 Analytical Writing, or any combination thereof on the GRE can only be admitted on a conditional basis; if admitted a student must earn a 3.30 (B+) GPA in the Departmental Core (CIG 761 & 790) and two Required Research Courses (EPY 718 & 721) in order to remove the conditional status.
 7. Students enrolled or matriculated in a graduate program at UNLV outside of the Department of Teaching and Learning currently are not guaranteed to have program coursework from the previous program accepted for transfer or substitution to the Department of Teaching and Learning degree.
 8. The aforementioned requirements are the minimum requirements; meeting the minimum requirements does not guarantee admission.
 9. Recommendations to the Graduate College for admission are based 1) on applicants meeting the minimum requirements along with 2) a comprehensive review of the application materials by program and/or subplan area faculty.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

Total Credits Required: 60

Course Requirements

T&L Required Courses – Credits: 6

- CIG 761 - Theoretical Foundations of Education
- CIG 790 - Doctoral Research Seminar
CIG 761 and CIG 790 are not eligible for substitution.

Research Courses – Credits: 12

- EPY 718 - Qualitative Research Methodologies
- EPY 721 - Descriptive and

Inferential Statistics: An Introduction
Complete two additional advisor
approved research courses.
EPY 718 and 721 are not eligible for substitution.

Teacher Education Core Courses – Credits: 12

- CIG 760R - Inquiry into Teacher Education
- CIG 762 - Instructional Strategies and Learning to Teach in Higher Education
- CIG 763 - Advanced Research in Teaching and Teacher Education
- CIT 772 - Technology in Teacher Education

Internship Course – Credits: 6

- CIG 791 - Internship in Curriculum and Instruction

Elective Courses – Credits: 12

Complete four advisor approved elective courses.

Dissertation – Credits: 12

- CIG 799 - Dissertation

Degree Requirements

Complete a minimum of 60 credit hours beyond the master's degree.

1. All coursework must be approved by the doctoral student's advisor.
2. CIG 761, CIG 790, EPY 718, and EPY 721 are not eligible for substitution.
3. Maintain an overall GPA of 3.00 or higher for all course work taken at the doctoral level;
4. Complete a three-credit university teaching internship under the supervision and mentoring of a faculty member. An additional three-credit internship will be completed and will be designed in consultation with the student and initial advisor or the dissertation committee chair.
5. In consultation with his/her advisor, a student must organize a dissertation committee of at least three departmental members, including a chair and at least one other member from Teacher Education program area. In addition, a fourth member from outside the department, known as the Graduate College Representative, must be appointed. An additional committee member may be added at the student and department's discretion. Please see Graduate College policy for committee appointment guidelines.
6. Pass, and defend orally, a written qualifying examination prior to commencing work on the dissertation proposal.
7. Pass, and defend orally, a written proposal as well as complete all coursework before Advancing to Candidacy and taking dissertation hours.
8. Comply with all requirements for and successfully defend the dissertation as well as any specific

graduation requirements and processes (see Graduation Requirements below).

9. Follow all UNLV, Graduate College, and Teaching and Learning Policies and adhere to any subplan processes outline in the Doctoral Handbook or doctoral website.

Plan Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing the degree requirements.
2. The student must submit and successfully defend his/her dissertation by the posted deadline. The defense must be advertised and is open to the public.
3. After the dissertation defense, the student must electronically submit a properly formatted pdf copy of their dissertation to the Graduate College for format check. Once the dissertation format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for dissertation defenses, format check submissions, and the final ProQuest submission can be found here.

Doctor of Education - Curriculum & Instruction

Plan Description

This program aims to cultivate educational leaders through providing innovative solutions to complex problems of practice.

The completion of this degree will enable individuals to become members of university faculties but particularly suited for positions as leaders in school districts and community agencies.

Students must focus in one or more of the following disciplinary areas: Career & Technical and Postsecondary Education (CTPE), Cultural Studies, International Education, and Multicultural Education (CSIEME), Interaction and Media Sciences, Literacy Education, Mathematics Education, Science Education, and Teacher Education

Upon completion of the program, graduates will:

Have an understanding of the theoretical and historical foundations of education.

Demonstrate knowledge and synthesis of major research in teaching and schooling.

Demonstrate knowledge and research application in solving a complex problem of practice

Understand and apply the major tenets of research design and analysis spanning quantitative, qualitative, and evaluation research methods.

Demonstrate the ability to successfully design, defend, and complete an extended educational study addressing a complex problem of practice resulting in a defensible traditional dissertation or a multiple article dissertation.

For more information about your program, including your graduate program handbook and learning outcomes please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

Application for the Curriculum and Instruction Ed.D. in the Department of Teaching and Learning is accomplished through the UNLV Graduate College online application process.

Specific admission criteria for the Ed.D. — Curriculum and Instruction include:

1. All domestic and international applicants, including students currently matriculated in graduate programs at UNLV outside of the Department of Teaching and Learning, must meet the minimum Graduate College Admission and Registration Requirements, as well as the specific policies outlined below.
2. Prior to the admission start date, a master degree from an accredited program in an area closely related to the chosen field of specialization is required.
3. Submit a complete Graduate College online application, by the stated application date, including the following:
 - Three letters of recommendation from professionals who can specifically address the applicant's potential for success in the doctoral program. One letter, minimally, must be from a university faculty member addressing past academic success and future potential in a doctoral program. These letters of recommendation will be requested by and must be submitted through the Graduate College online application system.
 - Submit one set of transcripts from all previously attended colleges and universities as requested in the Graduate College online application. Unofficial transcripts should be uploaded via the online application for any degrees or coursework in progress at the time of application. Unofficial transcripts will NOT substitute for the official documents required prior to enrollment, with

the exception of coursework taken at UNLV.

- Submit official Graduate Record Examination (GRE) scores for the General Exam, which must be received prior to the application deadline.
 - Answering any questions required in the application portal.
4. After initial screening, applicants moving forward in the process will be invited to an interview. Interviews are conducted by members of the Department of Teaching and Learning graduate faculty. Interviews are not guaranteed simply by means of applying to the program. The Doctoral Studies Office and program faculty members will work to plan interviews with selected applicants.
 5. Students with less than a 145 Verbal, or a 145 Quantitative, or a 3.5 Analytical Writing, or any combination thereof on the GRE can only be admitted on a conditional basis; if admitted a student must earn a 3.30 (B+) GPA in the Departmental Core (CIG 761 & 790) and two Required Research Courses (EPY 718 & 721) in order to remove the conditional status.
 6. Students enrolled or matriculated in a graduate program at UNLV outside of the Department of Teaching and Learning currently are not guaranteed to have program coursework from the previous program accepted for transfer or substitution to the Department of Teaching and Learning degree.
 7. The aforementioned requirements are the minimum requirements; meeting the minimum requirements does not guarantee admission.
 8. Recommendations to the Graduate College for admission are based 1) on applicants meeting the minimum requirements along with 2) a comprehensive review of the application materials by program and/or subplan area faculty.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and subplans within the described programs are subject to change at any time.

Plan Requirements

Total Credits Required: 60

Course Requirements

T&L Required Courses - Credits: 6

- CIG 761 - Theoretical Foundations of Education
- CIG 790 - Doctoral Research Seminar
- CIG 761 and CIG 790 are not eligible for substitution.

Research Required Courses - Credits: 12

- EPY 718 - Qualitative Research Methodologies
- EPY 721 - Descriptive and Inferential Statistics: An Introduction

EPY 718 and 721 are not eligible for substitution. Complete two additional advisor approved research courses

Individual Specialization Courses - Credits: 15

Complete 5 advisor-approved courses that constitute an individual specialization area.

Internships - Credits: 15

Three credits of CIG 791 should be taken during dissertation proposal completion.

- CIG 791 - Internship in Curriculum and Instruction

Dissertation - Credits: 12

- CIG 799 - Dissertation

Degree Requirements

1. Complete a minimum of 60 credit hours beyond the master's degree.
2. All coursework must be approved by the doctoral student's advisor.
3. CIG 761, CIG 790, EPY 718, and EPY 721 are not eligible for substitution.
4. Maintain an overall GPA of 3.00 or higher for all course work taken at the doctoral level;
5. In consultation with his/her advisor, a student must organize a dissertation committee of at least three departmental members, including a chair from the student's subplan area. In addition, a fourth member from outside the department, known as the Graduate College Representative, must be appointed. An additional committee member may be added at the student and department's discretion. Please see Graduate College policy for committee appointment guidelines.
6. Pass, and defend orally, a written qualifying examination prior to commencing work on the dissertation proposal.
7. Pass, and defend orally, a written proposal as well as complete all coursework before Advancing to Candidacy and taking dissertation hours.
8. Comply with all requirements for and successfully defend the dissertation as well as any specific graduation requirements and processes (see Graduation Requirements below).
9. Follow all UNLV, Graduate College, and Teaching and Learning Policies and adhere to any subplan processes outlined in the Doctoral Handbook or doctoral website.

Plan Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.

2. The student must submit and successfully defend his/her dissertation by the posted deadline. The defense must be advertised and is open to the public.
3. After the dissertation defense, the student must electronically submit a properly formatted pdf copy of their dissertation to the Graduate College for format check. Once the dissertation format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for dissertation defenses, format check submissions, and the final ProQuest submission can be found here.

Teaching and Learning Courses

CIE 508 - Classroom Management Elementary Education Credits 3

Introduction to management of the elementary classroom by surveying literature in supervising psychosocial environment, physical environment, curriculum implementation, fundamentals of classroom control, discipline, and monitoring of student learning. Graduate credit may be obtained for courses designated 500 or above. A full description of this course may be found in the Undergraduate Catalog under the corresponding 400 number. Formerly CIE 659 Same as EDEL 408 Notes: Credit at the 500 level normally requires additional work. Prerequisites: CIE 601 and EDEL 311

CIE533-TeachingElementarySchoolMathematics Credits3

Current methods and materials for teaching elementary school mathematics including review of content, objectives, curriculum, and assessment for developmentally appropriate instructional practices. Formerly CIE 652 Notes: This course is crosslisted with EDEL 433. Credit at the 500 level requires additional work. Prerequisites PPST, MATH 122 and MATH 123 or EDEL 431 or consent of instructor. Corequisite: Enrollment in a practicum.

CIE 543 - Teaching Elementary School Science Credits 3

Current methods and materials for teaching life, physical, and earth sciences using process skills, guided discovery activities, and curriculum integration techniques. Notes: This course is crosslisted with EDEL 443. Credit at the 500-level requires additional work. Corequisite: Enrollment in a practicum.

CIE 553 - Teaching Elementary School Social Studies Credits 3

Current methods and materials for teaching social studies. Notes: This course is crosslisted with EDEL 453. Credit at the 500-level requires additional work.

CIE 601 - Elementary Teacher Development Seminar Credits 3

Designed for candidates entering the Elementary Alternative Route Licensure program. Examines contemporary trends for developing classroom expertise with minimum of 150 hours of field experiences in an elementary classroom. Focus on theory and practice in fostering personal and professional development for candidates. Formerly CIE 701 Same as CIS 601 Prerequisites: Graduate standing. Corequisite: Admission Graduate Licensure Program.

CIE 620 - Topics Elementary School Mathematics Credits 1 – 3

Examines specific topics and issues in elementary school mathematics. Formerly CIE 720 Same as CIS 620 Notes: Maximum of six credits accepted toward degree. Prerequisites: EDEL 433 or CIE 533 and current teaching certificate.

CIE 623 - Instruction Primary Elementary Mathematics Education Credits 3

Study of research-based practices and methods in primary elementary school mathematics education. Formerly CIE 723 Prerequisites: EDEL 433 or CIE 533 or ECE 454 and current teaching certificate.

CIE 625 - Instruction Intermediate Elementary Mathematics Education Credits 3

Study of research-based practices and methods in intermediate elementary school mathematics education. Formerly CIE 725 Prerequisites: EDEL 433 or CIE 533 and current teaching certificate.

CIE 627 - Technology Applications K-8 Mathematics Education Credits 3

Research-based study of the integration of technology into the teaching of mathematics in grades K-8. Formerly CIE 727 Prerequisites: One 600-level mathematics instruction course or consent of instructor.

CIE 629 - Curriculum Development in Elementary School Mathematics Credits 3

Emphasizes research and curriculum studies dealing with content and procedures of elementary school mathematics programs. Formerly CIE 729 Same as CIS 629 Prerequisites: One 600-level mathematics instruction course or consent of instructor.

CIE 630 - Topics Elementary School Science Credits 1–3

Examines specific topics and issues in elementary school science. Formerly CIE 730 Same as CIS 630 Prerequisites: EDEL 443 or CIE 543 and current teaching certificate.

CIE635-InstructionElementaryScienceEducation Credits3

Study of research-based practices and methods in elementary school science education. Formerly CIE 735 Prerequisites: EDEL 443 or CIE 543 and current teaching certificate.

CIE 637 - Technology Applications K-8 Science Education Credits 3

Research-based study of the integration of technology into the teaching of science in grades K-8. Formerly CIE 737 Prerequisites: EDEL 443 or CIE 543 and current teaching certificate or consent of instructor.

CIE 639 - Curriculum Development Elementary Science Education Credits 3

Emphasizes research and curriculum studies dealing with content and procedures of elementary school science programs. Formerly CIE 739 Prerequisites: One 600-level science instruction course or consent of instructor.

CIE640-TopicsElementarySchoolSocialStudies Credits1–3
Examines specific topics and issues in elementary school social studies. Formerly CIE 740 Same as CIS 640 Notes: Maximum of six credits accepted toward degree. Prerequisites: EDEL 453 or CIE 553 and current teaching license.

CIE 645 - Instruction Elementary Social Studies Education Credits 3
Study of research-based practices and methods in elementary school social studies education. Formerly CIE 745 Prerequisites: EDEL 453 or CIE 553 and current teaching license.

CIE 649 - Curriculum Development Elementary Social Studies Education Credits 3
Emphasizes research and curriculum studies dealing with content and procedures of elementary school social studies programs. Formerly CIE 749 Same as CIS 649 Prerequisites: EDEL 453 or CIE 553 and current teaching license.

CIE 681 - Elementary School Instruction Credits 3
Research basis for developing and implementing instructional strategies and models of teaching for the elementary classroom. Formerly CIE 701 Prerequisites: Current teaching certificate.

CIE 683 - Elementary Classroom Management Credits 3
Advanced study in managing various aspects of the classroom including establishing and maintaining positive psychosocial environments; rules, routines, and procedures to minimize disruption; discipline plans; and enriched curricula. Formerly CIE 702 Prerequisites: Current teaching certificate.

CIE 685 - Elementary Education Curriculum Credits 3
Current research, influences, trends and issues in the modern elementary school curriculum. Recommended as a culminating course. Formerly CIE 703 Prerequisites: Current teaching certificate.

CIG 600A - Curriculum and Instruction Credits 1 – 6
Specialized course in curriculum and instruction designed to develop depth in understanding a current educational topic for the in-service teacher. Formerly CIG 700 Notes: Maximum of six credits accepted toward a degree.

CIG601-CurriculumandInstructionUrbanSettings Credits3
This course is a research-based study of elementary and secondary education in urban settings that blends curriculum and instruction to develop an in-depth understanding of contemporary educational practices. Formerly CIG 701

CIG 602 - Differentiated Curriculum and Instruction Credits 3
Research-based study of strategies to differentiate curriculum and instruction in order to effectively assess learner needs, modify curriculum materials, plan and implement instruction, develop assignments, and evaluate learning outcomes. Formerly CIG 702

CIG 603 - Urban Education Credits 3
Analysis of the needs and problems of pupils in the urban school, with special emphasis on the development of relevant curricula and teaching strategies. Field work on a pertinent problem required. Formerly CIG 703 Prerequisites: Subject area undergraduate methods course.

CIG 605 - Elementary and Secondary Methods and Assessments for Global Teaching Credits 3

Introduction to the International Baccalaureate (IB) Curriculum and Professional Learning Foundations in Teaching Methods and Assessments for the Primary Years Program, Middle Years Program, Diploma Program and the Career Related Program.

CIG 608 - Field Experience in International Baccalaureate School Credits 3
Apply content acquired in methods courses to field-based experiences. Prerequisites: Enrollment in the Graduate Certificate in Global Teaching program.

CIG 609 - Residency in International Baccalaureate School Credits 8
Full-time teaching as a teacher candidate in a K-12 school related directly to the student's program of study teaching field(s). Prerequisites: Enrollment in the Graduate Certificate in Global Teaching program.

CIG 620 - Principles of Learning Mathematics Credits 3
Study of research involving cognitive factors that impact the learning of mathematics. Formerly CIG 720 Prerequisites: One 600-level course in mathematics instruction or consent of instructor.

CIG 621 - Diagnostic Assessment School Mathematics Credits 3
Study of the causes and effects of mathematics learning difficulties, methods and instruments useful in diagnosis and treatment. Evaluation of materials for the correction of mathematics learning problems. Formerly CIG 721 Prerequisites: One 600-level course in mathematics instruction or consent of instructor.

CIG 629 - Mathematics Education Seminar Credits 3
Examination of seminal and current mathematics education research through readings, writings, discussions and presentations. Prerequisites: Fifteen hours of graduate coursework or consent of instructor.

CIG 639 - Science Education Seminar Credits 3
Examination of seminal and current science education research through readings, writings, discussions and presentations. Prerequisites: Fifteen hours of graduate coursework or consent of instructor.

CIG 649 - Social Studies Education Seminar Credits 3
Examination of seminal and current social studies education research through readings, writings, discussions and presentations. Prerequisites: Fifteen hours of graduate coursework or consent of instructor.

CIG 650 - Art History for Art Educator Credits 3
Study of art history and its relationship to the design and implementation of art curriculum in elementary and secondary education. Formerly CIG 710

CIG 651 - Aesthetics and Criticism Art Education Credits 3
Study of aesthetics and art criticism concepts as curricular content in elementary and secondary art education. Formerly CIG 711

CIG 652 - Technology Applications Art Education Credits 3
Research-based study of the integration of technology into the teaching and learning of elementary and secondary art education curriculum. Formerly CIG 712

CIG 653 - Instructional Discipline-Based Art Education Credits 3

Study of research-based practices and methods in the teaching of discipline-based elementary and secondary school art education. Formerly CIG 713

CIG 667 - Teaching about Latina/Latino Experiences in Education Credits 3

Examine the various sociopolitical, sociocultural, sociohistorical, and other factors that have shaped, and continue to shape, the PK-16 schooling experiences of Latina/Latino youth. Learn to use a community cultural wealth lens to develop critical understanding of the educational challenges that Latina/Latino students' encounter in schools. Notes: This course is crosslisted with WMST 699. Credit the 600-level requires additional work.

CIG 680 - Developing Social Emotional Competence in Teachers and Professional Leaders Credits 3

Recognizing social and emotional factors that influence student learning, analyzing student needs and planning for classroom supports to meet those needs. Emphasis on students' contexts and how to successfully engage families.

CIG 681 - Curriculum Implementation and Innovation Credits 3

International Baccalaureate (IB) Curriculum and Professional Learning Foundations in Curriculum Implementation and Innovation for the Primary Years Program, Middle Years Program, Diploma Program and the Career Related Program. Prerequisites:

CIG 682 - Reflective Practice in Teaching Credits 3

Focuses on the theoretical bases, roles, approaches, and dimensions of teacher reflection. Provides students opportunities for reflective practice to improve teaching. Students acquire important knowledge and basic skills of teacher reflection necessary to be a master teacher. Formerly CIG 704

CIG 683 - Dynamic Teaching Practices Credits 3

Develop teacher-as-facilitator perspectives at the building level and leverage research-based teaching practices to increase student achievement. Coursework will be tied to the state teacher evaluation framework and steeped in adult learning theory.

CIG 684 - Data Literacy for Teacher and Professional Leaders Credits 3

How to design assessments that are valid and reliable. How to develop instruction based on multiple sources of formative and summative data for all areas.

CIG 685 - Peer Assistance and Review Credits 3

Overview of policy regarding teacher evaluations with an emphasis on the state's teacher evaluation. Emphasis will be given to successfully coaching peers through the review process.

CIG 686 - Teachers and Professionals as Change Agents Credits 3

Foundations of policy, advocacy, and equity within various systems and structures. Explore capacities and roles of teacher leaders as change agents at the school/building/community as well as state and national levels.

CIG 687 - Coaching High-Leverage Field Practices Credits 3

Contextualize high-level field practices for building-level leadership. Activities include the development of mentorship plans that consider content and context. Field component required. Prerequisites: Nine hours of graduate coursework.

CIG 688 - Teaching and Learning Seminar Credits 3

Examination of seminal and current research in education or

licensed professionals' disciplines through student-directed readings, discussions, and presentations.

CIG 689 - Curriculum and Instruction Seminar Credits 1 - 3

Examination of seminal and current mathematics education research through readings, writings, discussions and presentations. Formerly CIG 717 Notes: Maximum of six credits accepted toward a degree. Prerequisites: Fifteen hours of graduate coursework or consent of instructor.

CIG 690 - Teachers as Action Researchers Credits 3

Surveys literature on classroom action research as a new genre of research, examines important issues in the field of teacher research, and helps students begin conducting action research in their own classrooms. Students develop an action research project. Formerly CIG 705

CIG 692 - Curriculum Evaluation in Education Credits 3

Study of research-based practices in general and specific curriculum evaluation. Notes: Requires a field-based curriculum evaluation project related to an elementary or secondary subject area and basic knowledge of statistics, research methodology, and curriculum theory. Prerequisites: CIE 685 or CIS 686 or consent of instructor.

CIG 697 - Curriculum and Instruction Culminating Experience Credits 1 - 3

Culminating experience for M.Ed. students. Includes a selection of faculty approved options such as a comprehensive examination, professional manuscript or presentation, eportfolio project, or other equitable curricular experiences. Formerly CIG 715 Grading S/F grading. Prerequisites: Thirty hours graduate course work.

CIG 698 - Curriculum and Instruction Professional Paper/Project Credits 3

Culminating activity for M.Ed. students. Paper/project requires the student to identify an educational issues applicable to a professional setting and conduct in-depth study or action research concerning the issue. Formerly CIG 718 Notes: Maximum of six credits accepted toward a degree. Grading S/F grading only.

CIG 699 - Curriculum and Instruction Thesis Credits 3 - 9

Culminating activity for M.S. Students. Formerly CIG 719 Notes: Maximum of nine credits accepted toward a degree. Grading S/F grading only. Prerequisites: CIG 689 and consent of instructor.

CIG 706 - Mentoring Strategies to Improve Teaching Credits 3

Addresses underlying theory of mentoring and development of mentoring strategies and practices. Aims to improve mentoring practices of experienced teachers working with novice teachers. Prerequisites: Consent of instructor.

CIG 716 - Reading and Conference Credits 1 - 3

Independent reading and study conference with assigned professor. Notes: Maximum of six credits accepted toward a degree. Prerequisites: Must be approved prior to registration.

CIG 720 - Principles of Mathematics Learning Credits 3

Study of research involving cognitive factors that impact the learning of mathematics.

CIG 760R - Inquiry into Teacher Education Credits 3

Supports students in analyzing major issues, questions, and

trends in teacher education as well as the social, historical, and theoretical backgrounds. Familiarizes students with various forms of literature in the field of teacher education. Engages students in writing literature reviews and conference proposals.

CIG 761 - Theoretical Foundations of Education Credits 3
Examines the historical, philosophical, sociological, and cultural foundations of teaching and learning. Prerequisites: Doctoral status; or consent of instructor.

CIG 762 - Instructional Strategies and Learning to Teach in Higher Education Credits 3
Focuses on the past, present, and evolving pedagogical content of teacher education. Topics include: the role and work of the teacher educator, teacher educator curricular issues, and effective teaching strategies for working with adult learners. Prerequisites: Doctoral status.

CIG 763 - Advanced Research in Teaching and Teacher Education Credits 3
Broad overview of the process of learning to teach that begins long before a teacher enrolls in education courses. Explores empirical and conceptual questions about teacher learning across the career. Prerequisites: Doctoral status.

CIG 764 - Models of Teaching Credits 3
Considers the wide variety of approaches to teaching through historical, theoretical and research perspectives. Emphasis on the identification of models of teaching most appropriate to the objectives of individual lessons. Prerequisites: Doctoral status.

CIG 766 - Evaluation of Teaching Credits 3
Survey of current methods in evaluating teaching including summative and formative evaluation; high and low inference instruments; validity, reliability and legal issues; and techniques of data gathering. Explores evaluation as a method of improving instruction. Prerequisites: EPY 702 and Doctoral status.

CIG 767 - Human Relations for the Teacher Educator Credits 3
Inquiry into the role of cultural, racial, and social minorities in education. Prerequisites: Doctoral status.

CIG 768 - Advanced Curriculum Studies Credits 3
Examines various philosophical and theoretical traditions in contemporary Curriculum Studies, including progressive educational thought, postmodern, post-structural, psychoanalytic, Marxist, postcolonial, feminist, and queer theory. One of three courses that fulfills the requirement for two Educational Foundations courses. Prerequisites: Doctoral status.

CIG 770 - Current Trends and Issues in Education Credits 3
Contemporary trends and issues in curriculum development, teaching and learning in education. Prerequisites: Doctoral status or consent of instructor.

CIG 773 - Critical Literacies/Critical Pedagogies Credits 3
Explores the work of Paulo Freire and the development of Critical Literacy and Critical Pedagogy. Notes: This is a required course for students of International and Cultural Studies and can be used as an elective for those doctoral students in literacy education. Prerequisites: Doctoral Status or Consent of Instructor

CIG 775 - Theoretical Frameworks for Science Credits 3
Examines the backgrounds and applications of a variety of theoretical frameworks for qualitative, quantitative, and mixed-methods research in science education, including constructivist, hermeneutic, and critical theory frameworks. Students will analyze and critique such frameworks as they apply toward their own potential research topics. Prerequisites: Doctoral Status or Consent of Instructor

CIG 776 - Philosophical Foundations of Science Credits 3
An exploration of the works of twentieth century philosophers
240 Graduate Catalog • College of Education

of science who were most influential in shaping the thinking about science among science education community. Aims to help participants develop informed and critical views of nature of science and its implications for science teaching and learning. Prerequisites: Doctoral status or Consent of Instructor

CIG 777 - Principles of Learning Science Credits 3
This advanced course is designed to develop an understanding of the theoretical ideas related to how people learn scientific concepts. Using a combination of current research from cognitive science, educational psychology, and evaluations of classroom interventions, students will explore a range of topics that relate directly to science learning. Prerequisites: Consent of instructor.

CIG 779 - Advanced Seminar in Curriculum and Instruction Credits 3
Concentrated study of literature on specified topics in curriculum and instruction studies. Specific topic announced in the schedule of classes. Notes: Maximum of six credits accepted toward a degree. Prerequisites: Doctoral status and consent of instructor.

CIG 780 - Research on Teaching and Schooling Credits 3
Examines, analyzes, and critiques research literature in contexts and cultures of teaching and schooling, teachers' knowledge and beliefs, school change and teacher change processes, and schooling for diverse learners. Prerequisites: Doctoral status. EPY 702 and CIG 761 or consent of instructor.

CIG 781 - Theories and Research in Classroom Management Credits 3
Assists teacher educators in exploring major models of classroom management with emphasis on developing strategies to promote teacher growth. Models include behavioristic, humanistic, and cognitive approaches toward managing student behavior. Development of classroom routines, preventive discipline, and organization of classroom environment. Prerequisites: Doctoral status.

CIG 782 - School Climate Credits 3
Study of research on effective schools relative to school climate; curricular, instructional, psychological, affective, and processing. Emphasis on utilization of research in developing and inservice education. Prerequisites: Doctoral status.

CIG 783 - Theory and Research in School Mathematics Credits 3
Analysis and evaluation of theories and research in school mathematics methods and curriculum with emphasis on theories and research leading to contemporary programs. Notes: Maximum of six credits accepted toward a degree. Prerequisites: Doctoral status. Six hours of course work in educational research, one 700-level course in mathematics methods, and consent of instructor.

CIG 784 - Theory and Research in School Science Credits 3
Analysis and evaluation of theories and research in school science methods and curriculum with emphasis on theories and research leading to contemporary programs. Notes: Maximum of six credits accepted toward a degree. Prerequisites: Doctoral status. Six hours of course work in educational research, one 700-level course in science methods, and consent of instructor.

CIG 786 - Individual Instruction in Education

Credits 1 – 6

Application of theory, actual research, or replication of studies related to school education. Notes: Maximum of six credits accepted toward degree. Must be approved prior to registration. Prerequisites: Doctoral status.

CIG 787 - Individual Instruction in Mathematics Education Credits 3

Application of theory, actual research, or replication of studies related to mathematics education. Notes: Maximum of six credits accepted toward degree. Must be approved prior to registration. Prerequisites; Doctoral status.

CIG 788 - Individual Instruction in Science Education Credits 3

Application of theory, actual research, or replication of studies related to science education. Notes: Maximum of six credits accepted toward degree. Must be approved prior to registration. Prerequisites: Doctoral status.

CIG 790 - Doctoral Research Seminar Credits 3

Designed to assist a cohort of doctoral students in varying stages of dissertation development: prospectus writing, research design, data collection, data analysis, and oral defense. Notes: Maximum of nine credits accepted toward a degree. Prerequisites: Doctoral status.

CIG 791 - Internship in Curriculum and Instruction Credits 1 – 3

Individually structured apprenticeship experience preparing students for future service. Requires up to 50 hour of work experience for each credit earned. Notes: Maximum of twelve credits accepted toward a degree. Prerequisites: Doctoral status and consent of instructor.

CIG 799 - Dissertation Credits 3

May be taken for variable credits over a period of several semesters, with final grade being withheld until the dissertation has been successfully defended. Once a student enrolls in CIG 799, enrollment must be continuous until the dissertation is successfully defended. Notes: May be repeated but only a maximum of 24 credits may be allowed in the student's program. Grading S/F grading only. Prerequisites: Consent of advisor. 3-24 credits in increments of three.

CIGR 680 - Developing Social Emotional Competence in Teachers and Professional Leaders Credits 3

Recognizing social and emotional factors that influence K-12 student learning, analyzing K-12 student needs and planning for classroom supports to meet those needs. Emphasis on K-12 students' contexts and how to successfully engage families. Grading Letter grade

CIGR 681 - Curriculum Implementation and Innovation Credits 3

Teacher leaders develop skills in critiquing, redesigning, and differentiating curricula. Learn to serve as teacher leaders for curriculum implementation, redesign, and differentiation in urban settings to meet the needs of K-12 urban school students. Grading Letter grade

CIGR 687 - Coaching High-Leverage Field Practices Credits 3

Mentorship planning that considers content and context in order to grow the skill level of colleagues. Intentional mentorship planning cycles result in a systemic change at the K-12 school level in culture and K-12 student performance when rooted in high-leverage instructional practices. Grading Letter grade

CIGR 688 - Teaching and Learning Seminar Credits 3

Examination of K-12 school data and implications for long-term school goals as well as obstacles that impede K-12 school reform. District initiatives and the effects on K-12 schools will also be addressed. Grading Letter grade

CIL 501 - Children's Literature Elementary School Curriculum Credits 3

Exposes teacher candidates to a wide range of children's literature and develops knowledge for selecting and sharing quality children's literature in the elementary classroom. Focuses on the role that children's literature plays in the elementary curriculum. Formerly CIL 615 Notes: This course is crosslisted with EDRL 401. Credit at the 500-level requires additional work.

CIL 511 - Teaching Language Arts Elementary Schools Credits 3

Current methods and materials for teaching language arts including oral language arts including oral language development, speaking and listening, written expression, spelling, and handwriting.

CIL 542 - Literacy Instruction I Credits 3

Methods of instruction and assessment for primary grade readers and writers. Designed to help teacher candidates acquire knowledge and strategies related to literacy development and engagement through classroom application, reflection, analysis, and implementation of lessons with diverse learners. Formerly CIL 655 Notes: This course is crosslisted with EDRL 442. Credit at the 500-level requires additional work. Prerequisites: Passing of Praxis Core: Reading 156; Writing 162; Math 15 Corequisite: Enrollment in a practicum.

CIL 600 - Topics Literacy Education Credits 1 – 6

Examines specific topics and issues of content, materials, methods, and procedures related to literacy and literacy learning. Formerly CIL 702 Notes: Maximum of six credits accepted toward a degree.

CIL 601 - Foundations of Literacy Learning Credits 3

Surveys theories and historical trends leading up to present day literacy instruction. Incorporates application of current research to the methods and philosophies of teaching reading and writing. Formerly CIL 701

CIL 604 - Literacy Instruction for Young Children Credits 3

Current trends, practices, materials, and methods utilized in grades K-3. Includes language development, reading and writing development, and application of current research. Notes: May include field experience. Prerequisites: CIL 601 or CILR 601

CIL 607 - Comprehensive Reading Instruction Credits 3

Study of historical developments, theoretical underpinnings and practical applications of a comprehensive approach to literacy instruction. Prerequisites: CIL 601 or consent of instructor.

CIL 610 - Content Area Literacy Credits 3

Development of literacy processes and strategies in content areas. Formerly CIL 710

CIL 616 - Teaching Writing Credits 3

Study of research-based practices and methods in teaching and assessing writing. Throughout the course students will explore the writing process through personal writing assignments. Formerly CIL 716

CIL 617 - SNWP Invitational Institute (Part 1) Credits 3

Examines writing and the teaching of writing by engaging in the process, demonstrating effective writing practices, planning school and community-based inquiry, creating writing anthologies and reading and responding to professional resources. Participants in the SNWP Invitational Institute explore writing and the teaching of writing by engaging in the process themselves, demonstrating effective writing practices, planning school and community-based inquiry, and reading and responding to professional resources. Formerly CIL 717 Notes: As an invitational institute, application and interview process required. Grading Letter Grade. Prerequisites: Application and interview. Graduate Standing.

CIL 621 - Assessment in Literacy Credits 3
Examines naturalistic assessment procedures in literacy based on a holistic philosophy. Students expected to field test selected assessment procedures. Strategies for improving instruction presented. K-12 perspective. Formerly CIL 72 Prerequisites: CIL 601 or consent of instructor.

CIL 622 - Practicum Literacy Diagnosis and Instruction Credits 3
Practicum in the application of principles, materials, and instructional strategies for teaching students with literacy difficulties. Formerly CIL 722 Prerequisites: CIL 621

CIL 642 - Instruction English Education Credits 3
Designed to connect the study of curriculum theory and research related to the teaching of English with the practices of teacher in the secondary English classroom. Methods for reading, writing, speaking and listening skills addressed. Formerly CIL 712

CIL 643 - Curriculum Development English Education Credits 3
Emphasizes research and curriculum studies dealing with content and procedures in the English/language arts. Formerly CIL 713

CIL 671 - Materials Selection School Library Credits 3
Study of research-based practices and methods of assessing and selecting school library material to meet curricular needs and reading interests and abilities of students. Methods of acquisition include design and implementation of collection development policies and survey of bibliographic tools used in the selection of K-12 materials. Formerly CIL 731

CIL 672 - Reference Methods and Resources School Library Credits 3
Study of research-based practices and methods of the school library's informational curricular support function including the role of the school library specialist as an information resource consultant, teacher and instructional partner. Examines selected print and electronic reference tools including dictionaries, encyclopedias, yearbooks, periodical indexes and subject area references. Formerly CIL 732

CIL 673 - Technology Applications School Library Credits 3
Examines the issues and methods for the application of library science-based technology in the school library. Formerly CIL 733

CIL 674 - Organization and Classification School Library Credits 3
Introduction to the principles, practices and trends of organizing information in the school library including the classification, cataloging, and processing of materials for effective access and retrieval. Formerly CIL 734 Prerequisites: CIL 671 and CIL 672 or consent of instructor. Corequisite: Concurrent or prerequisite CIL 673.

CIL 675 - Administration School Library Credits 3

Study of research-based principles and strategies for planning, organizing and administering school library programs and practices related to policy development, budgets, personnel, public relations, facilities planning, and systematic program planning and evaluation. Formerly CIL 735 Prerequisites: CIL 674

CIL 676 - Supervised Practicum School Library Credits 3
Supervised library practicum under the direction of professional librarians in school settings. Formerly CIL 736 Prerequisites: CIL 674 Corequisite: Concurrent or prerequisite CIL 675.

CIL 680 - Contemporary Literature Children and Young Adults Credits 3
Designed for teachers and librarians. Evaluation, selection, and use of recent literature for children and young adults. Formerly CIL 740 Notes: May be repeated after a six-year period.

CIL 684 - Multicultural Literature Credits 3
Study and critical evaluation of multicultural and multiethnic literature and media for children and young adults. Formerly CIL 741

CIL 687 - Literature-Based Instruction Credits 3
Study and application of principles and techniques of teaching reading and language arts with children's literature (trade books) as primary content. Formerly CIL 742 Prerequisites: CIL 680, CIL 681 or CIL 682

CIL 688 - Historical Development of Literature Credits 3
Survey of the development of literature for children; investigation of social and cultural factors affecting children's reading and the publication of children's books during different periods of United States history; critical analysis of the literary value of children's books. Formerly CIL 743 Prerequisites: CIL 680, CIL 681, or CIL 682 or consent of instructor.

CIL 691 - Organization and Supervision Literacy Programs Credits 3
For individual serving in or preparing for leadership roles in literacy. Emphasis on the effects of education reform; evaluation of model programs; design, implementation and evaluation of district-wide programs; development of guidelines for staff development. Formerly CIL 726 Prerequisites: Fifteen hours graduate coursework in literacy or consent of instructor.

CIL 693 - Literacy for a Diverse Society Credits 3
Advanced course work focuses on literacy issues for students, including diverse learners from various cultures, socioeconomic backgrounds, and language groups. Formerly CIL 728 Prerequisites: Fifteen hours graduate coursework in literacy or consent of instructor.

CIL 699 - Literacy Research Seminar Credits 3
Examination of seminal and current literacy education research through readings, writings, discussions, and presentations. Formerly CIG 717 Prerequisites: Fifteen hours of graduate coursework or consent of instructor.

CIL 747 - Literary Theories and Children's Literature Credits 3
Explores various theoretical positions within the framework of literary theory and how these positions have influenced reading and literature instruction. Participants will come to understand a range of perspectives within literary theory and be able to relate these theories to reading comprehension and literacy development. Prerequisites: CIL 740 or CIL 741

CIL 772 - Cognitive Foundations of Literacy Credits 3

Examines theories and research on cognition related to literacy learning and programs of literacy instruction for adults and children. Required of doctoral students in the literacy emphasis sequence. Prerequisites: Doctoral status.

CIL 774 - Historical Foundations of Literacy Research and Instruction Credits 3

Examines the historical foundations of literacy research and instruction. Overview of significance of research and theories within literacy and the implications for instruction today. Prerequisites: Doctoral status.

CIL 776 - Social and Political Issues in Literacy Credits 3

Examines the social and political implications of literacy access and development by investigating the role of literacy in culture, government, economics, technology and its future in society. Prerequisites: CIL 772 and CIL 774 or consent of instructor. Doctoral status.

CIL 782 - Theory and Research in the English/Language Arts Credits 3

Critical interpretation and evaluation of research and theoretical writing in English/language arts. Notes: Maximum of six credits accepted toward a degree. Prerequisites: EPY 702 and EPY 721 or consent of instructor. Doctoral status.

CIL 784 - Theory and Research in Literacy Credits 3

Critical review of major studies in literacy with the student identifying an area or areas which warrant investigation; planning a possible implementation of research proposal. Notes: Maximum of six credits accepted toward a degree. Prerequisites: Six hours of educational research from EPY 718, EPY 721, or EPY 722. Doctoral status.

CILR 601 - Foundations Literacy Learning Credits 3

Surveys theories and historical trends leading up to present day literacy instruction. Incorporates application of current research to the methods and philosophies of teaching reading and writing.

CILR604-LiteracyInstructionforYoungChildren Credits3

Current trends, practices, materials, and methods utilized in grades K-3. Includes language development, reading and writing development, and application of current research.

CILR 607 - Comprehensive Reading Instruction Credits 3

Study of historical developments, theoretical underpinnings and practical applications of a comprehensive approach to literacy instruction.

CILR 610 - Content Area Literacy Credits 3

Development of literacy processes and strategies in content areas.

CILR 621 - Assessment in Literacy Credits 3

Examines naturalistic assessment procedures in literacy based on a holistic philosophy. Students expected to field test selected assessment procedures. Strategies for improving instruction presented. K-12 perspective.

CILR 622 - Practicum Literacy Diagnosis and Instruction Credits 3

Practicum in the application of principles, materials, and instructional strategies for teaching students with literacy difficulties.

CILR 680 - Contemporary Literature for Children & Young Adults Credits 3

Designed for teachers and librarians. Evaluation, selection, and use of recent literature for children and young adults.

CIS 513A - Teaching Secondary Art Credits 3

Provides an overview of methods and materials to include instructional strategies, curriculum standards, and classroom management techniques for teaching secondary school art. Students must have completed or be currently enrolled in courses to complete three-fourths of the content coursework in art. Corequisite: CIS 602, CIS 603

CIS 533 - Teaching Secondary English Credits 3

This course is designed for preservice teachers planning to teach high school English. Course topics include methods, materials, teaching techniques, and strategies unique to the English classroom, as well as curriculum design, lesson planning, assessment, and current issues in the teaching of English. Notes: This course is crosslisted with EDSC 433. Credit at the 500 level requires additional work. Grading graded

CIS 543 - Teaching Secondary Foreign/Second Language Credits 3

Provides an overview of theories, methods, materials to include instructional strategies, curriculum standards, and classroom management techniques for teaching Languages Other Than English (LOTE) at the secondary school level. Students must have completed or be currently enrolled in courses to complete three-fourths of the content coursework in LOTE. Prerequisites: 20-24 semester credit hours of LOTE. Corequisite: CIS 602, CIS 603

CIS 553M - Teaching Middle School Mathematics Credits 3

Explore mathematics and its relation to education in grades 6 through 9. The focus is to develop skills in planning and teaching mathematics. Lessons incorporate use of technology, cooperative learning, and manipulatives while providing an environment to construct knowledge about arithmetic, algebra, geometry, probability, and statistics. Evaluation using formative and summative strategies. Notes: This course is crosslisted with EDMS 453. Credit at the 500-level requires additional work. Prerequisites: PPST Corequisite: Concurrent enrollment in a practicum

CIS 553S - Teaching Secondary Mathematics Credits 3

The focus is on developing skills in planning and teaching mathematics for grades 9 –12 that are consistent with Mathematics Standards. Students explore instructional strategies to develop understanding of concepts in the topic areas of arithmetic, algebra, geometry, trigonometry, calculus, probability, and statistics. Evaluation procedures use formative and summative strategies. Notes: This course is crosslisted with EDSC 453. Credit at the 500-level requires additional work. Prerequisites: PPST Corequisite: Concurrent enrollment in a practicum.

CIS 563 - Teaching Secondary Science Credits 3

This course is designed for candidates intending to teach high school science. Course topics include: assessing knowledge before instruction, designing curriculum, planning lessons, promoting inquiry-oriented teaching, teaching about evolution and nature of science, scientific literacy, laboratory safety, national and state standards, using technology, and assessing student learning. Notes: This course is crosslisted with EDSC 463. Credit at the 500-level requires additional work. Prerequisites: PPST Corequisite: Enrollment in a practicum and CIS 702.

CIS 573 - Teaching Secondary Social Studies Credits 3

Teaching Secondary Social Studies

CIS 601 - Secondary Teacher Development Seminar Credits 3

Designed for students entering the Secondary Graduate Licensure program. Examines contemporary trends for developing classroom expertise with observations in a middle or high school setting. Focuses on theory and practice in fostering personal and professional development for inservice teachers. Formerly CIS 701 Same as CIE 601 Prerequisites Graduate standing. Corequisite Admission to Graduate Licensure Program.

CIS 602 - Secondary School Practicum Credits 3

Designed for Secondary Graduate Licensure students. Exposure to contemporary urban educational settings and basic management and planning strategies through structured experiences in a middle or high school settings, supplemented with campus-based instruction. Formerly CIS 702 Prerequisites: PPST and CIS 601 Corequisite: CIS 603 and subject area methods.

CIS 603 - Secondary Process and Instruction Credits 3

Designed to examine effective teaching practices and theories. Students examine research literature in classroom organization and management, instructional planning, classroom contexts and conditions. Provides analyses of the secondary classroom processes, school context, and the community at large. Formerly CIS 703 Prerequisites: PPST and CIS 601 Corequisite: CIS 602 and subject area methods.

CIS 604 - Secondary Classroom Management Credits 3

Students engage in the examination of theories, models and application of classroom management to develop a personal philosophy and effective practices of managing contemporary middle and high school classrooms. Formerly CIS 711 Prerequisites: Graduate standing

CIS 617 - Topics Secondary Education Credits 1 – 3

Examines specific topics and issues related to content in secondary subjects. Formerly CIS 707 Notes: Maximum of six credits accepted toward a degree. Prerequisites: Current teaching certificate or consent of instructor.

CIS 618 - Instructional Methods Secondary School Credits 3

Study of research-based practice and methods related to curricular content in specific secondary subjects. Formerly CIS 708 Prerequisites: Current teaching certificate or consent of instructor.

CIS 620 - Topics Secondary School Mathematics Credits 1 - 3

Examines specific topics and issues related to content and pedagogy in secondary mathematics education. Same as CIE 620 Notes: maximum of six credits accepted toward a degree Prerequisites: Secondary mathematics undergraduate methods course and current teaching certificate.

CIS 622 - Instructional Middle School Mathematics Education Credits 3

Study of research-based practice and methods in middle school mathematics education. Prerequisites: EDEL 433 or EDMS 453 or EDSC 453 or consent of instructor.

CIS 624 - Instruction Secondary Mathematics Education Credits 3

Study of research-based practice and methods in secondary school mathematics education. Formerly CIS 724 Prerequisites: EDMS 453 or EDSC 453 or consent of instructor.

CIS 628 - Technology Application in Secondary Mathematics Education Credits 3

Study and development of research-based practices and methods of using computer-based technology to teach mathematics in secondary schools. Formerly CIS 728 Prerequisites: CIS 622 or CIS 624 or consent of instructor.

CIS 629 - Curriculum Development Secondary Mathematics Education Credits 3

Examines research and curriculum studies related to content and procedures within secondary school mathematics programs. Same as CIE 629 Prerequisites: CIS 622 or CIS 624 or consent of instructor.

CIS 630 - Topics Secondary School Science Credits 1 - 3

Examines specific topics and issues related to content and pedagogy in secondary science education. Same as CIE 630 Notes: Maximum of six credits accepted toward a degree. Prerequisites: Current teaching certificate or consent of instructor.

CIS 632 - Instruction Middle School Science Education Credits 3

This course is designed for teachers of middle school science. Course topics include: assessing knowledge before instruction, designing curriculum, planning lessons, promoting inquiry-oriented teaching, teaching about evolution and nature of science, scientific literacy, laboratory safety, national and state standards, using technology, and assessing student learning. Prerequisites; EDSC 463 or consent of instructor.

CIS 634 - Instruction Secondary Science Education Credits 3

Study of research-based practice and methods in secondary school science education. Prerequisites: EDSC 463 or EDSC 563 and current teaching certificate or consent of instructor.

CIS 638 - Technology Applications in Secondary Science Education Credits 3

Study and development of research-based practices and methods of using computer-based technology to teach science in secondary schools. Formerly CIS 738 Prerequisites: CIS 632 or CIS 634 or consent of instructor.

CIS 639 - Curriculum Development Secondary Science Education Credits 3

Examines research and curriculum studies related to content and procedures within secondary school science programs. Same as CIE 639 Prerequisites: CIS 632 or CIS 634 or consent of instructor.

CIS 640 - Topics Secondary Social Studies Education Credits 1 - 3

Examines specific topics and issues related to content and pedagogy in secondary social studies education. Same as CIE 640 Notes: Maximum of six credits accepted toward a degree. Prerequisites: Current teaching certificate or consent of instructor.

CIS 644 - Instruction Secondary Social Studies Education Credits 3

Study of research-based practice and methods in secondary school social studies education. Prerequisites; EDSC 473 or EDSC 573 and current teaching certificate

CIS 649 - Curriculum Development Secondary Social Studies Education Credits 3

Examines research and curriculum studies related to content and procedures within secondary school social studies programs. Same as CIE 649 Prerequisites: CIS 644 or consent of instructor.

CIS 682 - Secondary School Instruction Credits 3

Examines effective teaching practices derived from classroom-based research. Includes instructional planning, instructional strategies, motivational techniques, teaching models, and the teacher-as-researcher. Formerly CIS 704 Prerequisites: EDSC 481 or consent of instructor.

CIS 684 - Secondary Education Curriculum Credits 3

Examines the major input variables to curriculum decision-making at the secondary level. Emphasis on the levels of curriculum decision-making, decision implementations, and curriculum evaluation. Formerly CIS 705 Prerequisites: EDSC 481 or consent of instructor.

CIS 686 - Curriculum Development Secondary Education Credits 3

Introduces problem of conducting systematic inquiry in the curriculum field related to a subject area discipline, including generation of practical programs, curriculum research and theory, innovative proposals, and critical analysis. Current status of field, literature sources, and work of leading scholars. Prerequisites: CIS 618 or CIS 684

CIT 600 - Topics in Educational Technology Credits 1 - 6

Specialized course that explores current educational technology topics.

CIT 601 - Technology Applications Elementary Curriculum Credits 3

Study of issues and applications of digital technologies in elementary schools. Students will explore appropriate uses of technology and gain hands-on experience in developing instructional activities using technology applications. Formerly CIT 701 Same as CIT 602

CIT 602 - Technology Applications Secondary Curriculum Credits 3

Study of issues and applications of digital technologies in secondary schools. Students will explore appropriate uses of technology and gain hands-on experience in developing instructional activities using technology applications. Formerly CIT 702 Same as CIT 601

CIT 607 - Technology and Computational Thinking Credits 3

Examines current technologies as tools to support computational thinking practices such as abstraction, modeling, automation, and data analysis. Explores implications of technology supported computational thinking in a classroom setting. Formerly CIT 707 Grading Letter grade

CIT 608 - Integrating Technology in Teaching and Learning Credits 3

Study of research-based practices and methods of integrating technology to promote thinking and learning. Students actively explore contemporary technologies and environments for the production and consumption of information. Formerly CIT 720 and CIT 620. Prerequisites Coursework in educational technology or consent of instructor.

CIT 609 - Internet for Learning Credits 3

Examines the potential of the Internet to impact education and learning. Explores a wide range of online resources and how they can be integrated into instruction. Formerly CIT 709

CIT 611 - Digital Publishing for Educators Credits 3

Hands-on tutorials and design assignments for using page layout and graphics software to create well designed, effective publications for professional and instructional purposes. Topics include: design principles, layout techniques, graphics and type manipulation, importing media, and desktop publishing projects for the classroom. Formerly CIT 711 Prerequisites: Coursework in educational technology or consent of instructor.

CIT 622 - Microcomputer Technology for Educators Credits 3

In-depth look at how personal computers work. Microprocessors, printed circuit boards, bus structures, storage devices, and display options examined from the perspective of how they impact educational applications, purchasing decisions, and planning. Formerly CIT 722 Prerequisites: Coursework in educational technology or consent of instructor.

CIT 643 - Designing Digital Materials for Education Credits 3

Examines instructional design principles and applies them to the design of instructional software. Includes an introduction to computer programming. Explores various theories of learning as they apply to courseware. Formerly CIT 743 Prerequisites: CIT 608 or consent of instructor.

CIT 647 - Creating Online Learning Environments Credits 3

Educational Web site development using contemporary tools and contexts. Emphasis on web-based programming and user interface design. Formerly CIT 747 Prerequisites: CIT 609 or consent of instructor.

CIT 648 - Issues and Methods in Online Learning Credits 3

Addresses the theory and practice for online teaching and learning. Participants explore a range of resources and extend skills in creating and implementing digital learning activities. Emphasis is on pedagogical issues and trends in virtual schooling and distance education. Formerly CIT 768, CIT 668 Prerequisites: CIT 609 or consent of instructor.

CIT 649 - Instructional Methods Computer Applications Credits 3

Study of research-based practices and methods for teaching computer applications. Emphasis on developing project-based instructional activities for teaching digital technologies in the elementary/secondary classroom or professional development settings. Formerly CIT 749 Prerequisites: Coursework in educational technology or consent of instructor.

CIT 651 - Instructional Methods Computer Science Credits 3

Study of research-based practices and methods in the teaching of computer science topics including algorithmic processes and their principles, object orientation and programming, elements of software design and usability, data abstraction and logic structures, and interface design. Emphasis is on project-based learning (PBL) strategies in a web-based development environment. Formerly CIT 751 Prerequisites: Consent of instructor.

CIT 653 - Creating Digital Materials for Education Credits 3

Focus on current application programming languages and environments for developing digital educational materials. Focus on current application programming interfaces for developing digital educational materials. Formerly CIT 753 Prerequisites: CIT 643 or consent of instructor.

CIT 667 - Technology and Educational Change Credits 3
Examines issues and trends pertaining to the implementation of technology-based innovations. Includes a review of research on past and current change efforts. Topics covered include professional development, assessment, strategies for technology coordinators, grant writing, and long-range planning for effective change. Formerly CIT 767 Prerequisites: CIT 608 or consent of instructor.

CIT 669 - Advanced Web Design and Development for Educators Credits 3
Advanced educational web site development with emphasis on web-based programming and user interface design. Development environments such as JavaScript, Perl/ CGI, and brief introduction to Java explored. Formerly CIT 769 Prerequisites: CIT 647 or consent of instructor.

CIT 673 - Digital Materials Studio Credits 3
Project-based course emphasizing problem definition, instructional design, and product development. Students work individually and collaboratively on a set of relevant technical and pedagogical competencies. Formerly CIT 763 Prerequisites: CIT 643 or consent of instructor.

CIT 676 - Management of Educational Technology Facilities and Resources Credits 3
Advanced course focusing on problems and issues in procurement and management of educational computing applications, desktop workstations, computer laboratories, local and wide area networks, and support services. Consideration given to hardware and software interoperability; security for hardware, software and information; legal issues; health and safety factors; budgeting. Formerly CIT 766 Prerequisites: CIT 622

CIT 700 - Advanced Topics in Educational Technology Credits 1 – 6
Specialized course that explores current educational technology topics and issues.

CIT 770 - Foundations in Technology & Learning Credits 3
Emphasis is on critical review and analysis of computer-mediated communications, human-computer interaction, and human factors design research for learning contexts. Prerequisites: Doctoral status or consent of instructor.

CIT 772 - Technology in Teacher Education Credits 3
Examines issues and research on preparing teachers to enhance learning with technology. Topics include ISTE's National Educational Technology Standards (NETS) for Students and Teachers, technology integration in methods courses and field experiences, electronic portfolio assessment, one-to-one laptop projects, and online learning in teacher preparation and professional development. Prerequisites: Doctoral status or consent of instructor.

CIT 773 - Interaction Design Credits 3
In-depth examination of how human-computer interaction design influences learning. Prerequisites: Doctoral standing and/or consent of instructor. Students must have the ability to access and use UNLV's Web Campus learning management system.

CIT 774 - Behavioral Sciences & Technology Credits 3
Emphasis is placed on the critical review of theory-driven research in the general principles of behavioral and social processes in technological contexts. Prerequisites: Doctoral standing and/or consent of instructor. Students must have the ability to access and use UNLV's Web Campus learning management system.

CIT 775 - Affect & Technology Credits 3
In-depth examination of research that addresses the relationship between affect and learning as facilitated by technology. Prerequisites: Doctoral standing and/or consent of instructor. Students must have the ability to access and use UNLV's Web Campus learning management system.

CIT 776 - Emerging Technologies for Learning Credits 3
In depth examination of contemporary technologies for example, social media platforms, mobile technologies, games, and simulations. Prerequisites: Doctoral standing and/or consent of instructor. Students must have the ability to access and use UNLV's Web Campus learning management system.

CIT 778 - Instructional Design Credits 3
Trends, issues, and research findings on effective instructional planning, presentation, and evaluation. Prerequisites: Doctoral status or consent of instructor.

CIT 780 - Educational Technology Research and Practice Credits 3
Examines the latest research regarding learning and educational technology. Research supported principles will be applied in the development of instructional materials. This course can be taken up to 3 times for a total of 9 credit hours. Prerequisites: CIT 770 or consent of instructor.

CIT 782 - Distance Education Issues and Trends Credits 3
Study of issues, and trends in Distance Education. Examines distance education history, research, practice, and program/course development. Prerequisites: Doctoral status or consent of instructor.

CME 700 - Social Justice Education Credits 3
In developing citizens committed to social justice educators must recognize how schools function within an untenable contradiction to respond to the needs of hierarchies associated with the capitalist labor force/marketplace, and create equality of access to rights and opportunities for the nation's residents promised by an ostensibly democratic republic. Formerly CIG 774 Prerequisites: Graduate standing.

CME 705 - Multicultural Education Credits 3
Critically documents, across academic subject areas/levels, and questions the accuracy, completeness, and efficacy of, what is taught, how, in what contexts, by/ for whom, and toward what ends; establishes processes for enacting education practices that interrupt, remediate, and eradicate systemic educational inequities and ensure educational success for all students. Formerly CIG 660 Grading Letter Grade. Prerequisites: Graduate standing.

CME 710 - Cultural Studies in Education Credits 3
Critically examines, through sociohistorical, sociopolitical, and conceptual/theoretical lenses, relationships of power in society and schools, specifically how these relationships impact culture, cultural knowledge, and collective identity formation in dominant and counterpublic spaces, mass and enclave media, and pedagogical contexts that impact children and youth. Formerly CIG 772 Notes: This is a compulsory core for those in the International and Cultural Studies emphasis area. Grading Letter Grade. Prerequisites: Graduate standing.

CME 715 - Multicultural Education For Teacher License Recertification Credits 3
This course is designed as a specialized review of multicultural education for students who are in-service teachers pursuing State of Nevada teaching recertification. Formerly CIG 665 Prerequisites: Students seeking teacher license recertification.

CME 720 - International and Comparative Studies in Education Credits 3

Comparative examination of educational practices/systems around the world. Engages critical views of comparative, intra-/inter-country, international, global north-south binary, and other educational constructs that perpetuate westernization/dominance of neoliberal approaches to/organization of education. Analyzes influences, dilemmas, and goals of different practices/systems and the implications of comparisons. Formerly CIG 771 Grading Letter Grade. Prerequisites: Graduate standing.

CME 725 - Current Topics in Multicultural Education Credits 3

Critical examination of current topics of concern and importance to the field of multicultural education and for multicultural education. The topics at focus in this course will vary from semester to semester in order to keep pace with emerging trends. Formerly CIG 661 Notes: Maximum of six credits accepted toward a degree. Grading Letter Grade. Prerequisites: Graduate standing.

CME 730 - Intersectional Analysis in Multicultural Education Credits 3

A systematic examination of the intersections of race, ethnicity, class, gender, sexuality and the other dimensions of difference; intellectual and axiomatic commitment to re-thinking and re-shaping concepts and theories that have treated these dimensions as discrete; a foregrounding of interests of those who are persistently unseen in education and beyond. Formerly CIG 745

CME 735 - Multicultural Curriculum Transformation Credits 3

Learn how to transform “mainstream,” “traditional,” or “Eurocentric” PK-12 and higher education curricula into critical multicultural educational curricula in discipline- and academic level specific manners, to improve teaching effectiveness, student learning outcomes, and the overall quality of teaching and learning. Formerly CIG 663

CME 740 - Intergroup Dialogue Facilitation Credits 3

Learn about what intergroup dialogue is, its basis in social identity, how to co-facilitate it, and how to go about building a for-credit intergroup dialogue program experience for undergraduate students that would fulfill their diversity core course requirement. Formerly CIG 778

CME 745 - Theory and Research in Multicultural Education Credits 3

How theory is used in research/multicultural education research; conceptual/theoretical frameworks in multicultural education research; themes/gaps in multicultural education research; use of critical theory to inform critical qualitative/quantitative inquiry to build bodies of critical multicultural educational research that inform/are informed by deschooled/radically re-imagined educational spaces. Formerly CIG 662 Grading Letter Grade. Prerequisites: Graduate standing.

CME 750 - Critical Multicultural Education Credits 3

An exploration of critical or sociopolitically-located multicultural educational realities; realities in which institutional dynamics of power, juxtaposed with individual dynamics of power, are centered in the curriculum, especially as these realities manifest relative to public education. Formerly CIG 740 Grading Letter grade

CME 755 - Teaching about Latina/Latino Experiences in Education Credits 3

Examine the various sociopolitical, sociocultural, sociohistorical, and other factors that have shaped, and continue to shape, the PK-16 schooling experiences of Latina/Latino youth. Learn to use a community cultural wealth lens to develop critical understanding of the educational challenges that Latina/Latino students’ encounter in schools. Formerly CIG 667 Grading Letter grade

CME 760 - Critical Race Theory in Education Credits 3

Critical race theory (CRT) is defined as a race-focused analytical framework for re-examining and challenging social inequalities. CRT applications to education are examined. Key CRT concepts, such as counterstory, interest convergence, critiques of liberalism, colorblindness, whiteness as property, and the permanence of racism, will be explored.

CME 765 - Analysis of the School-to-Prison Pipeline Credits 3

Understanding the policies and practices that push PK-12 students, especially historically marginalized and minoritized students, out of classrooms and schools and into the juvenile and criminal justice systems, revealing the prioritization of incarceration over education. Grading Letter Grade.

CME 770 - Critical Inquiry and Praxis Credits 3

A critical exploration and application of emergent, collaborative, indigenous, advocacy, and other social justice-oriented approaches to inquiry. Undertake multi-perspectival analysis and implementation of various criticalizing processes embedded in each inquiry approach. Formerly CIG 793

CME 775 - Multicultural Organizational Development Credits 3

Blending core elements of multicultural education and organizational development, examine how various dimensions of social identity relative to institutional norms show up and/or play out in day-to-day operations in any given workplace. Learn to facilitate organizational change from exclusionary monoculturalism to critical multiculturalism. Formerly CIG 664 Grading Letter grade

CME 780 - Critical Whiteness Studies in Education Credits 3

How whiteness manifests in schools/society; makes whiteness visible; reveals whiteness as a set of discursive practices that produce racialized subjects; analyzes how whiteness works; explores the material effects of white privilege; defines race as a social construction; explores the continuing racial impact of history on the present. Grading Letter Grade.

ESP 723 - Learning Strategies Instruction Credits 3

Theoretical and practical aspects of implementing a learning strategy curriculum within elementary and secondary school environments. Class participants analyze, synthesize, and modify instructional strategies to meet the needs of students with disabilities. Prerequisites ESP 701

TESL 761 - Literacy Development in the Bilingual Classroom Credits 3

Current trends, practices, materials, and methods in literacy instruction in a bilingual (Spanish-English) classroom, including Spanish language development, reading and writing development, and application of research.

TESL 764 - Assessment Bilingual Classroom Credits 3

Assessment of bilingual (Spanish-English) students; selection of appropriate bilingual (Spanish-English) assessment instruments, their administration, scoring, and interpretation. Formerly CIL 664. Prerequisites: TESL 752

TESL 765 - Curriculum Development Bilingual Classroom Credits 3

Principles of curriculum organization, development, adaptation, and implementation of a bilingual (Spanish-English) curriculum.
Prerequisites: TESL 752

Howard R. Hughes College of Engineering

At the Howard R. Hughes College of Engineering, we strive by our mission: Educate, Engage, Inspire, Innovate.

We are dedicated to:

- Creating hands-on experiential learning for all our students,
- Fostering an environment of innovation that allows the pursuit of high-impact research,
- Engaging the community and collaborating with partners to reach creative solutions for societal problems, and
- Inspiring the next generation of technology entrepreneurs.

As a graduate student in our college, you will join a thriving community of scholars who pursue cutting-edge research in many fields. Our students have access to first-class research facilities as well as world-renowned faculty members who have won national and international recognition in their research areas. Our students and faculty explore many areas, including nanomaterials and devices, unmanned aerial systems and robotics, big data, cybersecurity, air and water quality resources, transportation, renewable energy, sensors and systems for space, and national security applications.

We also offer our students premier graduate programs in a variety of disciplines, including computer science, big data, and cybersecurity along with aerospace, biomedical, civil, environmental, electrical, materials, mechanical, nuclear, and transportation engineering, and construction management.

Our graduates work locally, nationally, and internationally in some of the top laboratories, research centers, universities, and corporations across the world.

As the boundaries of science and engineering continue to expand, UNLV's Howard R. Hughes College of Engineering is committed to offering our students a variety of competitive graduate programs and certificates. We are confident you will find our graduate programs both challenging and rewarding.

Rama Venkat, Ph.D., Dean, Howard R. Hughes College of Engineering

Mohamed Trabia, Ph.D., Associate Dean for Research, Howard R. Hughes College of Engineering

Programs

Civil and Environmental Engineering and Construction

Computer Science

Electrical and Computer Engineering

Mechanical Engineering

Plans

Graduate Certificate in Solar & Renewable Energy

Graduate Certificate in Solar & Renewable Energy

Plan Description

The Howard R. Hughes College of Engineering offers a Graduate Certificate in Solar and Renewable (SRE) Energy. The Certificate is designed for individuals already in possession of either a baccalaureate degree or a graduate degree. More specifically, the Certificate provides a specialized qualification for career professionals in the energy industry, professionals from other fields and individuals with baccalaureate degrees seeking entry into the renewable energy field, or currently enrolled graduate students seeking an additional specialization. This Certificate is designed to:

- Provide an interdisciplinary approach to SRE grounded in the three critical pillars of policy and governance, technology and physical science, and the built environment.
- Develop within students the intellectual and problem-solving foundation for a successful professional career in the SRE field.
- Improve the overall effectiveness of the solar and renewable energy sector in Nevada and the Western U.S.

Students earning the Certificate may apply for admission into UNLV graduate degree programs as long as they meet the existing admissions criteria for said programs.

For more information about your program, including your graduate program handbook and learning outcomes, please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

- Applicants must have earned an undergraduate degree from a regionally accredited college or university with an overall undergraduate GPA of 2.75 or higher.
- Applicants must be accepted by the Graduate College and the Advisory/Admissions Committee for the SRE Certificate program.
- All applicants must review and follow the Graduate College Admission and Registration Requirements.

Students are accepted into a certificate program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

Total Credits Required: 18

Course Requirements

Required Course – Credits: 3

- ME 677 - Solar and Renewable Energy Utilization

Environmental Decision Making Course – Credits: 3

Complete one of the following courses:

- ENV 702 - Environmental Problem Solving
- ENV 720 - Natural Resource Valuation
- PAF 703 - Institutions and Policy Decisions

Built Environment Course – Credits: 3

Complete one of the following courses:

CEM 680 - Sustainable Construction

ABS 632 - Solar Energy Applications in Architecture

Energy Policy Course – Credits: 3

Complete three credits from the following list of courses:

- ENV 611 - Environmental Risk Management
- ENV 702 - Environmental Problem Solving
- ENV 703 - Environmental Law and Policy Seminar
- ENV 711 - Risk Assessment and Risk Management
- ENV 720 - Natural Resource Valuation
- ENV 750 - Environmental Studies and Public Policy
- LAW 651 - Environmental Quality Law
- ECO 707 - Environmental and Natural Resource Economics
- PAF 701 - Origins and Development of Public Policy in America
- PAF 702 - Role of Government in Society
- PUA 725 - Policy Analysis and Program Evaluation
- PUA 745 - Administration in a Federal and Intergovernmental Perspective
- PUA 756 - Policy Implementation

Engineering & Science Course – Credits: 3

Complete three credits from the following list of courses:

- CEM 680 - Sustainable Construction
- CEM 755 - Renewable Energy Capital Facility Projects
- ABS 531 - Environmental Control Systems I
- ABS 532 - Environmental Control Systems II
- ABS 632 - Solar Energy Applications in Architecture
- GEOL 610 - Soil Classification and Resource Management

- GEOL 630 - Geographic Information Systems (GIS): Theory and Applications
- GEOL 646 - Geologic Applications in Remote Sensing
- ENV 660 - Environmental Modeling
- ENV 680 - Geographic Information Systems for Environmental & Socioeconomic Analysis
- ECG 646 - Photovoltaic Devices and Systems
- ECG 642 - Power Electronics
- ECG 653 - Introduction to Nanotechnology
- ECG 740 - Computer Analysis Methods for Power Systems
- ECG 741 - Electric Power Distribution System Engineering
- ECG 742 - Power System Stability and Control
- ECG 757 - Electron Transport Phenomena in Solid State Devices
- ME 619 - Advanced HVAC and Energy Conservation Systems
- ME 705 - Conduction Heat Transfer
- ME 707 - Radiation Heat Transfer
- ME 711 - Advanced Thermodynamics
- ME 714 - Computational Aspects of Solar Energy
- ME 746 - Experimental Design and Analysis of Digital Process Control Systems

Elective Course – Credits: 3

Complete three credits from the Energy Policy or Engineering & Science courses listed above.

Certificate Requirements

Completion of a minimum 18 credit hours with a minimum GPA of 3.00.

Plan Certificate Completion Requirements

The student must submit all required forms to the Graduate College and then apply for graduation in MyUNLV by the appropriate deadline.

Civil and Environmental Engineering and Construction

Well-equipped facilities developed by the department faculty include a computer assisted design laboratory, an engineering geophysics laboratory and test site, an environmental engineering laboratory, a soil and rock mechanics laboratory, the Nevada University Transportation Center, and a water resources laboratory. These facilities provide state-of-the-art research tools. Among these are a MTS dynamic testing machine, a triaxial testing apparatus, a large-scale structural load

frame, a 50-foot tilting flume, concrete testing facilities, a portable wind tunnel, a broad geophysical test equipment base anchored by a 7,000-lb (3 metric ton) programmable seismic source with 144-channel recording system, PCs, workstations, and current software programs are available within these facilities, with additional facilities being available in the college. Additional assets include access to high speed multiprocessor computers housed in the National Supercomputing Center for Energy and the Environment. Facilities are located in the Thomas T. Beam Engineering Complex. Additional research facilities nearby include one of twelve national EPA laboratories (located on campus) and the Department of Energy's Nevada Test Site, which has been designated an Environmental Research Park.

Students with backgrounds in civil engineering as well as related disciplines are invited to apply. Students with science backgrounds desiring admission to the graduate program will be required to complete coursework, prerequisite or otherwise, that will assure successful completion of the graduate program. Specific coursework requirements will depend on the area of specialization desired by the applicant.

Civil engineering applicants must identify a specialization from one of the following areas: construction, geotechnical, structural, transportation or water resources/environmental. Applications for admission to the program are evaluated by faculty members representing each of the respective areas of specialization.

Applications from international students must reach the Graduate College by the dates specified on the Application Deadlines page in order to be considered for financial aid. Offers of financial aid are made in writing by the department, which assumes no responsibility to provide financial support unless an offer is made in writing. Also, when the department has made an offer to provide financial support, it has no obligation to honor the offer unless the student attends UNLV and enrolls in the civil and environmental engineering and construction graduate program during the initial semester for which financial aid was offered.

Applicants should notice that some documents must be mailed to the Graduate College while others must be mailed to the Department of Civil and Environmental Engineering and Construction. It is imperative that the documentation is sent to the appropriate location to aid fast processing of the application.

Sajjad Ahmad, Ph.D., Chair
Pramen P. Shrestha, Ph.D., Graduate Coordinator

Civil and Environmental Engineering Faculty

Chair

Ahmad, Sajjad

Professor; B.S., University of Engineering and Technology, Lahore, Pakistan; M.E., Asian Institute of Technology, Bangkok, Thailand; Ph.D., University of Western Ontario, London, Ontario, Canada. Rebel since 2006.

Graduate Coordinator

Shrestha, Pramen P.

Professor; B.S., National Institute of Technology, India; M.S., Oklahoma State University; Ph.D., University of Texas at Austin; P.E. (Texas). Rebel since 2007.

Graduate Faculty

Batista, Jacimaria Ramos - Full Graduate Faculty

Professor; B.S., Federal University of Ouro Preto; M.S., Montana College of Mineral Science and Technology; Ph.D., Pennsylvania State University. Rebel since 1997.

Choi, Jin Ouk - Full Graduate Faculty

Assistant Professor; B.S., Korea University; M.S., Ph.D., University of Texas at Austin. Rebel since 2016.

Gerrity, Daniel - Full Graduate Faculty

Associate Professor; B.S., M.S., Ph.D., Arizona State University. Rebel since 2012.

Ghafoori, Nader - Full Graduate Faculty

Professor; B.S.C.E., Texas Tech University; M.S.C.E., Ph.D., University of Miami. Rebel since 2003.

Hayes, Donald - Full Graduate Faculty

Professor; B.S.C.E., M.S.C.E., Mississippi State University; Ph.D., Colorado State University; P.E. Louisiana and Mississippi. Rebel since 2011.

James, David E. - Full Graduate Faculty

Associate Professor; A.B., University of California, Davis; M.S., Ph.D., California Institute of Technology. Rebel since 1990.

Karakouzian, Moses - Full Graduate Faculty

Professor; B.C.E., American University of Beirut; M.S., M.B.A., Ph.D., Ohio State University; Nevada. Rebel since 1988.

Kaseko, Mohamed S. - Full Graduate Faculty

Associate Professor; B.S., University of Dares-Salaam; M.S., Cornell University; Ph.D., University of California, Irvine. Rebel since 1993.

Kahn, Eakalak - Full Graduate Faculty

Professor; B.Eng., Chang Mai University; M.S., University of Hawai'i Manoa, M.S., Ph.D., University of California, Los Angeles. Rebel since 2017.

Ladkany, Samaan - Full Graduate Faculty

Professor; B.S., American University of Beirut; B.S., M.S., Ph.D., University of Wisconsin, Madison. Rebel since 1984.

Luke, Barbara - Full Graduate Faculty

Professor; A.A., University of Florida; B.S., Ph.D., University of Texas at Austin; M.S., University of California, Berkeley. Rebel since 1995.

Marti, Erica - Full Graduate Faculty

Assistant Professor; B.S., University of Illinois at Urbana-Champaign; M.Ed., M.S., Ph.D., University of Nevada, Las Vegas. Rebel since 2017.

Opfer, Neil - Full Graduate Faculty

Associate Professor; B.S., B.A., B.A., Washington State University; M.S., Purdue University; P.D. Engineering, University of Wisconsin. Rebel since 1989.

Pajouh, Mojdeh - Full Graduate Faculty

Assistant Professor; B.Sc., KNT University of Technology; M.Sc., Tehran Polytechnic; Ph.D., Texas A&M University. Rebel since 2018.

Park, Jee - Full Graduate Faculty

Assistant Professor; B.S., University of Hawai'i Manoa; M.S., Stanford University; Ph.D., Georgia Institute of Technology. Rebel since 2017.

Paz, Alexander - Full Graduate Faculty

Assistant Professor; B.S., University of Cauca, Colombia; M.S., University of Puerto Rico, Mayaguez Campus, PR; Ph.D., Purdue University. Rebel since 2008.

Sherman, Ryan - Full Graduate Faculty

Assistant Professor; B.S. Michigan Technical University; M.S., Ph.D. Purdue University. Rebel since 2016

Stephen, Haroon - Full Graduate Faculty

Associate Professor; B.S., University of Agriculture; M.Eng., Asian Institute of Technology; Ph.D., Electrical and Computer Engineering, Brigham Young University. Rebel since 2011.

Teng, Hualiang - Full Graduate Faculty

Professor; B.S., M.S., Northern Jiaotong University; M.S.C.E., West Virginia University; Ph.D., Purdue University. Rebel since 2004.

Tian, Ying - Full Graduate Faculty

Professor; B.S., Hebei Polytechnic University; M.S., Tsinghua University; M.S., Ohio State University; Ph.D., University of Texas at Austin. Rebel since 2007.

Professor Emeriti

Frederick, Gerald R.

Emeritus Professor; B.S., University of Toledo; M.S., Ph.D., Purdue University. UNLV Emeritus 1993.

Luke, Barbara

Professor; A.A., University of Florida; B.S., Ph.D., University of Texas at Austin; M.S., University of California, Berkeley. UNLV Emeritus 1995.

Vodrazka, Walter C.

Emeritus Professor; B.C.E., Manhattan College; M.S., Mississippi State University; Ph.D., Purdue University. UNLV Emeritus 1990.

Wyman, Richard V.

Emeritus Professor; B.S., Case Western Reserve University; M.S., University of Michigan; Ph.D., University of Arizona. UNLV Emeritus 1969.

Plans

Master of Science in Engineering - Civil and Environmental Engineering

Master of Science - Construction Management

Master of Science in Transportation

Doctor of Philosophy - Civil and Environmental Engineering

Master of Science in Engineering - Civil and Environmental Engineering

Plan Description

The Department of Civil and Environmental Engineering and Construction (CEEC) at UNLV offers a number of program degree options leading to the Master of Science in Engineering (M.S.E.) - Civil and Environmental Engineering. Specific areas of engineering that are currently available include Construction, Geotechnical, Structural, Transportation, and Water Resources/Environmental. Two tracks (thesis and project) are available in M.S.E. degree program along with an Integrated BS-MSE Thesis Track for currently enrolled

CEEC undergraduate students.

For more information about your program, including your graduate program handbook and learning outcomes please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

1. Applications available on the UNLV Graduate College website.
2. Admission to the program leading to the M.S.E. degree in thesis and project tracks is open to those students completing the following requirements:
3. Applications must include all documentation as required by the Graduate College. Applications should be submitted through the Grad Rebel Gateway system.
4. Applicant must have a bachelor's degree in engineering or a closely-related discipline with an overall GPA of 2.75 (4.00=A) and a GPA of 3.0 (4.00=A) for the last 60 credit hours (semester basis) of undergraduate program. Applicants desiring to specialize in environmental engineering who have baccalaureate degrees in the natural sciences may require at least an additional semester of fulltime study to complete engineering prerequisite undergraduate course work; this may include fluid mechanics, calculus through differential equations, engineering physics, chemistry and engineering economics. Successful environmental engineering applicants are expected to complete a set of graduate courses in engineering hydrology, hydraulics, statistics, water and wastewater treatment, and wastewater treatment plant design during their graduate study. The CEEC Graduate Program Committee (GPC) and Graduate Coordinator make all the final decisions after review of each applicant's records and admissions information.
5. The applicant must submit a Statement of Intent (SOI) with no more than two pages, indicating his/her interests in the area of specialization (construction, geotechnical, structural, transportation, and water resources/environmental) and objectives in working toward a M.S.E. degree. In addition, two letters of recommendation (LOR) must be submitted from individuals familiar with the applicant's knowledge, skills and abilities. It is highly recommended that LOR be written on official letter head.
6. International applicants must meet English proficiency requirements established in the UNLV Graduate Catalog.
7. All applicants are required to take GRE General Test and submit the scores to the University of Nevada, Las Vegas (code 4861). Successful applicants generally have a combined verbal and quantitative GRE score of at least 300 and analytical writing score of at least 3.

8. All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.

Additional Requirements for the Integrated BS-MSE Thesis Track

This program is designed to provide high-achieving CEEC undergraduate students with the opportunity to be exposed to graduate courses and encourage them to continue with a graduate degree by reducing the time needed for degree completion. Up to six credit hours of approved graduate-level coursework with grades of B or better can be taken as technical electives during the senior year. Those credit hours will be also counted towards the graduate degree coursework. The following additional requirements must be satisfied:

1. A minimum of two semesters of fulltime enrollment in B.S. of Civil and Environmental Engineering program at UNLV is required.
2. A minimum of 90 credit hours of course work applicable to the B.S. of Civil and Environmental Engineering degree must be completed before beginning the joint degree program.
3. An overall cumulative GPA of 3.20 or higher is needed to begin the Integrated BS-MSE Thesis Track degree program.

Once a student has been admitted into the Integrated BS-MSE Thesis Track program, they must then submit an application for an M.S.E. program in Civil Engineering. The student has to follow the normal application procedures found on the UNLV Graduate College website. Additionally,

1. Student must meet all departmental and Graduate College application deadlines.
2. Student should indicate in their application materials that they are participating in the Integrated BS-MSE Thesis Track program.
3. Student should request a letter of nomination from a CEEC faculty member. Submit this letter along with a short resume (no more than 2 pages). The materials will be evaluated by three faculty members in the student's technical area of interest or nearby areas.
4. Student must choose the Integrated BS-M.S.E. Thesis Track

Students are accepted into a degree program as described in the Graduate Catalog. The faculty, specific areas, and degree tracks within the described programs are subject to change at any time.

Plan Requirements

See Subplan Requirements below.

Subplan 1: Thesis Track

Subplan 2: Project Track

Subplan 3: The Integrated BS-MSE Thesis Track

Subplan 1 Requirements: Thesis Track

Total Credits Required: 30

Course Requirements

Required Course – Credits: 3

- CEE 700 - Research Methods in Civil and Environmental Engineering

Elective Courses – Credits: 18

Students must successfully complete a minimum of 3 courses from one of the five categories in the following discipline-based list:

Construction

- CEM 651 - Construction Estimating
- CEM 653 - Construction Scheduling and Resource Optimization
- CEM 751 - Construction Cost Analysis and Estimating
- CEE 609 - Engineering Project Management
- CEE 710 - Modular Construction
- CEE 720 - Information and Sensing Technology in Construction
- CEE 785 - Construction Engineering Management

Geotechnical

- CEE 710 - Modular Construction
- CEE 731 - Pavement Materials and Design
- CEE 732 - Advanced Foundation Engineering
- CEE 734 - Advanced Soil Mechanics
- CEE 736 - Earth Slopes and Retaining Structures
- CEE 737 - Soil Dynamics and Earthquake Engineering
- CEE 741 - Design of Highway Bridge Structures
- CEE 785 - Construction Engineering Management

Transportation

- CEE 725 - Freight Transportation
- CEE 726 - Railroad Operations
- CEE 735 - Earth Dams and Embankments
- CEE 761 - Transportation Demand Analysis
- CEE 762 - Operations Research Applications in Civil Engineering
- CEE 763 - Advanced Traffic Engineering
- Structure
- CEE 741 - Design of Highway Bridge Structures
- CEE 744 - Design of Prestressed/Post-Tensioned Concrete Structures

- CEE 748 - Advanced Design of Timber Structures
- CEE 775 - Seismic Response of Structures
- CEE 780 - Advanced Reinforced Concrete Structures

Water Resources/ Environmental

- CEE 704 - Environmental & Water Systems
- CEE 709 - Numerical Methods in Mechanics
- CEE 750 - Urban Runoff Quality and Control
- CEE 751 - Water Reuse Principles and Design
- CEE 754 - Biochemical Wastewater Treatment Fundamentals
- CEE 755 - Advanced Physicochemical Methods for Water Treatment
- CEE 756 - Advanced Waste Treatment Design
- CEE 757 - Engineering Modeling of Natural Systems
- CEE 758 - Air Quality Modeling
- CEE 759 - Mass Transfer in Environmental Systems
- CEE 768 - Applied Geographic Information Systems

(Optional) Graduate Internship Course - Credit: Maximum up to 1

Students engaged in Curricular Practical Training (CPT) must take CEE 792. The course can be taken maximum one time during their study. However, the credit will not be counted towards the degree.

- CEE 792 - Graduate Internship for Master in Civil Engineering and Transportation

Thesis – Credits: 9

- CEE 797 - Thesis in Civil Engineering

Degree Requirements

1. A Thesis Advisory Committee composed of at least four members of the UNLV graduate faculty is to be formed for the student. At least two of the committee members must be from tenured or tenure-track faculty of the CEEC Department and the third member from a related field. The fourth faculty member, the Graduate College Representative, is recommended by advisor/advisee and appointed by the Graduate College. It is recommended that the Thesis Advisory Committee collective expertise reflects the thesis topic. The committee chair must be a faculty from the area of expertise chosen for thesis topic.
2. In addition to CEE 700, all students must successfully complete a minimum of 18 credit hours of approved graduate courses, out of which a minimum of 3 courses from one of the five categories in the discipline-based list provided above.
3. In addition to the coursework requirements, 9 credits of research work associated with the master's level thesis (CEE 797) with the outcome being a manuscript

written for a specific indexed conference or journal.

4. At least 50% of the courses (600 and 700 level) within the total coursework must be from the College of Engineering.
5. At least 50% of the courses within the total coursework must be 700 level.
6. Students must maintain a minimum grade point average of 3.00. A course in which a grade of less than C was earned will not be considered for use toward the degree.
7. All requirements for the M.S.E. are met upon the satisfactory completion of the proposed research, the submission of a satisfactory thesis, and the successful oral defense of the thesis before the Thesis Advisory Committee.

Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
2. The student must submit and successfully defend his/her thesis by the posted deadline. The defense must be advertised and is open to the public.
3. After the thesis defense, the student must electronically submit a properly formatted pdf copy of their thesis to the Graduate College for format check. Once the thesis format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for thesis defenses, format check submissions, and the final ProQuest submission can be found here.

Subplan 2 Requirements: Project Track

Total Credits Required: 30

Course Requirements

Elective Courses - Credits: 27

Students must successfully complete a minimum of 3 courses from one of the five categories in the following discipline-based list.

Construction

- CEE 609 - Engineering Project Management
- CEM 651 - Construction Estimating
- CEM 653 - Construction Scheduling and Resource Optimization
- CEM 705 - Construction Engineering Management
- CEM 751 - Construction Cost Analysis and Estimating
- CEE 710 - Modular Construction
- CEE 720 - Information and Sensing Technology in Construction

Geotechnical

- CEE 710 - Modular Construction
- CEE 731 - Pavement Materials and Design
- CEE 732 - Advanced Foundation Engineering
- CEE 734 - Advanced Soil Mechanics
- CEE 736 - Earth Slopes and Retaining Structures
- CEE 737 - Soil Dynamics and Earthquake Engineering
- CEE 741 - Design of Highway Bridge Structures
- CEE 785 - Construction Engineering Management

Transportation

- CEE 725 - Freight Transportation
- CEE 726 - Railroad Operations
- CEE 735 - Earth Dams and Embankments
- CEE 761 - Transportation Demand Analysis
- CEE 762 - Operations Research Applications in Civil Engineering
- CEE 763 - Advanced Traffic Engineering

Structure

- CEE 741 - Design of Highway Bridge Structures
- CEE 744 - Design of Prestressed/Post-Tensioned Concrete Structures
- CEE 748 - Advanced Design of Timber Structures
- CEE 775 - Seismic Response of Structures
- CEE 780 - Advanced Reinforced Concrete Structures

Water Resources/ Environmental

- CEE 704 - Environmental & Water Systems
- CEE 709 - Numerical Methods in Mechanics
- CEE 750 - Urban Runoff Quality and Control
- CEE 751 - Water Reuse Principles and Design
- CEE 754 - Biochemical Wastewater Treatment Fundamentals
- CEE 755 - Advanced Physicochemical Methods for Water Treatment
- CEE 756 - Advanced Waste Treatment Design
- CEE 757 - Engineering Modeling of Natural Systems
- CEE 758 - Air Quality Modeling
- CEE 759 - Mass Transfer in Environmental Systems
- CEE 768 - Applied Geographic Information Systems

(Optional) Graduate Internship Course - Credit: Maximum up to 1

Students engaged in Curricular Practical Training (CPT) must take CEE 792. The course can be taken maximum one time during their study. However, the credit will not be counted towards the degree.

- CEE 792 - Graduate Internship for Master in Civil Engineering and Transportation

Project - Credits: 3

- CEE 796 - Design Project in Civil Engineering

Degree Requirements

1. The student's Advisor should be tenured or a tenure-track faculty member of the CEEC Department. An advisory committee is not required.
2. Students must complete a minimum of 27 credit hours of approved graduate-level courses, out of which a minimum of 3 courses from one of the five categories in the discipline-based list provided above, and 3 credits of project work associated with the master's level project (CEE 796) with the outcome being a paper written for a specific indexed conference or journal.
3. At least 50% of the courses (600 and 700 level) within the total coursework must be from the College of Engineering.
4. At least 50% of the courses within the total coursework must be 700 level.
5. Students must maintain a minimum grade point average of 3.00. A course in which a grade of less than C was earned will not be considered for use toward the degree.
6. All requirements for the M.S.E. are met upon the satisfactory completion of the project, and the submission of a satisfactory project report to the Advisor.

Graduation Requirements

The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.

The student must successfully complete a project and submit a project report.

Subplan 3 Requirements: The Integrated BS-MSE Thesis Track

Total Credits Required: 30

Course Requirements

Required Courses - Credits: 3

- CEE 700 - Research Methods in Civil and Environmental Engineering

Elective Courses - Credits: 18

Students must successfully complete a minimum of 3 courses from one of the five categories in the following discipline-based list:

Construction

- CEE 609 - Engineering Project Management

- CEM 651 - Construction Estimating
- CEM 653 - Construction Scheduling and Resource Optimization
- CEM 705 - Construction Engineering Management
- CEM 751 - Construction Cost Analysis and Estimating
- CEE 710 - Modular Construction
- CEE 720 - Information and Sensing Technology in Construction
- CEE 785 - Construction Engineering Management

Geotechnical

- CEE 710 - Modular Construction
- CEE 731 - Pavement Materials and Design
- CEE 732 - Advanced Foundation Engineering
- CEE 734 - Advanced Soil Mechanics
- CEE 736 - Earth Slopes and Retaining Structures
- CEE 737 - Soil Dynamics and Earthquake Engineering
- CEE 741 - Design of Highway Bridge Structures
- CEE 785 - Construction Engineering Management

Transportation

- CEE 725 - Freight Transportation
- CEE 726 - Railroad Operations
- CEE 735 - Earth Dams and Embankments
- CEE 761 - Transportation Demand Analysis
- CEE 762 - Operations Research Applications in Civil Engineering
- CEE 763 - Advanced Traffic Engineering

Structure

- CEE 741 - Design of Highway Bridge Structures
- CEE 744 - Design of Prestressed/Post-Tensioned Concrete Structures
- CEE 748 - Advanced Design of Timber Structures
- CEE 775 - Seismic Response of Structures
- CEE 780 - Advanced Reinforced Concrete Structures

Water Resources/ Environmental

- CEE 704 - Environmental & Water Systems
- CEE 709 - Numerical Methods in Mechanics
- CEE 750 - Urban Runoff Quality and Control
- CEE 751 - Water Reuse Principles and Design
- CEE 754 - Biochemical Wastewater Treatment Fundamentals
- CEE 755 - Advanced Physicochemical Methods for Water Treatment

- CEE 756 - Advanced Waste Treatment Design
- CEE 757 - Engineering Modeling of Natural Systems
- CEE 758 - Air Quality Modeling
- CEE 759 - Mass Transfer in Environmental Systems
- CEE 768 - Applied Geographic Information Systems

(Optional) Graduate Internship Course - Credit: Maximum up to 1

Students engaged in Curricular Practical Training (CPT) must take CEE 792. The course can be taken maximum one time during their study. However, the credit will not be counted towards the degree.

- CEE 792 - Graduate Internship for Master in Civil Engineering and Transportation

Thesis – Credits: 9

- CEE 797 - Thesis in Civil Engineering

Degree Requirements

1. A Thesis Advisory Committee composed of at least four members of the UNLV graduate faculty is to be formed for the student. At least two of the committee members must be from tenured or tenure-track faculty of the CEEC Department and the third member from a related field. The fourth faculty member, the Graduate College Representative, is recommended by advisor/advisee and appointed by the Graduate College. It is recommended that the Thesis Advisory Committee collective expertise reflects the thesis topic. The committee chair must be a faculty from the area of expertise chosen for thesis topic.
2. In addition to CEE 700, all students must successfully complete a minimum of 18 credit hours of approved graduate courses, out of which a minimum of 3 courses from one of the five categories in the discipline-based list provided above.
3. In addition to the coursework requirements, 9 credits of research work associated with the master's level thesis (CEE 797) with the outcome being a manuscript written for a specific indexed conference or journal.
4. At least 50% of the courses (600 and 700 level) within the total coursework must be from the College of Engineering.
5. At least 50% of the courses within the total coursework must be 700 level. 6. Students must maintain a minimum grade point average of 3.00. A course in which a grade of less than C was earned will not be considered for use toward the degree.
6. All requirements for the M.S.E. are met upon the satisfactory completion of the proposed research, the submission of a satisfactory thesis, and the successful oral defense of the thesis before the Thesis Advisory Committee.

In addition to this, the following are required.

Additional Requirements for the Integrated BS-MSE

Students enrolled through Integrated BS-MSE Thesis Track option must meet requirements for both B.S. and M.S.E. degree as follows:

B.S. Degree Requirements

1. Students must successfully complete all of the existing B.S. degree requirements for Civil Engineering at UNLV.
2. Students may take up to 6 credits of approved graduate level courses in place of undergraduate courses. These classes would typically substitute for the undergraduate technical electives.
3. Undergraduates taking graduate courses must pay the graduate tuition and fees for these courses.
4. Students will graduate with the B.S. degree as soon as all B.S. degree requirements are completed.

M.S.E. Degree Requirements

1. Students must meet all of the other degree requirements for the M.S.E. Thesis Track degree.
2. The 6 graduate-level class credits taken as part of the undergraduate program may count for the M.S.E. degree as long as the course grades are B (3.00) or better and their average GPA for these classes is a 3.00 or above.
3. Students must pursue Thesis Track to receive the course release. Students who later elect to pursue a M.S.E. Project Track degree must apply to the M.S.E. degree and complete all the requirements listed for that degree.

Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
2. The student must submit and successfully defend his/her thesis by the posted deadline. The defense must be advertised and is open to the public.
3. After the thesis defense, the student must electronically submit a properly formatted pdf copy of their thesis to the Graduate College for format check. Once the thesis format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for thesis defenses, format check submissions, and the final ProQuest submission can be found here.

Plan Graduation Requirements

Refer to your subplan for Graduation Requirements.

Subplan 1: Thesis Track

Subplan 2: Project Track

Subplan 3: The Integrated BS-MSE Thesis Track

Master of Science - Construction Management

Plan Description

The Master of Science in Construction Management (M.S.C.M.) provides graduate-level study for those seeking mid- and upper-level management positions in the construction industry or continued study for the doctorate. Students with degrees in construction management, engineering, science, architecture and business, as well as related disciplines are invited to apply. Applications for admission to the program are evaluated on an individual basis by the Civil and Environmental Engineering and Construction (CEEC) Department's construction engineering management faculty. Two tracks (thesis and project) are available in M.S.C.M. degree program.

For more information about your program, including your graduate program handbook and learning outcomes please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

Admission to the program leading to the M.S.C.M. degree in thesis and project tracks is open to those students completing the following requirements:

1. Applications should be submitted in the Grad Rebel Gateway system.
2. Applicants must have an earned baccalaureate degree from a regionally accredited four-year college or university with preferred study in construction, engineering, architecture, business, or closely related area. The CEEC Graduate Program Committee (GPC) and Graduate Coordinator make all the final decisions after review of each applicant's records and admissions information.
3. Overall undergraduate GPA should be at least 2.75 (4.00=A) for the bachelor's degree or at least 3.00 (4.00=A) for the last 60 credits of undergraduate work.
4. Credit (in semester hours) must have been earned in the following subjects or their equivalents:
 - MATH 181 – Calculus I
 - PHYS 151/151L – General Physics I
 - CEM 250/250L – Construction Materials & Methods
 - CEM 270 – Construction Engineering Mechanics
 - A course in construction or engineering graphics

The leveling courses required of a student before entering the M.S.C.M. program will be determined on an individual basis. The student will be notified in writing of any deficiencies prior to admission to the program. Students with deficiencies exceeding

two courses may need to satisfactorily complete them before admission to the graduate program. A minimum grade of C is required in the leveling courses. The CEEC Graduate Program Committee (GPC) and Graduate Coordinator make all the final decisions after review of each applicant's records and admissions information.

5. The applicant must submit Statement of Intent (SOI) with no more than two pages describing the reasons why they wish to earn a master's degree. In addition, two letters of recommendation (LOR) must be submitted from individuals familiar with applicant's knowledge, skills and abilities. It is highly recommended that LOR be written on official letter head.
6. International applicants must meet English proficiency requirements established in the UNLV Graduate Catalog.
7. All applicants are required to take GRE General Test and submit the scores to the University of Nevada, Las Vegas (code 4861). Successful applicants generally have a combined verbal and quantitative GRE score of at least 300 and analytical writing score of at least 3.

All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

See Subplan Requirements below.

Subplan 1: Thesis Track

Subplan 2: Project Track

Subplan 1 Requirements: Thesis Track

Total Credits Required: 30

Course Requirements

Required Courses – Credits: 13

- CEM 651 - Construction Estimating
- CEM 653 - Construction Scheduling and Resource Optimization
- CEE 700 - Research Methods in Civil and Environmental Engineering

3 Credits of 700 level statistics course with consent of student's advisor and instructor

Specialty Courses – Credits: 6

Complete at least two of the following courses:

- CEM 685 - Construction Law and Contracts

- CEM 705 - Construction Engineering Management
- CEM 710 - Modular Construction
- CEM 720 - Information and Sensing Technology in Construction
- CEM 751 - Construction Cost Analysis and Estimating

Elective Courses – Credits: 2

Complete 2 credits of advisor-approved elective or specialty coursework.

(Optional) Graduate Internship Course-Credit: Maximum up to 1

Students engaged in Curricular Practical Training (CPT) must take CEM 792. The course can be taken maximum one time during their study. However, the credit will not be counted towards the degree.

- CEM 792 - Graduate Internship for Master in Construction Management

Thesis – Credits: 9

- CEM 797 - Research Thesis in Construction Engineering and Management

Degree Requirements

1. A Thesis Advisory Committee composed of at least four members of the UNLV graduate faculty is to be formed for the student. At least two of the committee members must be from tenured or tenure-track Construction Engineering Management (CEM) faculty and the third member from CEEC Department. The fourth faculty member, the Graduate College Representative, is recommended by advisor/advisee and appointed by the Graduate College. It is recommended that the Thesis Advisory Committee collective expertise reflects the thesis topic. The committee chair must be a CEM faculty from the area of expertise chosen for thesis topic.
2. Students must complete at least 21 credits of graduate course, comprised of 13 required 600/700-level credits of CEM, CEE and statistics coursework, 6 credits of specialty courses, and 2 credits of advisor-approved elective or specialty coursework.
3. Students who have credit in CEM 651 and CEM 653 or equivalent courses will select two other courses from the specialty or advisor-approved elective list.
4. In addition to the coursework requirements, 9 credits of research work associated with the master's level thesis (CEM 797) with the outcome being a manuscript written for a specific indexed conference or journal.
5. At least 50% of the courses (600 and 700 level) within the total coursework must be from the College of Engineering.
6. At least 50% of the courses within the total coursework must be 700 level.
7. Students must maintain a minimum grade point

average of 3.00. A course in which a grade of less than C was earned will not be considered for use toward the degree.

8. All requirements for the M.S.C.M are met upon the satisfactory completion of the proposed research, the submission of a satisfactory thesis, and the successful oral defense of the thesis before the Thesis Advisory Committee.

Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
2. The student must submit and successfully defend his/her thesis by the posted deadline. The defense must be advertised and is open to the public.
3. After the thesis defense, the student must electronically submit a properly formatted pdf copy of their thesis to the Graduate College for format check. Once the thesis format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for thesis defenses, format check submissions, and the final ProQuest submission can be found here.

Subplan 2 Requirements: Project Track

Total Credits Required: 30

Course Requirements

Required Courses – Credits: 10

- CEM 651 - Construction Estimating
- CEM 653 - Construction Scheduling and Resource Optimization
3 Credits of 700 level statistics course with consent of student's advisor and instructor

Specialty Courses – Credits: 12

Complete four of the following courses:

- CEM 685 - Construction Law and Contracts
- CEM 705 - Construction Engineering Management
- CEM 710 - Modular Construction
- CEM 751 - Construction Cost Analysis and Estimating
- CEM 720 - Information and Sensing Technology in Construction

Elective Courses – Credits: 5

Complete 5 credits of advisor-approved elective or specialty coursework.

(Optional) Graduate Internship Course - Credit: Maximum up to 1

Students engaged in Curricular Practical Training (CPT) must take CEM 792. The course can be taken maximum one time during their study. However, the credit will not be

counted towards the degree.

- CEM 792 - Graduate Internship for Master in Construction Management

Special Project – Credits: 3

- CEM 796 - Special Project in Construction Engineering and Management

Degree Requirements

1. The student's Advisor should be tenured or a tenure track Construction Engineering Management faculty member of the CEEC Department. An advisory committee is not required.
2. Students must complete at least 27 credits of graduate course, comprised of 10 credits of required 600/700-level credits of CEM and statistics coursework, 12 credits of specialty coursework, 5 credits of approved elective or specialty coursework.
3. In addition to the coursework requirement, 3 credits of master's level project (CEM 796) with the outcome being a paper written for a specific indexed conference or journal.
4. Students who have credit in CEM 651 and CEM 653 or equivalent courses will select two other courses from the specialty or advisor-approved elective list.
5. At least 50% of the courses (600 and 700 level) within the total coursework must be from the College of Engineering.
6. At least 50% of the courses within the total coursework must be 700 level.
7. Students must maintain a minimum grade point average of 3.00. A course in which a grade of less than C was earned will not be considered for use toward the degree.

Graduation Requirements

The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.

The student must successfully complete a project and submit a project report.

Plan Graduation Requirements

Refer to your subplan for Graduation Requirements.

Subplan 1: Thesis Track

Subplan 2: Project Track

Master of Science in Transportation

Plan Description

The Master of Science in Transportation (M.S.T.) degree program is oriented toward the practice of transportation science and engineering, with emphasis on the planning, design, operations, and maintenance of transportation systems. It is intended for applicants with all backgrounds especially those in areas other than engineering, and who either presently work for or aspire to work for transportation agencies or private companies who provide professional services in the transportation field. The program is multi-disciplinary in nature and students must take courses from at least two colleges. Two tracks (thesis and project) are available in M.S.T. degree program.

For more information about your program, including your graduate program handbook and learning outcomes, please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

1. Applications available on the UNLV Graduate College website.
2. Admission to the program leading to the M.S.T. degree in thesis and project tracks is open to those students completing the following requirements:
3. Applications must include all documentation as required by the Graduate College. Applications should be submitted in the Grad Rebel Gateway system
4. Applicants must have earned a Bachelor of Science or Bachelor of Arts degree from a regionally accredited four-year college or university. If applicant's degree is in a field other than engineering, it is desirable for the bachelor's degree to be earned in one of the following areas: urban or regional planning, architecture, business, economics, public administration, quantitative geography, computer science, mathematics, operations research, statistics, political science, physical science, psychology, health sciences, or similar discipline. The CEEC Graduate Program Committee (GPC) and Graduate Coordinator make all the final decisions after review of each applicant's records and admissions information.
5. Overall undergraduate GPA of at least 2.75 on a 4.00 scale (4.00=A) or equivalent is required for admission or at least 3.00 (4.00=A) for the last two years of undergraduate work. The CEEC Graduate Program Committee (GPC) and Graduate Coordinator make all the final decisions after review of each applicant's records and admissions information.
6. Prior credit (in semester hours) with grades of B or better must have been earned in the following subjects or their equivalents: • MATH 181 – Calculus I • PHYS 151/151L or 152/152L– General Physics I or II • STA 152 - Statistics
7. The applicant must submit a Statement of Intent (SOI)

with no more than two pages, indicating previous experience and the reasons why they wish to pursue the M.S.T. degree, and how the degree will be utilized following graduation. In addition, two letters of recommendation (LOR) must be submitted from individuals familiar with the applicant's knowledge, skills and abilities. It is highly recommended that LOR be written on official letter head.

8. International applicants must meet English proficiency requirements established in the UNLV Graduate Catalog.
9. All applicants are required to take GRE General Test and submit the scores to the University of Nevada, Las Vegas (code 4861). Successful applicants generally have a combined verbal and quantitative GRE score of at least 300 and analytical writing score of at least 3.

All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty, specific areas, and degree tracks within the described programs are subject to change at any time.

Plan Requirements

See Subplan Requirements below.

Subplan 1: Thesis Track
Subplan 2: Project Track

Subplan 1 Requirements: Thesis Track

Total Credits Required: 30

Course Requirements

Required Courses – Credits: 3

CEE 700 - Research Methods in Civil and Environmental Engineering

Elective Courses – Credits: 18

Complete 18 credits of advisor-approved elective coursework including a minimum of 3 courses from the following discipline-based list:

- CEE 725 - Freight Transportation
- CEE 726 - Railroad Operations
- CEE 735 - Earth Dams and Embankments
- CEE 761 - Transportation Demand Analysis
- CEE 762 - Operations Research Applications in Civil Engineering
- CEE 763 - Advanced Traffic Engineering (Optional) Graduate Internship Course-Credit: maximum up to 1

Students engaged in Curricular Practical Training (CPT) must take CEE 792. The course can be taken maximum

one time during their study. However, the credit will not be counted towards the degree.

- CEE 792 - Graduate Internship for Master in Civil Engineering and Transportation

Thesis – Credits: 9

- CEE 797 - Thesis in Civil Engineering

Degree Requirements

1. A Thesis Advisory Committee composed of at least four members of the UNLV graduate faculty is to be formed for the student. At least two of the committee members must be from tenured or tenure-track faculty of the CEEC Department and the third member can be from a related field. The fourth faculty member, the Graduate College Representative, is recommended by advisor/advisee and appointed by the Graduate College. It is recommended that the Thesis Advisory Committee collective expertise reflects the thesis topic. The committee chair must be a faculty from the area of expertise chosen for thesis topic.
2. In addition to CEE 700, all student must successfully complete a minimum of 18 credit hours of approved graduate courses.
3. In addition to the coursework requirements, 9 credits of research work associated with the master's level thesis (CEE 797) with the outcome being a manuscript written for a specific indexed conference or journal.
4. At least 50% of the courses (600 and 700 level) within the total coursework must be from the College of Engineering.
5. At least 50% of the courses within the total coursework must be 700 level.
6. Students must maintain a minimum grade point average of 3.00. A course in which a grade of less than C was earned will not be considered for use toward the degree.

Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
2. The student must submit and successfully defend his/her thesis by the posted deadline. The defense must be advertised and is open to the public.
3. After the thesis defense, the student must electronically submit a properly formatted pdf copy of their thesis to the Graduate College for format check. Once the thesis format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for thesis defenses, format check submissions, and the final ProQuest submission can be found here.

Subplan 2 Requirements: Project Track

Total Credits Required: 30

Course Requirements

Elective Courses - Credits: 27

Complete 27 credits of advisor-approved elective coursework including a minimum of 3 courses from the following discipline-based list:

- CEE 725 - Freight Transportation
- CEE 726 - Railroad Operations
- CEE 735 - Earth Dams and Embankments
- CEE 761 - Transportation Demand Analysis
- CEE 762 - Operations Research Applications in Civil Engineering
- CEE 763 - Advanced Traffic Engineering (Optional) Graduate Internship Course - Credit: maximum up to 1

Students engaged in Curricular Practical Training (CPT) must take CEE 792. The course can be taken maximum one time during their study. However, the credit will not be counted towards the degree.

- CEE 792 - Graduate Internship for Master in Civil Engineering and Transportation

Project - Credits: 3

- CEE 796 - Design Project in Civil Engineering

Degree Requirements

1. The student's Advisor should be tenured or a tenure-track faculty member of the CEEC Department. An advisory committee is not required.
2. Students must complete a minimum of 27 credit hours of approved graduate courses, and 3 credits of project work associated with the master's level project (CEE 796) with the outcome being a paper written for a specific indexed conference or journal.
3. At least 50% of the courses (600 and 700 level) within the total coursework must be from the College of Engineering.
4. At least 50% of the courses within the total coursework must be 700 level.
5. Students must maintain a minimum grade point average of 3.00. A course in which a grade of less than C was received will not be considered for use toward the degree.

Graduation Requirements

The student must submit all required forms to the Graduate College and apply for graduation up to two semesters prior to completing his/her degree requirements.

The student must successfully complete a project and

submit a project report.

Plan Graduation Requirements

Refer to your subplan for Graduation Requirements.

Subplan 1: Thesis Track

Subplan 2: Project Track

Doctor of Philosophy - Civil and Environmental Engineering

Plan Description

The Department of Civil and Environmental Engineering & Construction (CEEC) at UNLV offers a number of program degree options leading to the Doctor of Philosophy (Ph.D.) - Civil and Environmental Engineering. Specific areas of engineering that are currently available include Construction, Geotechnical, Structural, Transportation, and Water Resources/Environmental. Two tracks are available (1) Post-Master's Track and (2) Post-Bachelor's Track.

For more information about your program, including your graduate program handbook and learning outcomes please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

Admission to the program leading to the Ph.D. in Engineering in the field of Civil and Environmental Engineering is open to those students completing the following requirements:

Applications should be submitted in the Grad Rebel Gateway System.

1. The applicant must submit a Statement of Intent (SOI) with no more than two pages, indicating his/her interests in the area of specialization (construction, geotechnical, structural, transportation, and water resources/environmental) and objectives in working toward a Ph.D. degree. In addition, three letters of recommendation (LOR) must be submitted from individuals familiar with the applicant's knowledge, skills and abilities. It is highly recommended that LOR be written on official letter head.
2. International applicants must meet English Proficiency requirements established in UNLV Graduate Catalog.
3. All applicants are required to take GRE General Test and submit the scores to the University of Las Vegas, Nevada (code 4861). Successful applicants generally have a combined verbal and quantitative GRE score of at least 300 and analytical writing score of at least 3.

Post-Master's Track

1. The applicant to this track must have a Master of Science in Engineering degree or equivalent with a major in civil engineering or a closely allied field. Students with non-engineering backgrounds will be required to complete a set of coursework requirements that will ensure successful completion of the Ph.D. specialization. The CEEC Graduate Program Committee (GPC) and Graduate Coordinator make all the final decisions after the review of each applicants records and admissions information.
2. A minimum post-baccalaureate GPA of 3.20 on a 4.00 scale (4.00=A) or equivalent is required for admission.
3. The CEEC GPC and Graduate Coordinator make all the final decisions after the review of each applicants records and admissions information.

Post-Bachelor's Track

1. The applicant to this track must have earned a Bachelor of Science in Engineering degree or equivalent with a major in civil engineering or a closely allied field. The CEEC GPC and Graduate Coordinator make all the final decisions after the review of each applicants records and admissions information.
2. A minimum baccalaureate overall GPA of 3.20 on a 4.00 scale (4.00=A) and GPA of 3.5 for the last 60 credit hours is required for admission. The CEEC GPC and Graduate Coordinator make all the final decisions after the review of each applicants records and admissions information.

All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

See Subplan Requirements below.

Subplan 1: Post-Master's Track

Subplan 2: Post-Bachelor's Track

Subplan 1 Requirements: Post-Master's Track

Total Credits Required: 42

Course Requirements

Elective Courses - Credits: 24

Students must successfully complete a minimum of 3 courses from one of the five categories mentioned in the discipline-based list.

Construction

- CEM 651 - Construction Estimating
- CEM 653 - Construction Scheduling and Resource Optimization
- CEM 751 - Construction Cost Analysis and Estimating

- CEE 609 - Engineering Project Management
- CEE 710 - Modular Construction
- CEE 720 - Information and Sensing Technology in Construction
- CEE 785 - Construction Engineering Management

Geotechnical

- CEE 710 - Modular Construction
- CEE 731 - Pavement Materials and Design
- CEE 732 - Advanced Foundation Engineering
- CEE 734 - Advanced Soil Mechanics
- CEE 736 - Earth Slopes and Retaining Structures
- CEE 737 - Soil Dynamics and Earthquake Engineering
- CEE 741 - Design of Highway Bridge Structures
- CEE 785 - Construction Engineering Management

Transportation

- CEE 725 - Freight Transportation
- CEE 726 - Railroad Operations
- CEE 735 - Earth Dams and Embankments
- CEE 761 - Transportation Demand Analysis
- CEE 762 - Operations Research Applications in Civil Engineering
- CEE 763 - Advanced Traffic Engineering

Structure

- CEE 741 - Design of Highway Bridge Structures
- CEE 744 - Design of Prestressed/Post-Tensioned Concrete Structures
- CEE 748 - Advanced Design of Timber Structures
- CEE 775 - Seismic Response of Structures
- CEE 780 - Advanced Reinforced Concrete Structures

Water Resources/ Environmental

- CEE 704 - Environmental & Water Systems
- CEE 709 - Numerical Methods in Mechanics
- CEE 750 - Urban Runoff Quality and Control
- CEE 751 - Water Reuse Principles and Design
- CEE 754 - Biochemical Wastewater Treatment Fundamentals
- CEE 755 - Advanced Physicochemical Methods for Water Treatment
- CEE 756 - Advanced Waste Treatment Design
- CEE 757 - Engineering Modeling of Natural Systems
- CEE 758 - Air Quality Modeling
- CEE 759 - Mass Transfer in Environmental Systems

- CEE 768 - Applied Geographic Information Systems (Optional) Graduate Internship Course-Credits: Maximum up to 3

Students engaged in Curricular Practical Training (CPT) must take CEE 793. The course can be taken maximum three times during their study. However, these credits will not be counted towards the degree.

- CEE 793 - Graduate Internship for PhD Civil & Environmental Engineering

Dissertation – Credits: 18

- CEE 799 - Dissertation Research

Degree Requirements

1. Complete 24 credits of advisor-approved elective graduate-level coursework.
2. Doctoral students who have not completed CEE 700, or its 3-credit equivalent, or did not write a thesis as part of their Master of Science studies, will be required to complete CEE 700. CEE 700 course will be counted towards elective credit hours. In addition to CEE 700, all students must successfully complete a minimum of 21 credit hours of approved graduate-level coursework beyond the degree of Master of Science in Engineering. For students who have completed CEE 700, or equivalent, during their Master of Science studies, a minimum of 24 credit hours of approved graduate-level coursework is required.
3. A Doctoral Advisory Committee composed of at least five members of the UNLV graduate faculty is to be formed for the student. At least three of the committee members must be from tenured or tenure-track faculty of the CEEC Department and the fourth member from a related field. The fifth faculty member, the Graduate College Representative, is recommended by advisor/advisee and appointed by the Graduate College. It is strongly recommended that the Doctoral Advisory Committee collective expertise reflects the dissertation topic. The committee chair must be a faculty from the area of expertise chosen for dissertation topic.
4. In addition to the coursework requirements, a dissertation consisting of at least 18 credits of CEE 799 is required with the outcome being manuscripts written for a specific indexed conference or journal.
5. At least 50% of the courses (600 and 700 level) within the total coursework must be from the College of Engineering.
6. At least 50% of the courses within the total coursework must be 700 level.
7. Students must maintain a minimum grade point average of 3.00. A course, in which a grade of less than C was earned, will not be considered for use toward the degree.
8. Students must take doctoral qualifying exam including

a written component prepared by the student's graduate committee. The graduate committee shall provide the examination to the CEEC Department Graduate Coordinator who will administer the written qualifying exam for the CEEC Department on scheduled dates.

9. Students who have not passed the qualifying exam by their second attempt will be terminated from the Ph.D. program.
10. After passing the qualifying exam in one area of specialty, the student moves to other area of specialty by changing the advisor; he/she must retake the qualifying exam in the new area of specialty chosen by the student.
11. After passing the qualifying exam, the doctoral student must pass a preliminary exam consisting of the preparation of a written proposal for the dissertation research followed by an oral defense of the proposal. The proposal must be approved by the student's Doctoral Advisory Committee.

Graduation Requirements

- The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
- The student must submit and successfully defend his/her dissertation by the posted deadline. The defense must be advertised and is open to the public.
- After the thesis defense, the student must electronically submit a properly formatted pdf copy of their thesis to the Graduate College for format check. Once the thesis format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for thesis defenses, format check submissions, and the final ProQuest submission can be found here.

Subplan 2 Requirements: Post-Bachelor's Track

Total Credits Required: 60

Course Requirements

Elective Courses - Credits: 42

Students must successfully complete a minimum of 3 courses from one of the five categories mentioned in the discipline-based list.

Construction

- CEM 651 - Construction Estimating
- CEM 653 - Construction Scheduling and Resource Optimization
- CEM 751 - Construction Cost Analysis and Estimating
- CEE 609 - Engineering Project Management
- CEE 720 - Information and Sensing Technology in Construction

- CEE 710 - Modular Construction
- CEE 785 - Construction Engineering Management

Geotechnical

- CEE 710 - Modular Construction
- CEE 731 - Pavement Materials and Design
- CEE 732 - Advanced Foundation Engineering
- CEE 734 - Advanced Soil Mechanics
- CEE 736 - Earth Slopes and Retaining Structures
- CEE 737 - Soil Dynamics and Earthquake Engineering
- CEE 741 - Design of Highway Bridge Structures
- CEE 785 - Construction Engineering Management

Transportation

- CEE 725 - Freight Transportation
- CEE 726 - Railroad Operations
- CEE 735 - Earth Dams and Embankments
- CEE 761 - Transportation Demand Analysis
- CEE 762 - Operations Research Applications in Civil Engineering
- CEE 763 - Advanced Traffic Engineering

Structure

- CEE 741 - Design of Highway Bridge Structures
- CEE 744 - Design of Prestressed/Post-Tensioned Concrete Structures
- CEE 748 - Advanced Design of Timber Structures
- CEE 775 - Seismic Response of Structures
- CEE 780 - Advanced Reinforced Concrete Structures

Water Resources/ Environmental

- CEE 704 - Environmental & Water Systems
- CEE 709 - Numerical Methods in Mechanics
- CEE 750 - Urban Runoff Quality and Control
- CEE 751 - Water Reuse Principles and Design
- CEE 754 - Biochemical Wastewater Treatment Fundamentals
- CEE 755 - Advanced Physicochemical Methods for Water Treatment
- CEE 756 - Advanced Waste Treatment Design
- CEE 757 - Engineering Modeling of Natural Systems
- CEE 758 - Air Quality Modeling
- CEE 759 - Mass Transfer in Environmental Systems
- CEE 768 - Applied Geographic Information Systems (Optional) Graduate Internship Course - Credits: Maximum up to 3

Students engaged in Curricular Practical Training (CPT) must take CEE 793. The course can be taken maximum three times during their study. However, these credits will not be counted towards the degree.

- CEE 793 - Graduate Internship for PhD Civil & Environmental Engineering

Dissertation - Credits: 18

- CEE 799 - Dissertation Research

Degree Requirements

1. Complete 42 credits of advisor-approved elective graduate-level coursework.
2. Students will be required to complete CEE 700. CEE 700 course will be counted towards elective credit hours. In addition to CEE 700, all students must successfully complete a minimum of 39 credit hours of approved graduate-level coursework beyond the BS degree.
3. A Doctoral Advisory Committee composed of at least five members of the UNLV graduate faculty is to be formed for the student. At least three of the committee members must be from tenured or tenure-track faculty of the CEEC Department and the fourth member from a related field. The fifth faculty member, the Graduate College Representative, is recommended by advisor/advisee and appointed by the Graduate College. It is strongly recommended that the Doctoral Advisory Committee collective expertise reflects the dissertation topic. The committee chair must be a faculty from the area of expertise chosen for dissertation topic.
4. In addition to the coursework requirements, a dissertation consisting of at least 18 credits of CEE 799 is required with the outcome being manuscripts written for a specific indexed conference or journal.
5. At least 50% of the courses (600 and 700 level) within the total coursework must be from the College of Engineering.
6. At least 50% of the courses within the total coursework must be 700 level.
7. Students must maintain a minimum grade point average of 3.00. A course, in which a grade of less than C was earned, will not be considered for use toward the degree.
8. Students must take doctoral qualifying exam including a written component prepared by the student's graduate committee. The graduate committee shall provide the examination to the CEEC Department Graduate Coordinator who will administer the written qualifying exam for the CEEC Department on scheduled dates.
9. Students who have not passed the qualifying exam by their second attempt will be terminated from the Ph.D. program.

10. After passing the qualifying exam in one area of specialty, the student moves to other area of specialty by changing the advisor; he/she must retake the qualifying exam in the new area of specialty chosen by the student.

11. After passing the qualifying exam, the doctoral student must pass a preliminary exam consisting of the preparation of a written proposal for the dissertation research followed by an oral defense of the proposal. The proposal must be approved by the student's Doctoral Advisory Committee.

Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
2. The student must submit and successfully defend his/her dissertation by the posted deadline. The defense must be advertised and is open to the public.
3. After the thesis defense, the student must electronically submit a properly formatted pdf copy of their thesis to the Graduate College for format check. Once the thesis format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for thesis defenses, format check submissions, and the final ProQuest submission can be found here.

Plan Graduation Requirements

Refer to your subplan for Graduation Requirements.

Subplan 1: Post-Master's Track

Subplan 2: Post-Bachelor's Track

Civil and Environmental Engineering and Construction Courses

CEE 604 - Open Channel Flow Credits 3
Detailed examination and design of open channel flow systems. Includes energy and momentum principles, non-uniform flow, transition design, design of channel controls, design of hydraulic structures, wave motions, unsteady flow, and flood routing. Notes: This course is crosslisted with CEE 404. Credit at the 600-level requires additional work. Grading Letter Grade
Prerequisites: Graduate Standing.

CEE 606 - Hydrologic Analysis and Design Credits 3
Modeling and analysis of hydrologic systems with application to engineering design. Includes rainfall-runoff analysis, dynamic flood routing, statistical theories, and stochastic processes. Notes: This course is crosslisted with CEE 406. Credit at the 600-level requires additional work. Grading Letter Grade
Prerequisites: Graduate Standing.

CEE 607 - Computer Applications in Environmental and Water Resources Engineering Credits 3
Application of computer models for analysis and design of environmental and water resource systems. Includes surface and groundwater hydrology, pipe networks, and water quality

computer programs. Notes: This course is crosslisted with CEE 407. Credit at the 600-level requires additional work. Grading Letter Grade Prerequisites: Graduate Standing.

CEE 609 - Engineering Project Management Credits 3
Engineering aspects of contracts, labor law, specification development, and cost estimating. Project scheduling and cost using critical path methods. Notes: This course is crosslisted with CEE 409. Credit at the 600-level requires additional work. Grading Letter Grade Prerequisites: Graduate Standing

CEE 610 - Highway Construction Materials Credits 3
Composition, properties, and production of Portland cement, concrete, bituminous materials, and bituminous mixtures. Notes: This course is crosslisted with CEE 410. Credit at the 600 level requires additional work. Grading Letter Grade Prerequisites: Graduate Standing..

CEE 613 - Water Resources Engineering Credits 3
Hydraulic and hydrologic design of water distribution, stormwater, and wastewater collection systems. Introduction to groundwater hydrology. Pumps, pipe flow, and pipe networks. Hydraulic design of open channels, culverts, and sanitary sewers. Notes: This course is crosslisted with CEE 413. Credit at the 600-level requires additional work. Grading Letter Grade Prerequisites: Graduate Standing.

CEE 632 - Geological Engineering Credits 3
Incorporation of geologic factors in civil engineering works. Engineering properties of rocks and soils; engineering implications of geologic structure and processes; geologic hazards; geologic/geotechnical site investigations, including engineering geophysics. Notes: This course is crosslisted with CEE 432. Credit at the 600-level requires additional work. Grading Letter Grade Prerequisites: Graduate Standing.

CEE 634 - Rock Mechanics Credits 3
Mechanical behavior of rock with engineering and geologic application; basic solid mechanics and rheology of rocks; rock testing; theories of failure; Griffith theory, McClintock-Walsh theory; scale effects and creep. Engineering applications in tunneling and dam foundations. Geologic applications in faulting, folding, isostasy, igneous intrusion, and petroleum formation. Notes: This course is crosslisted with CEE 434. Credit at the 600-level requires additional work. Grading Letter Grade Prerequisites: Graduate Standing.

CEE 635 - Foundations Engineering Credits 3
Site investigations, footings, slope stability, rock and soil foundations, piles. Notes: This course is crosslisted with CEE 435. Credit at the 600-level requires additional work. Grading Letter Grade Prerequisites: Graduate Standing.

CEE 636 - Engineering Geophysics Credits 3
Introduction to geophysical methods used in shallow earth explorations for engineering purposes, such as site characterization and waste site investigations. Emphasis on seismic and electrical/electromagnetic methods. Laboratory experience includes hands-on use of state-of-the-art equipment. Appropriate for students in Civil Engineering, Geoscience, and Physics. Notes: This course is crosslisted with CEE 436. Credit at the 600-level requires additional work. Grading Letter Grade Prerequisites: Graduate Standing

CEE 644 - Steel Structural Design Credits 3
Introduction to design of structural systems in steel; LRFD method. Design of tension members, beams, columns and beam-columns. Design of connections, welded and bolted. Introduction to torsion. Notes: This course is crosslisted with CEE 444. Credit at the 600-level requires additional work. Grading Letter Grade Prerequisites: Graduate Standing.

CEE 650 - Unit Operations/Processes in Environmental Engineering Credits 3
Water, wastewater system design overview. Water demand, wastewater generation. Water quality criteria. Mass balances, kinetics, reactor design. Coagulation, sedimentation, filtration, disinfection. Suspended, attached processes. Sludge and residual management. Measurements of solids, pH, alkalinity, hardness, DO, BOD, COD, SVI, turbidity, MPN, chlorine residual, nitrogen, phosphorus. Notes: This course is crosslisted with CEE 450. Credit at the 600-level requires additional work. Grading Letter Grade Prerequisites: Graduate Standing.

CEE 650L - Unit Operations/Processes Laboratory Credits 1
Instrumental and wet chemical laboratory methods commonly used for characterization of water and wastewater. Measurements of solids, pH, alkalinity, hardness, dissolved oxygen, BOD, COD, SVI, turbidity, chlorine residual, MPN, nitrogen and phosphorus. Notes: This course is crosslisted with CEE 450L. Credit at the 600-level requires additional work. Grading Letter Grade Prerequisites: Graduate Standing.

CEE 651 - Environmental Water Chemistry and Analysis Credits 3
An engineering approach to equilibrium chemistry, including acid-base reactions, metal speciation, and oxidation-reduction reactions. Introduction to the analysis of water and wastewater quality. Notes: This course is crosslisted with CEE 451. Credit at the 600-level requires additional work. Grading Letter Grade Prerequisites: Graduate Standing

CEE 652 - Air Pollution Control Fundamentals Credits 3
Components of polluted air and air quality regulations. Control equipment material balances and process design for particulate removal. Combustion fundamentals and VOC removal. Meteorology and dispersion modeling. Automotive emissions controls. Notes: This course is crosslisted with CEE 452. Credit at the 600-level requires additional work. Grading Letter Grade Prerequisites: Graduate Standing.

CEE 654 - Solid and Hazardous Wastes Engineering Credits 3
Solid waste collection, separation and disposal. Recycling and containment technologies. Adsorption and microbial degradation. Thermal, radiation, and solidification methods for destruction of hazardous wastes. Site remediation. Notes: This course is crosslisted with CEE 454. Credit at the 600-level requires additional work. Grading Letter Grade Prerequisites: Graduate Standing

CEE 655 - Water Treatment Principles and Design Credits 3
Principles and design of drinking water treatment processes. Topics include flocculation, sedimentation, filtration, disinfection, adsorption, ion exchange, and softening. Notes: This course is crosslisted with CEE 455. Credit at the 600-level requires additional work. Grading Letter Grade Prerequisites: Graduate Standing.

CEE 661 - Introduction to Railroad Transportation Credits 3
This course will cover aspects in railway track, vehicle motion, signals and communications, railway track maintenance, railway operations, freight operations, and passenger train operations. Notes: This course is crosslisted with CEE 461. Credit at the 600-level requires additional work. Grading Letter Grade Prerequisites: Graduate Standing.

CEE 662 - Railroad Engineering Credits 3
Design of major elements of railroad track, including track, subgrade materials, design and construction, construction costs and stability problems, drainage, ballast, cross ties, concrete and other artificial ties, rail, fastenings and other track material,

track geometry, turnouts and crossings, track-train dynamics, conduct of work, and railroad right of way. Notes: This course is crosslisted with CEE 462. Credit at the 600-level requires additional work. Grading Letter Grade Prerequisites: Graduate Standing.

CEE 663 - Traffic Engineering Credits 3
Studies in highway and traffic planning and principles of traffic operations. Notes: This course is crosslisted with CEE 463. Credit at the 600-level requires additional work. Grading Letter Grade Prerequisites: Graduate Standing.

CEE 664 - Airport Design Credits 3
Fundamental engineering principles in planning, location, design, and operation of airport facilities (terminals, apron areas, taxiways, and runways); ground access, drainage, aircraft characteristics and performance as they relate to airport design, aircraft noise and environmental considerations; elements of air traffic control. Notes: This course is crosslisted with CEE 464. Credit at the 600-level requires additional work. Grading Letter Grade Prerequisites: Graduate Standing.

CEE 665 - Fire Protection Engineering
This upper-division engineering course is open to graduate students, provided it demonstrates a level of accomplishment suitable to graduate study. The Undergraduate Catalog should be consulted for a description of the course. In the Undergraduate Catalog, the course is numbered as 4XX, where the XX represents the same last two digits as the 600 course listed (for example, the description for CEE 604 appears under CEE 404).

CEE 666 - Geometric Design of Highways Credits 3
Design of visible elements of highways such as horizontal and vertical alignment and cross-section in accordance with design controls derived from characteristics of vehicles, drivers, traffic, and pedestrians interacting with geometry, terrain, and environment to yield a safe roadway at design capacity. Notes: This course is crosslisted with CEE 466. Credit at the 600-level requires additional work. Grading Letter Grade Prerequisites: Graduate Standing.

CEE 667 - Computer Applications in Transportation Engineering Credits 3
Application of computer software models and programs for solving planning, design, and operations problems in transportation engineering. Includes traffic network analysis models, transportation planning, and impact models. Notes: This course is crosslisted with CEE 467. Credit at the 600-level requires additional work. Grading Letter Grade Prerequisites: Graduate Standing.

CEE 668 - GIS Applications in Civil Engineering Credits 3
Introduction to the basics of Geographic Information Systems software and hardware and their use in civil engineering. Emphasis on the application of GIS for the planning, design, operations, and maintenance of civil engineering systems. Laboratory sessions provide hands-on experience with GIS software and hardware using specific examples/case studies of GIS applications in various areas of civil engineering. Notes: This course is crosslisted with CEE 468. Credit at the 600-level requires additional work. Grading Letter Grade Prerequisites: Graduate Standing.

CEE 670 - High Speed Rail Credits 3
This course covers high speed rail stations, tracks, traction and power, rolling stock, signals and communications, traffic organization, passenger service, and maintenance. Notes: This course is crosslisted with CEE 470. Credit at the 600-level requires additional work. Grading Letter Grade Prerequisites: Graduate Standing.

CEE 671 - Public Transportation Systems Credits 3
Analysis and evaluation of mass transit systems; their operation and management: demand and cost analysis; route design, schedules and fare policy. Technology of transit systems including vehicles and structures. Transit financing. Impact on land use and environment. Formerly CEE 765. Notes: This course is crosslisted with CEE 471. Credit at the 600-level requires additional work. Grading Letter Grade Prerequisites: Graduate Standing.

CEE 676 - Earthquake Engineering Credits 3
Introduction to vibration theory; seismic hazards; spectra of vibrations. Application of UBC Simplified Static Method and Static Method. Introduction to design of earthquake resistant structures. Discussion of diaphragms, chords and struts. Notes: This course is crosslisted with CEE 476. Credit at the 600-level requires additional work. Grading Letter Grade Prerequisites: Graduate Standing.

CEE 677 - Design of Underground Structures Credits 3
Design of tunnels, shafts, and underground chambers in soil and hard rocks. Notes: This course is crosslisted with CEE 477. Credit at the 600-level requires additional work. Grading Letter Grade Prerequisites: Graduate Standing.

CEE 678 - Applied Finite Element Analysis Credits 3
Introduction to the finite element method with computer applications to engineering problems in structural analysis, two- and three-dimensional solid mechanics and continuum. Notes: This course is crosslisted with CEE 478. Credit at the 600-level requires additional work. Grading Letter Grade Prerequisites: Graduate Standing.

CEE 680 - Concrete Structure Design Credits 3
Introduction to design of structural systems in concrete. Design of beams, one-way slabs, columns and beam-columns. Design of T-beams and doubly-reinforced beams. Anchorage and bar cutoffs. Formerly CEG 643 Notes: This course is crosslisted with CEE 480. Credit at the 600-level requires additional work. Grading Letter Grade Prerequisites: Graduate Standing.

CEE 682 - Design of Timber Structures Credits 3
Determination of simple wind and seismic forces on one and two story structures. Discussion of engineering properties of wood. Introduction to the design of sawn beams for flexure, shear, bearing and deflection. Introduction to the design of axially loaded columns. Brief introduction to the design of trusses, diaphragms and shear walls. Notes: This course is crosslisted with CEE 482. Credit at the 600-level requires additional work. Grading Letter Grade Prerequisites: Graduate Standing.

CEE 695 - Special Topics Credits 1-3
Outlet for experimental and other topics which may be of current interest. Notes: This course is crosslisted with CEE 495. Credit at the 600 level requires additional work. Topics and credits to be announced. May have a laboratory. May be repeated to a maximum of 9 credits. Grading Letter Grade Prerequisites: Graduate Standing and Consent of Instructor.

CEE 700 - Research Methods in Civil and Environmental Engineering Credits 3
Methods to improve and develop research skills and prepare students for professional careers at the graduate level. Includes principles of scientific research, ethics, writing skills, methods for compiling scientific literature, identification of research questions and specific hypotheses, presentation of research results, writing research papers, proposal preparation, preparation of grant proposals, thesis and dissertation. Grading Letter Grade Prerequisites: Graduate Standing.

CEE 704 - Environmental & Water Systems Credits 3

Introduction to techniques to evaluating alternatives in environmental and water resources systems. Topics include southwest U.S. water economic analysis, optimization using linear and dynamic programming, systems modeling using STELLA, analysis of droughts, and current research topics. Applications focus on surface water systems, operation, and reservoirs, water distribution and environmental systems. Grading Letter Grade Prerequisites: Graduate Standing.

CEE 709 - Numerical Methods in Mechanics Credits 3

Numerical solution of partial differential equations arising from problems in mechanics. Emphasis on finite difference techniques. Topics include classification of equations: solutions of elliptic, parabolic, and hyperbolic equations; stability, consistency and convergence and nonlinear equations; multidimensional problems; systems of equations; discontinuous solutions. Grading Letter Grade Prerequisites: Graduate Standing.

CEE 710 - Modular Construction Credits 3

An overall understanding of modular construction (modularization) concepts including, advantages, disadvantages, impediments, industry status, business case process, execution plans, critical success factors, and standardization strategies of modularization. Notes: This course is crosslisted with CEM 710. Grading Letter Grade Prerequisites: Graduate Standing.

CEE 711 - Continuum Mechanics Credits 3

Matrices and tensors, stress deformation and flow, compatibility conditions, constitutive equations, field equations and boundary conditions in fluids and solids, applications in solid and fluid mechanics. Prerequisites: MAT 668 and Graduate Standing.

CEE 720 - Information and Sensing Technology in Construction Credits 3

State-of-the-art technology and its potential and current use in construction research. Industrial efforts in developing and improving various aspects of construction operation and management. Notes: This course is crosslisted with CEM 720. Grading Letter Grade Prerequisites: Graduate Standing.

CEE 725 - Freight Transportation Credits 3

This course covers freight, commodities, facilities and operations in the major modes of the transportation system and freight planning. Grading Letter Grade Prerequisites: Graduate Standing.

CEE 726 - Railroad Operations Credits 3

This course covers the dynamics of train movements, spacing trains, interlock principles, capacity, scheduling and control of railroad operations. Grading Letter Grade Prerequisites: Graduate Standing.

CEE 731 - Pavement Materials and Design Credits 3

In-depth study of pavement materials such as soils, asphaltic concrete and Portland cement concrete; analytical and empirical methods for design of flexible and rigid pavements; pavement rehabilitation management. Includes highway and airfield pavements. Grading Letter Grade Prerequisites: Graduate Standing.

CEE 732 - Advanced Foundation Engineering Credits 3

Detailed study and analysis of the mechanical properties of soils with applications to foundation behavior. Grading Letter Grade Prerequisites: Graduate Standing and Consent of Instructor

CEE 734 - Advanced Soil Mechanics Credits 3

Stress-strain properties and shear strength of soil: settlements and stability analysis. Grading Letter Grade Prerequisites: Graduate Standing.

CEE 735 - Earth Dams and Embankments Credits 3

Principles governing the flow of water through soils and their applications to design of earth dams and embankments. Methods of earth dam design, including earthquake design,

theory of wells, and groundwater flow. Grading Letter Grade Prerequisites: Graduate Standing.

CEE 736 - Earth Slopes and Retaining Structures Credits 3

Analysis and design of stable earth slopes, including slopes cut from natural deposits and engineered embankments. Analysis and design of earth retaining structures. Both theoretical and practical aspects of design discussed. Prerequisites: CEE 334, CEE 334L

CEE 737 - Soil Dynamics and Earthquake Engineering Credits 3

Use of dynamics in geotechnical engineering, for nondestructive characterization of engineering materials, and for design of foundations subjected to dynamic loads. Geotechnical aspects of earthquake engineering, particularly effect of soils on ground-surface motions, and soil liquefaction during earthquakes. Grading Letter Grade Prerequisites: Graduate Standing.

CEE 741 - Design of Highway Bridge Structures Credits 3

Review of types of highway bridges. Application of the AASHTO Bridge Specifications including dead load, live load and impact. Design of steel, reinforced and prestressed concrete bridge superstructures and their substructures. Span lengths through 150 feet. Grading Letter Grade Prerequisites: Graduate Standing.

CEE 744 - Design of Prestressed/Post-Tensioned Concrete Structures Credits 3

Study of principles of prestressed concrete, both pre-tensioned and post-tensioned, applied to structural design of buildings and bridges. Discussion of effects of lateral loads on structures. Introduction to analysis and design of shear walls. Discussion of connections between members. Grading Letter Grade Prerequisites: Graduate Standing.

CEE 747 - Introduction to Analysis and Design of Plates and Shells Credits 3

Introduction to the analysis and design of plates and shell structures. Bending of flat rectangular and circular plates with various boundary and loading conditions. Membrane analysis of spherical, cylindrical shells, and shells of revolution with ring reinforcement. Grading Letter Grade Prerequisites: Graduate Standing.

CEE 748 - Advanced Design of Timber Structures Credits 3

Study of wood as an engineering material used in various types of construction. Strength properties of timber, structural properties of plywood, analysis and design of timber beams, timber columns, analysis and design of connections using nails, bolts, and adhesives. Grading Letter Grade Prerequisites: Graduate Standing.

CEE 749 - Advanced Topics in Finite Element Analysis Credits 3

Properties and applications of isoparametric elements, solids of revolution elements, plate bending elements, finite elements of dynamics, vibrations and buckling instability. Introduction to nonlinear problems using finite element analysis. Grading Letter Grade Prerequisites: CEE 678 and Graduate Standing.

CEE 750 - Urban Runoff Quality and Control Credits 3

Study of the quality of urban runoff during wet and dry periods. Topics include: review of hydrologic concepts, modeling water quantity and quality in stormwater systems, water quality of non-point sources, control structures or Best Management Practices (BMPs), evaluation of current research, discussion of current regulations. Grading Letter Grade Prerequisites: CEE 613 or equivalent and CEE 650 or equivalent and Graduate Standing.

CEE 751 - Water Reuse Principles and Design Credits 3

Principles and design for a variety of water reuse applications.

Topics include emerging chemical and microbial contaminants, nonpotable and potable reuse, advanced treatment trains, and public perception. Case studies of existing reuse systems will be discussed. Grading Letter grade Prerequisites: CEE 650 or equivalent, or consent of instructor.

CEE 753 - Air Pollution Atmospheric Processes Credits 3
Fundamentals of aerosol composition, formation and coagulation. Atmospheric photochemistry and atmospheric transport. Computer methods emphasized. Applications to pollution control strategies for urban areas. Grading Letter grade Prerequisites: CS 117, CEE 452/CEE 652 or equivalent, MATH 431.

CEE 754 - Biochemical Wastewater Treatment Fundamentals Credits 3
Underlying chemical, microbiological, and biochemical principles considered when designing suspended and attached growth biological processes for water quality control. Topics covered include activated sludge design, selector design, filamentous growth control, toxicity to biological systems, biofilm processes, and design of nutrient (phosphorus and nitrogen) removal systems. Grading Letter Grade Prerequisites: CEE 650 or equivalent and Graduate Standing

CEE 755 - Advanced Physicochemical Methods for Water Treatment Credits 3
Fundamentals of chemical equilibrium, chemical kinetics, reactor hydraulics, and advanced treatment processes. Applications to the design of advanced water and wastewater treatment facilities, including disinfection basins, advanced oxidation processes, activated carbon columns, and membranes. Grading Letter grade Prerequisites; CEE 650 or equivalent and Graduate Standing.

CEE 756 - Advanced Waste Treatment Design Credits 3
Application of optimization methods to the physical, chemical, and biological reaction engineering principles used in air, water, and solid waste treatment plant design. Review and critique of plans for existing treatment works, and incorporation of new technologies. Waste minimization. Grading Letter Grade Prerequisites: CEE 650 or CEE 655 or equivalent and Graduate Standing.

CEE 757 - Engineering Modeling of Natural Systems Credits 3
Application of physical, chemical, and ecological concepts to mathematical modelling of fluid mixing, nutrient cycling and population dynamics. Applications to waste treatment and impacts in natural water systems. Grading Letter Grade Prerequisites: ME 600 or equivalent and MAT 665 or Consent of Instructor and Graduate Standing.

CEE 758 - Air Quality Modeling Credits 3
Data requirements for inputs to air quality models. Review of photochemical and transport processes used in models. Influence of local topography and meteorology. Review of photochemical computer models. Use of models in evaluation of strategies for improvement of air quality. Grading Letter grade Prerequisites: CEE 753 or equivalent: course in numerical methods recommended and Graduate Standing.

CEE 759 - Mass Transfer in Environmental Systems Credits 3
Fundamentals of mass transfer by diffusion and advection. Solutions to steady-state and transient problems in several dimensions. Applications to natural and engineered systems. Grading Letter Grade Prerequisites: ME 600 equivalent or Consent of Instructor and Graduate Standing.

CEE 760 - Transportation Planning Credits 3
Network representation methods; minimum-path trees; traffic assignment algorithms and their performance; trip distribution models; travel surveys and data needs; applications of statistical methods to develop methods of ownership, trip generation,

vehicle occupancy, and model choice. Grading Letter Grade Prerequisites: Graduate Standing.

CEE 761 - Transportation Demand Analysis Credits 3
Problems dealing with transportation-systems as they affect travel behavior; study of the demand for transportation theoretical concepts and analytical methods; urban and regional travel demand analysis, forecasting methods and behavioral demand models. Grading Letter Grade Prerequisites: Graduate Standing.

CEE 762 - Operations Research Applications in Civil Engineering Credits 3
Analysis of civil engineering systems using operations research methods and techniques. Methods covered include optimization models in deterministic systems, network models, and modeling of stochastic systems, including queuing theory. Applications drawn from various civil engineering contexts, particularly transportation systems. Grading Letter Grade Prerequisites: Graduate Standing.

CEE 763 - Advanced Traffic Engineering Credits 3
Theories of traffic flow and signal operations with application to activated, coordinated, and networked intersections using computerized models such as PASSER, NETSIM, TRANSYT, SOAP, CALSIG. Analysis of arterial/freeway operations techniques including HOV and reverse lanes, ramp metering, freeway surveillance, TSM, demand modification. Evaluation of objectives, measures of effectiveness. Notes: Two hours lecture, three hours laboratory. Grading Letter Grade Prerequisites: CEE 663 or equivalent and Graduate Standing.

CEE 764 - Air Transportation Credits 3
Nature of civil aviation, aviation system planning, airline operations, aircraft characteristics, airline economics, structure of the airline industry, aircraft fleet planning and scheduling, aviation safety. Grading Letter Grade Prerequisites: CEE 362 and graduate standing, or consent of instructor.

CEE 768 - Applied Geographic Information Systems Credits 4
Review of data structures and algorithms for surfaces, volumes and time, elevation models, spatial interpolation. Error modeling and data uncertainty. Visualization of spatial data. Decision making in a GIS context. Emphasis on interdisciplinary group project constructing a data base and maps involving several areas of expertise using popular GIS software. Grading Letter Grade Prerequisites: CEE 668 or equivalent and Graduate Standing.

CEE 775 - Seismic Response of Structures Credits 3
Application of principles of vibration theory to structures. Determination of natural frequencies and mode shapes using classical methods and energy techniques. Response of structures to harmonic, impulse, periodic and earthquake loadings. Grading Letter Grade Prerequisites: Graduate Standing.

CEE 780 - Advanced Reinforced Concrete Structures Credits 3
Advanced principles and design methods for reinforced concrete structures. Moment-curvature relations for reinforced concrete sections, confined concrete beams and columns, limit analysis and design of beams, two-way slabs, flat plates, beam-column joints, and shear walls. Grading Letter Grade Prerequisites: CEE 680 or equivalent and Graduate Standing.

CEE 785 - Construction Engineering Management Credits 3
Concepts of construction project management of heavy civil, and capital facility projects. Covers the project phases: pre-project planning, engineering, procurement, construction and start up. Grading Letter Grade Prerequisites: Graduate Standing.

CEE 791 - Independent Study in Civil Engineering Credits 1–3
Independent study of a selected civil engineering topic. Notes: May be repeated to a maximum of six credits. Grading Letter Grade Prerequisites: Graduate Standing and consent of instructor.

CEE 792 - Graduate Internship for Master in Civil Engineering and Transportation Credits 1
Supervised on-site practical and professional learning experience in various participating local/national engineering and construction firms and governmental agencies. Grading S/U Prerequisites: Completion of two long semesters in graduate program, a GPA 3.0 or higher in graduate program, graduate standing, and consent of instructor.

CEE 793 - Graduate Internship for PhD Civil & Environmental Engineering Credits 1
Supervised on-site practical and professional learning experience in various participating local/national engineering and construction firms and governmental agencies. Notes: May be repeated to a maximum of three credits. Grading S/U Prerequisites: Completion of two long semesters in graduate program, a GPA 3.0 or higher in graduate program, graduate standing, and consent of instructor.

CEE 795 - Special Topics in Civil Engineering Credits 1–6
Outlet for experimental and other topics of current interest. Topics and credits to be announced. Notes: May have a laboratory. May be repeated for credit. Grading Letter Grade Prerequisites: Graduate Standing and consent of instructor.

CEE 796 - Design Project in Civil Engineering Credits 1–3
Synthesis course to involve students in the design process from analysis and proposal to solution. Notes: May be repeated to a maximum of three credits. Not permitted for students pursuing the M.S.E. Thesis option or for those in the Ph.D. Program. Grading Letter Grade Prerequisites: Graduate Standing and consent of instructor.

CEE 797 - Thesis in Civil Engineering Credits 3–9
Research, analysis, and writing towards completion of thesis and subsequent defense. Notes: May be repeated but only nine credits will be applied to program. Grading Thesis Dissertation X Prerequisites: Consent of Instructor and Graduate Standing.

CEE 799 - Dissertation Research Credits 1–9
Research analysis and writing towards completion of dissertation and subsequent defense. Notes: May be repeated with a maximum of 18 credits allowed to be used towards the degree. Grading Thesis Dissertation X Prerequisites: Consent of Instructor and Graduate Standing.

CEM 632 - Temporary Construction Structures Credits 3
Analysis, design, and construction of temporary structures including formwork, falsework, shoring, rigging, and access units. Cost analysis. Computer analysis applications. Safety consideration. Notes: This course is crosslisted with CEM 432. Credit at the 600-level requires additional work. Grading Letter Grade Prerequisites: Graduate Standing.

CEM 651 - Construction Estimating Credits 4
Principles and procedures used in estimating construction costs. Application of quantity determination, estimate pricing, specifications, subcontractor and supplier solicitation, risk assessment and risk analysis, and final bidding preparation. Computer-based estimating used for semester project. Notes: This course is crosslisted with CEM 451/CEM 451L. Credit at the 600 level requires additional work. Grading Letter Grade Prerequisites: Graduate Standing.

CEM 653 - Construction Scheduling and Resource Optimization Credits 3
Scheduling and resource optimization. Includes short-interval scheduling, Gantt charts, linear, and matrix scheduling formats. Network techniques including CPM and PERT concepts and calculations. Computer applications. Notes: This course is crosslisted with CEM 453/CEM 453L. Credit at the 600 level requires additional work. Grading Letter Grade Prerequisites: Graduate Standing.

CEM 654 - Heavy Construction Equipment & Methods Credits 3
Characteristics, capabilities, limitations, uses and selection of heavy construction equipment. Construction methods selection. Construction equipment process planning and improvement, fleet operations, and maintenance programs. Notes: This course is crosslisted with CEM 454. Credit at the 600-level requires additional work. Field Trips Grading Letter Grade Prerequisites: Graduate Standing.

CEM 680 - Sustainable Construction Credits 3
Overview of sustainable design and construction. Introduction to green buildings, LEED assessment process, high-performance building, and green building material. Economic analysis of green buildings. Notes: This course is crosslisted with CEM 480. Credit at the 600-level requires additional work. Grading Letter Grade Prerequisites: Graduate Standing.

CEM 685 - Construction Law and Contracts Credits 3
Legal problems in the construction process. Stipulated sum, unit price, and cost-plus contracts. Construction lien rights and bond rights. Scope of work issues. Builders risk issues. Risk-shifting. Case studies. Notes: This course is crosslisted with CEM 485. Credit at the 600-level requires additional work. Grading Letter Grade Prerequisites: Graduate Standing.

CEM 693 - Independent Study Credits 1-3
Independent study of a selected construction topic. Notes: This course is crosslisted with CEM 493. Credit at the 600 level requires additional work. Grading Letter Grade Prerequisites: Consent of Instructor and Graduate Standing.

CEM 695 - Special Topics in Construction Management Credits 1-4
Experimental and other topics which may be of current interest in construction management. Notes: This course is crosslisted with CEM 495. Credit at the 600-level requires additional work. Grading Letter Grade Prerequisites: Graduate Standing.

CEM 700 - Research Methods in Construction Management Credits 3
Introduction to research process, design, measurement, sampling, analysis, and results, research information resources, and literature review. Grading Letter Grade Prerequisites: Graduate Standing.

CEM 705 - Construction Engineering Management Credits 3
Technical project management applications for pre-project planning, design, pre-construction services, value engineering, construction, start up/commissioning and decommissioning of capital facilities. Grading Letter Grade Prerequisites: Graduate Standing.

CEM 710 - Modular Construction Credits 3
An overall understanding of modular construction (modularization) concepts including, advantages, disadvantages, impediments, industry status, business case process, execution plans, critical success factors, and standardization strategies of modularization. Notes: This course is cross-listed with CEE 710. Grading Letter Grade Prerequisites: Graduate Standing.

CEM 720 - Information and Sensing Technology in Construction Credits 3

State-of-the-art technology and its potential and current use in construction research. Industrial efforts in developing and improving various aspects of construction operation and management. Notes: This course is crosslisted with CEE 720 . Grading Letter Grade Prerequisites: Graduate Standing.

CEM 740 - Construction Safety and Performance Improvement Credits 3

Introduction to construction safety issues, regulations and ways to improve safety on the job site. Accidents and their causes, OSHA regulations, and worker safety programs. Productivity concepts, data collection, and analysis of data and factors affecting construction productivity. Means for improving production and study of productivity improvement programs. Grading Letter Grade Prerequisites: Graduate Standing.

CEM 750 - Advanced Construction Scheduling Credits 3

Models of network theory and non-network theory for construction scheduling. Systems theory, resource leveling and resource algorithms, project diagnostics, optimum workforce/equipment movement, and as-built schedule coordination. Cost control and computer applications, and expert systems. Case studies. Grading Letter Grade Prerequisites: CEM 653 and Graduate Standing.

CEM 751 - Construction Cost Analysis and Estimating Credits 3

Advanced topics in construction estimating including value engineering, pricing strategies, and computer concepts. Development of estimating data. Computer-aided design and cost integration. Range, factor, and parametric estimating. Production factors. Grading Letter Grade Prerequisites: CEM 651 or equivalent and Graduate Standing.

CEM 755 - Renewable Energy Capital Facility Projects Credits 3

Overview of control and management of the cost, timing, and value of capital-investment in renewable energy projects such as solar thermal power plants, photovoltaic plants, biomass power plants, biofuel power plants, hydroelectric power plants, geothermal power plants, tidal power station, wave power station and on-shore/off-shore wind power plants. Grading Letter Grade Prerequisites: CEM 653 and Graduate Standing.

CEM 775 - Construction Operations and Management Credits 3

Theory and practice of construction operations and management. Roles of the designer, owner, constructor, and construction manager. Systems approach to project, firm, and organization issues for construction management. Decision modeling. Readings, case studies, and analysis of construction problems and solutions. Computer applications, case studies. Grading Letter Grade Prerequisites: Graduate Standing.

CEM 780 - Construction Engineering Credits 3

Advanced topics in construction engineering addressing techniques and sequences employed in the construction of heavy and industrial projects. Grading Letter Grade Prerequisites: Graduate Standing.

CEM 792 - Graduate Internship for Master in Construction Management Credits 1

Supervised on-site practical and professional learning experience in various participating local/national engineering and construction firms and governmental agencies. Grading S/U Prerequisites: Completion of two long semesters in graduate program, a GPA 3.0 or higher in graduate program and graduate standing and consent of instructor.

CEM 793 - Advanced Independent Study Credits 1-3

Advanced independent study of a selected construction topic. Paper required. Notes: May be repeated to a maximum of six credits. Grading Letter: Grade Prerequisites: Graduate standing and consent of instructor.

CEM 795 - Advanced Special Topics in Construction Management Credits 1-6

Outlet for experimental and other topics of interest in advanced construction management. Paper required. Topics and credits to be announced. Notes: May be repeated to a maximum of six credits. Grading Letter Grade Prerequisites: Consent of Instructor and Graduate Standing.

CEM 796 - Special Project in Construction Engineering and Management Credits 1-3

Development and undertaking of a project investigating a topic of interest related to construction engineering or construction management. Notes: May be repeated for a maximum of three credits. Grading Letter Grade Prerequisites: Consent of Instructor and Graduate Standing.

CEM 797 - Research Thesis in Construction Engineering and Management Credits 1-9

Development and undertaking of a research study on a contemporary topic related to construction engineering or construction management. Preparation and presentation of a research thesis. Preparation of a project report. Notes: May be repeated. Grading Thesis Dissertation X Prerequisites: Consent of Instructor and Graduate Standing.

EGG 651 - Ergonomics Credits 3

Design of the work environment to facilitate the safety of the worker and the improvement of work performance, with emphasis on the biomechanical requirements and musculoskeletal consequences of work activity. Notes: This course is crosslisted with EGG 451. Credit at the 600-level requires additional work.

EGG 695 - Special Topics Credits 3

This upper-division engineering course is open to graduate students, provided it demonstrates a level of accomplishment suitable to graduate study. The Undergraduate Catalog should be consulted for a description of the course. In the Undergraduate Catalog, the course is numbered as 4XX, where the XX represents the same last two digits as the 600 course listed (for example, the description for CEE 604 appears under CEE 404).

EGG 747 - Orthopedic Biomechanics - Lower Extremities and Spine Credits 3

Biomechanics of the lower extremities and spine; engineering properties and physiology of bone, cartilage, and tendon; analysis of gait; effects of orthopedic impairment and injury; design and surgical implantation of prosthetic joints and fracture fixation devices; engineering of tissue regeneration and replacement. Same as ME 747 Prerequisites: Graduate standing in engineering or kinesiology or consent of instructor.

EGG 750 - Analysis of Human Movement Credits 3

Analysis of the kinematics and kinetics of human movement in two and three dimensions with emphasis on methods used in motion capture, including joint and segment position; acceleration, velocity, force and torque; work and power; and inverse solution methods. Same as ME 750 Prerequisites: Graduate standing in engineering or kinesiology or consent of instructor.

EGG 768 - Applied Geographic Information Systems Credits 4

Review of data structures and algorithms for surfaces, volumes and time, elevation models, spatial interpolation. Error modelling and data uncertainty. Visualization of spatial data. Decision

making in a GIS context. Emphasis on interdisciplinary group project constructing a data base and maps involving several areas of expertise using popular GIS software. Prerequisites: EGG 668, STA 751, and CS 733 or CS 432.

EGG 795 - Special Topics **Credits 3**

Directed research course under the supervision of a member of the graduate faculty culminating in a written paper. Notes: May be repeated twice with permission of instructor and advisor. Prerequisites: Consent of Instructor and Graduate Standing.

Computer Science

The Department of Computer Science offers programs leading to the Master of Science in Computer Science and the Doctor of Philosophy in Computer Science. Areas of school strength include both theoretical and experimental computer science, especially within such areas as information and network security, internet forensics, real-time algorithms, information retrieval, document analysis, graphics, computational geometry, networking and distributed systems, parallel programming, artificial intelligence, and software engineering.

The distributed computing environment of the College of Engineering is housed in the Thomas T. Beam Engineering Complex. Several hundred modern computing systems are operated for purposes of instruction, experimentation, laboratory instrument control, data acquisition, and research. More than fifty of the systems are in public laboratories accessible to all computer science students. These laboratories contain both Windows and Unix/Linux clients and servers in a variety of modern configurations.

Students can also obtain permission to access the machines of the National Supercomputer Center for Energy and the Environment (NSCEE).

Sidkazem Taghva, Ph.D., Chair
Laxmi Gewali, Ph.D., Graduate Coordinator

Computer Science

Chair & Graduate Coordinator

Taghva, Sidkazem - *Full Graduate Faculty*
Professor; B.S., Pahlavi University; M.S., University of Kansas; Ph.D., University of Iowa. Rebel since 1987.

272 *Graduate Catalog • College of Engineering*

Graduate Faculty

Bein, Wolfgang - *Full Graduate Faculty*

Professor; M.S., Ph.D., University of Osnabruck. Rebel since 1998.

Berghel, Hal - *Full Graduate Faculty*

Professor; B.A., M.A., Ph.D., University of Nebraska, Lincoln. Rebel since 1999.

Gewali, Laxmi P. - *Full Graduate Faculty*

Professor; B.S., Gauhati University, India; M.S., Tribhuwan University, Nepal; M.S., Ph.D., University of Texas-Dallas. Rebel since 1989.

Jo, Juyeon - *Full Graduate Faculty*

Associate Professor; B.S., Dongguk University, Korea; M.S., University of Connecticut; Ph.D., Case Western Reserve University. Rebel since 2006.

Kim, Yoohwan - *Full Graduate Faculty*

Associate Professor; B.A., Seoul National University, Korea; M.S., Ph.D., Case Western Reserve University. Rebel since 2004.

Larmore, Lawrence L. - *Full Graduate Faculty*

Professor; B.S., Tulane University; Ph.D., Northwestern University; Ph.D., University of California, Irvine. Rebel since 1994.

Minor, John T. - *Full Graduate Faculty*

Associate Professor; B.A., Rice University; Ph.D., University of Texas, Austin. Rebel since 1985.

Nasoz, Fatma - *Full Graduate Faculty*

Assistant Professor; B.S., Bogazici University; M.Sc., University of Central Florida; Ph.D., University of Central Florida. Rebel since 2006.

Pedersen, Jan B. - *Full Graduate Faculty*

Associate Professor; B.S., M.S., University of Aarhus, Denmark; Ph.D., University of British Columbia. Rebel since 2003.

Stefik, Andreas - *Full Graduate Faculty*

Associate Professor; B.A., Central Washington University; M.S., Washington State University; Ph.D., Washington State University. Rebel since 2013.

Yfantis, Evangelos A. - *Full Graduate Faculty*

Professor; B.S., University of Athens; M.S., Fairleigh Dickinson University; M.S., Rutgers University; M.S., New Jersey Institute of Technology; Ph.D., University of Wyoming. Rebel since 1979.

Yang, Jisoo - *Full Graduate Faculty*

Assistant Professor; B.S., Seoul National University; M.S., University of Michigan; Ph.D., University of Michigan. Rebel since 2015.

Zhan, Justin - *Full Graduate Faculty*

Professor; B.S., Liaoning University; M.S., Syracuse University; Ph.D., University of Ottawa. Rebel since 2015.

Plans

Master of Science in Computer Science

Doctor of Philosophy - Computer Science

Master of Science in Computer Science

Plan Description

Our master's program gives you the opportunity to study different areas, including:

- Design and analysis of algorithms
- Operating and distributed systems
- Computer architecture and networking
- Computational geometry and robotics
- Computer graphics and image processing
- Programming languages and compiler construction
- Artificial intelligence and expert systems
- Database design, document analysis, and retrieval
- Software engineering

For more information about your program including your graduate program handbook and learning outcomes please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

Applicants must submit the following to the Graduate College:

- An application and official transcripts of all college level work with a minimum GPA of 3.00.
- Two letters of recommendation concerning the student's potential for succeeding in the graduate program.
- A set of official transcripts.
- The results of the Graduate Record Examination current to within five years should be sent directly to the department. The preferred minimum score requirement is 297. The GRE requirement is waived for students participating in the Integrated BS-MS track.

In addition, applicants must have completed courses and their prerequisites equivalent to our undergraduate Programming Languages (CS 326), Operating Systems (CS 370), Discrete Mathematics II (MATH 351), and Statistical Methods I (STAT 411) with an average grade of B or better.

The Computer Science Admission Committee may elect to admit an outstanding applicant who has not satisfied all of the background requirements on a conditional basis.

The student must complete these requirements before full admission to the program is granted.

Students who have not completed all the following courses (or equivalent courses) as part of their bachelor's degree may be required to complete them as a condition of their admission. If taken as part of their master's degree program, these courses may count toward the 30 credits required.

- CS 656 Automata and Formal Languages
- CS 677 Analysis of Algorithms
- CS 660 Compiler Construction

Additional information about the Integrated BS-MS degree program:

Up to nine credit hours of approved graduate-level course work can be taken as technical electives for the grade of B or better during the senior year and those credit hours will be waived for the graduate degree.

The GRE requirement is waived for students participating in the Integrated BS-MS track.

The following conditions must be met to enroll in the Integrated BS-MS program

A minimum of two semesters of full-time enrollment in B.S. of Computer Science program is required.

Applications are normally submitted with two semesters remaining in the senior year.

A minimum of 90 credit hours of course work applicable to the B.S. of Computer Science degree with a cumulative GPA of 3.3 or higher must be completed before beginning the joint degree program.

Students have to choose the thesis option in the MS degree. Students interested in this program and who also meet the credentials listed above should request a letter of nomination from a Computer Science faculty member. Submit this letter along with a short resume (no more than two pages) directly to the Department of Computer Science (computerscience.gradcoord@unlv.edu) as well as an application through the Grad Rebel Gateway.

All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

Subplan 1: Thesis Track

Subplan 2: Project Track

Subplan 3: Integrated BS-MS Track

Subplan 4: Exam Track - Foundations and Theory

Subplan 5: Exam Track - Cyber Security

Subplan 6: Exam Track - AI and Machine Learning

Subplan 7: Exam Track - Software Engineering

Subplan 8: Exam Track - Data Science and Big Data

Subplan 9: Exam Track - Database and Information

Retrieval

Subplan 10: Exam Track - Graphics and Augmented Reality

Subplan 11: Exam Track - Programming Language and Systems

Subplan 1 Requirements: Thesis Track

Total Credits Required: 30

Course Requirements

Computer Science Courses – Credits: 24

Complete 24 credits of 600- or 700- level Computer Science (CS) courses. Students may complete up to 3 credits outside of CS. Outside credits must be related to the student's research area and be approved by the department graduate committee.

Thesis – Credits: 6

- CS 791 - Thesis

Degree Requirements

The student must pass at least 30 credits of 600- and 700-level courses with grades of C or better.

Students must complete 12 credits of 700-level CS courses (excluding thesis).

Courses in which the student earns a grade lower than C cannot be included in his or her program, and the student's total grade point average (GPA) must be 3.00 or higher while in the program. A student whose GPA falls below 3.00 will be placed on academic probation. That student must have an overall GPA of at least 3.00 by the end of two subsequent semesters; otherwise the student will be separated from the graduate program. A student on probation will not be allowed to register for CS 690, CS 790, CS 791, CS 792, CS 799, or equivalent courses in another department.

In consultation with his/her advisor, a student will organize a thesis committee of at least three departmental members. In addition, a fourth member from outside the department, known as the Graduate College Representative, must be appointed. An additional committee member may be added at the student and department's discretion. Please see Graduate College policy for committee appointment guidelines.

The student must submit a thesis approved by their advisor and thesis committee and conforming to the specifications of the Graduate College and pass a final oral examination covering the thesis and relevant course work.

Graduation Requirements

The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.

The student must submit and successfully defend his/her thesis by the posted deadline. The defense must be advertised and is open to the public.

After the thesis defense, the student must electronically submit a properly formatted pdf copy of their thesis to the Graduate College for format check. Once the thesis format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for thesis defenses, format check

submissions, and the final ProQuest submission can be found here.

Subplan 2 Requirements: Project Track

Total Credits Required: 30

Course Requirements

Computer Science Courses – Credits: 27

Complete 27 credits of 600- or 700- level Computer Science (CS) courses. Students may complete up to 3 credits outside of CS. Outside credits must be related to the student's research area and be approved by the department graduate committee.

Project – Credits: 3

- CS 790 - Master's Project

Degree Requirements

The student must pass at least 30 credits of 600- and 700-level courses with grades of C or better.

Students must complete 15 credits of 700-level CS courses (excluding the project).

Courses in which the student earns a grade lower than C cannot be included in his or her program, and the student's total grade point average (GPA) must be 3.00 or higher while in the program. A student whose GPA falls below 3.00 will be placed on academic probation. That student must have an overall GPA of at least 3.00 by the end of two subsequent semesters; otherwise the student will be separated from the graduate program. A student on probation will not be allowed to register for CS 690, CS 790, CS 791, CS 792, CS 799, or equivalent courses in another department.

In consultation with his/her advisor, a student will organize a project committee of at least three departmental members. In addition, a fourth member from outside the department, known as the Graduate College Representative, must be appointed. An additional committee member may be added at the student and department's discretion. Please see Graduate College policy for committee appointment guidelines.

The student must complete a computer science project and a report approved by his/her advisor and his/her project committee and pass a final oral examination over the project and relevant course work.

Graduation Requirements

The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.

The student must successfully complete a master's project. The student must submit and successfully defend his/her project by the posted deadline. The defense must be advertised and is open to the public.

Subplan 3 Requirements: Integrated BS-MS Track

Total Credits Required: 30

Course Requirements

Required Courses - Credits: 9

Complete the following nine credits or other courses approved by the Graduate Coordinator.

- CS 656 - Automata and Formal Languages
- CS 660 - Compiler Construction
- CS 677 - Analysis of Algorithms

Computer Science Courses – Credits: 15-21

Complete 15-21 credits of 600- or 700- level Computer Science (CS) courses. Students may complete up to 3 credits outside of CS. Outside credits must be related to the student's research area and be approved by the department graduate committee.

Thesis – Credits: 6

- CS 791 - Thesis

Degree Requirements

The student must pass at least 30 credits of 600- and 700-level courses with grades of C or better.

Students must complete 12 credits of 700-level CS courses (excluding thesis).

Courses in which the student earns a grade lower than C cannot be included in his or her program, and the student's total grade point average (GPA) must be 3.00 or higher while in the program. A student whose GPA falls below 3.00 will be placed on academic probation. That student must have an overall GPA of at least 3.00 by the end of two subsequent semesters; otherwise the student will be separated from the graduate program. A student on probation will not be allowed to register for CS 690, CS 790, CS 791, CS 792, CS 799, or equivalent courses in another department.

In consultation with his/her advisor, a student will organize a thesis committee of at least three departmental members. In addition, a fourth member from outside the department, known as the Graduate College Representative, must be appointed. An additional committee member may be added at the student and department's discretion. Please see Graduate College policy for committee appointment guidelines.

The student must submit a thesis approved by their advisor and thesis committee and conforming to the specifications of the Graduate College and pass a final oral examination covering the thesis and relevant course work. Students may be released from up to 9 credits of classes towards completion of the M.S. degree as long as the average G.P.A for these classes taken as part of the undergraduate program is a 3.0 or above.

Graduation Requirements

The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.

The student must submit and successfully defend his/her thesis by the posted deadline. The defense must be advertised and is open to the public

After the thesis defense, the student must electronically submit a properly formatted pdf copy of their thesis to the Graduate College for format check. Once the thesis format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for thesis defenses, format check submissions, and the final ProQuest submission can be found here.

Subplan 4 Requirements: Exam Track - Foundations and Theory

Total Credits Required: 30

Course Requirements

Required Courses - Credits: 9

Complete a total of 9 credits from the following courses.

- CS 656 - Automata and Formal Languages
- CS 677 - Analysis of Algorithms
- CS 715 - Advanced Analysis of Algorithms
- CS 758 - Computational Geometry
- CS 789 - Topics in Advanced Computer Science

Computer Science Courses - Credits:21

Complete 21 credits of 600- or 700- level Computer Science (CS) courses. Students may complete up to 6 credits outside of CS. Outside credits must be related to computer applications and approved by CS graduate committee.

Degree Requirements

1. The student must pass at least 30 credits of 600- and 700-level courses with grades of C or better.
2. Students must complete 18 credits of 700-level CS courses.
3. (Comprehensive Oral Exam on a Specialized Area) Students must choose one of the specialized areas covered by CS 600/700-level courses and approved by graduate affairs committee. They take 3 courses in the chosen specialized area. Students will form a committee (one chair, 2 other members from the department, and one from outside). The chair will assign a few papers/reading materials to the students, and the committee will give an oral exam to the students on the selected specialized area. Students will have only two attempts to pass the comprehensive oral exam.
4. Courses in which the student earns a grade lower than C cannot be included in his or her program, and the student's total grade point average (GPA) must be 3.00 or higher while in the program. A student whose GPA falls below 3.00 will be placed on academic probation. That student must have an overall GPA of

at least 3.00 by the end of two subsequent semesters; otherwise the student will be separated from the graduate program. A student on probation will not be allowed to register for CS 690 or equivalent courses in another department.

5. Exam Track must be declared and approved before completing 19 credit hours of CS coursework.

Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
2. The student must pass a final comprehensive oral examination.

Subplan 5 Requirements: Exam Track - Cyber Security

Total credits required: 30

Course Requirements

Required Courses - Credits: 9

Complete a total of 9 credits from the following courses.

- CS 643 - Information Assurance
- CS 645 - Internet Security
- CS 648 - Computer Security
- CS 649 - Computer and Network Forensics
- CS 665 - Computer Networks I
- CS 789 - Topics in Advanced Computer Science

Computer Science Courses - Credits:21

Complete 21 credits of 600- or 700- level Computer Science (CS) courses. Students may complete up to 6 credits outside of CS. Outside credits must be related to computer applications and approved by CS graduate committee.

Degree Requirements

1. The student must pass at least 30 credits of 600- and 700-level courses with grades of C or better.
2. Students must complete 18 credits of 700-level CS courses.
3. (Comprehensive Oral Exam on a Specialized Area) Students must choose one of the specialized areas covered by CS 600/700-level courses and approved by graduate affairs committee. They take 3 courses in the chosen specialized area. Students will form a committee (one chair, 2 other members from the department, and one from outside). The chair will assign a few papers/reading materials to the students, and the committee will give an oral exam to the students on the selected specialized area. Students will have only two attempts to pass the comprehensive oral exam.
4. Courses in which the student earns a grade lower

than C cannot be included in his or her program, and the student's total grade point average (GPA) must be 3.00 or higher while in the program. A student whose GPA falls below 3.00 will be placed on academic probation. That student must have an overall GPA of at least 3.00 by the end of two subsequent semesters; otherwise the student will be separated from the graduate program. A student on probation will not be allowed to register for CS 690 or equivalent courses in another department.

5. Exam Track must be declared and approved before completing 19 credit hours of CS coursework.

Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
2. The student must pass a final comprehensive oral examination.

Subplan 6 Requirements: Exam Track - AI and Machine Learning

Total credits required: 30

Course Requirements

Required Courses - Credits: 9

Complete a total of 9 credits from the following courses.

- CS 682 - Artificial Intelligence
- CS 781 - Automated Deduction
- CS 782 - Expert System Construction
- CS 783 - Genetic Algorithms and Neural Networks
- CS 789 - Topics in Advanced Computer Science

Computer Science Courses - Credits:21

Complete 21 credits of 600- or 700- level Computer Science (CS) courses. Students may complete up to 6 credits outside of CS. Outside credits must be related to computer applications and approved by CS graduate committee.

Degree Requirements

1. The student must pass at least 30 credits of 600- and 700-level courses with grades of C or better.
2. Students must complete 18 credits of 700-level CS courses.
3. (Comprehensive Oral Exam on a Specialized Area) Students must choose one of the specialized areas covered by CS 600/700-level courses and approved by graduate affairs committee. They take 3 courses in the chosen specialized area. Students will form a committee (one chair, 2 other members from the department, and one from outside). The chair

will assign a few papers/reading materials to the students, and the committee will give an oral exam to the students on the selected specialized area. Students will have only two attempts to pass the comprehensive oral exam.

4. Courses in which the student earns a grade lower than C cannot be included in his or her program, and the student's total grade point average (GPA) must be 3.00 or higher while in the program. A student whose GPA falls below 3.00 will be placed on academic probation. That student must have an overall GPA of at least 3.00 by the end of two subsequent semesters; otherwise the student will be separated from the graduate program. A student on probation will not be allowed to register for CS 690 or equivalent courses in another department.
5. Exam Track must be declared and approved before completing 19 credit hours of CS coursework.

Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
2. The student must pass a final comprehensive oral examination.

Subplan 7 Requirements: Exam Track - Software Engineering

Total credits required: 30

Course Requirements

Required Courses - Credits: 9

Complete a total of 9 credits from the following courses.

- CS 620 - Human-Computer Interaction
- CS 672 - Software Product Design and Development I
- CS 682 - Artificial Intelligence
- CS 772 - Software Architecture
- CS 789 - Topics in Advanced Computer Science

Computer Science Courses - Credits:21

Complete 21 credits of 600- or 700- level Computer Science (CS) courses. Students may complete up to 6 credits outside of CS. Outside credits must be related to computer applications and approved by CS graduate committee.

Degree Requirements

1. The student must pass at least 30 credits of 600- and 700-level courses with grades of C or better.
2. Students must complete 18 credits of 700-level CS courses.
3. (Comprehensive Oral Exam on a Specialized Area) Students must choose one of the specialized areas

covered by CS 600/700-level courses and approved by graduate affairs committee. They take 3 courses in the chosen specialized area. Students will form a committee (one chair, 2 other members from the department, and one from outside). The chair will assign a few papers/reading materials to the students, and the committee will give an oral exam to the students on the selected specialized area. Students will have only two attempts to pass the comprehensive oral exam.

4. Courses in which the student earns a grade lower than C cannot be included in his or her program, and the student's total grade point average (GPA) must be 3.00 or higher while in the program. A student whose GPA falls below 3.00 will be placed on academic probation. That student must have an overall GPA of at least 3.00 by the end of two subsequent semesters; otherwise the student will be separated from the graduate program. A student on probation will not be allowed to register for CS 690 or equivalent courses in another department.
5. Exam Track must be declared and approved before completing 19 credit hours of CS coursework.

Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
2. The student must pass a final comprehensive oral examination.

Subplan 8 Requirements: Exam Track - Data Science and Big Data

Total credits required: 30

Course Requirements

Required Courses - Credits: 9

Complete a total of 9 credits from the following courses.

1. CS 657 - Database Management Systems
2. CS 658 - Introduction to Data Mining
3. CS 672 - Software Product Design and Development I
4. CS 682 - Artificial Intelligence
5. CS 769 - Advanced Data Base Management
6. CS 783 - Genetic Algorithms and Neural Networks

Computer Science Courses - Credits:21

Complete 21 credits of 600- or 700- level Computer Science (CS) courses. Students may complete up to 6 credits outside of CS. Outside credits must be related to computer applications and approved by CS graduate committee.

Degree Requirements

- The student must pass at least 30 credits of 600- and

700-level courses with grades of C or better.

- Students must complete 18 credits of 700-level CS courses.
- (Comprehensive Oral Exam on a Specialized Area) Students must choose one of the specialized areas covered by CS 600/700-level courses and approved by graduate affairs committee. They take 3 courses in the chosen specialized area. Students will form a committee (one chair, 2 other members from the department, and one from outside). The chair will assign a few papers/reading materials to the students, and the committee will give an oral exam to the students on the selected specialized area. Students will have only two attempts to pass the comprehensive oral exam.
- Courses in which the student earns a grade lower than C cannot be included in his or her program, and the student's total grade point average (GPA) must be 3.00 or higher while in the program. A student whose GPA falls below 3.00 will be placed on academic probation. That student must have an overall GPA of at least 3.00 by the end of two subsequent semesters; otherwise the student will be separated from the graduate program. A student on probation will not be allowed to register for CS 690 or equivalent courses in another department.
- Exam Track must be declared and approved before completing 19 credit hours of CS coursework.

Graduation Requirements

- The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
- The student must pass a final comprehensive oral examination.

Subplan 9 Requirements: Exam Track - Database and Information Retrieval

Total credits required: 30

Course Requirements

Required Courses - Credits: 9

Complete a total of 9 credits from the following courses.

- CS 657 - Database Management Systems
- CS 658 - Introduction to Data Mining
- CS 682 - Artificial Intelligence
- CS 769 - Advanced Data Base Management

Computer Science Courses - Credits:21

Complete 21 credits of 600- or 700- level Computer Science (CS) courses. Students may complete up to 6 credits outside of CS. Outside credits must be related to computer applications and approved by CS graduate committee.

278 Graduate Catalog • College of Engineering

Degree Requirements

- The student must pass at least 30 credits of 600- and 700-level courses with grades of C or better.
- Students must complete 18 credits of 700-level CS courses.
- (Comprehensive Oral Exam on a Specialized Area) Students must choose one of the specialized areas covered by CS 600/700-level courses and approved by graduate affairs committee. They take 3 courses in the chosen specialized area. Students will form a committee (one chair, 2 other members from the department, and one from outside). The chair will assign a few papers/reading materials to the students, and the committee will give an oral exam to the students on the selected specialized area. Students will have only two attempts to pass the comprehensive oral exam.
- Courses in which the student earns a grade lower than C cannot be included in his or her program, and the student's total grade point average (GPA) must be 3.00 or higher while in the program. A student whose GPA falls below 3.00 will be placed on academic probation. That student must have an overall GPA of at least 3.00 by the end of two subsequent semesters; otherwise the student will be separated from the graduate program. A student on probation will not be allowed to register for CS 690 or equivalent courses in another department.
- Exam Track must be declared and approved before completing 19 credit hours of CS coursework.

Graduation Requirements

The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.

The student must pass a final comprehensive oral examination.

Subplan 10 Requirements: Exam Track - Graphics and Augmented Reality

Total credits required: 30

Course Requirements

Required Courses - Credits: 9

Complete a total of 9 credits from the following courses.

- CS 669 - Introduction to Digital Image Processing
- CS 680 - Computer Graphics
- CS 682 - Artificial Intelligence
- CS 689 - Advanced Computer Science Topics

Computer Science Courses - Credits:21

Complete 21 credits of 600- or 700- level Computer Science (CS) courses. Students may complete up to 6 credits outside of CS. Outside credits must be related

to computer applications and approved by CS graduate committee.

Degree Requirements

- The student must pass at least 30 credits of 600- and 700-level courses with grades of C or better.
- Students must complete 18 credits of 700-level CS courses.
- (Comprehensive Oral Exam on a Specialized Area) Students must choose one of the specialized areas covered by CS 600/700-level courses and approved by graduate affairs committee. They take 3 courses in the chosen specialized area. Students will form a committee (one chair, 2 other members from the department, and one from outside). The chair will assign a few papers/reading materials to the students, and the committee will give an oral exam to the students on the selected specialized area. Students will have only two attempts to pass the comprehensive oral exam.
- Courses in which the student earns a grade lower than C cannot be included in his or her program, and the student's total grade point average (GPA) must be 3.00 or higher while in the program. A student whose GPA falls below 3.00 will be placed on academic probation. That student must have an overall GPA of at least 3.00 by the end of two subsequent semesters; otherwise the student will be separated from the graduate program. A student on probation will not be allowed to register for CS 690 or equivalent courses in another department.
- Exam Track must be declared and approved before completing 19 credit hours of CS coursework.

Graduation Requirements

- The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
- The student must pass a final comprehensive oral examination.

Subplan 11 Requirements: Exam Track - Programming Language and Systems

Total credits required: 30

Course Requirements

Required Courses - Credits: 9

Complete a total of 9 credits from the following courses.

- CS 656 - Automata and Formal Languages
- CS 789 - Topics in Advanced Computer Science

Computer Science Courses - Credits:21

Complete 21 credits of 600- or 700- level Computer Science (CS) courses. Students may complete up to 6 credits outside of CS. Outside credits must be related

to computer applications and approved by CS graduate committee.

Degree Requirements

- The student must pass at least 30 credits of 600- and 700-level courses with grades of C or better.
- Students must complete 18 credits of 700-level CS courses.
- (Comprehensive Oral Exam on a Specialized Area) Students must choose one of the specialized areas covered by CS 600/700-level courses and approved by graduate affairs committee. They take 3 courses in the chosen specialized area. Students will form a committee (one chair, 2 other members from the department, and one from outside). The chair will assign a few papers/reading materials to the students, and the committee will give an oral exam to the students on the selected specialized area. Students will have only two attempts to pass the comprehensive oral exam.
- Courses in which the student earns a grade lower than C cannot be included in his or her program, and the student's total grade point average (GPA) must be 3.00 or higher while in the program. A student whose GPA falls below 3.00 will be placed on academic probation. That student must have an overall GPA of at least 3.00 by the end of two subsequent semesters; otherwise the student will be separated from the graduate program. A student on probation will not be allowed to register for CS 690 or equivalent courses in another department.
- Exam Track must be declared and approved before completing 19 credit hours of CS coursework.

Graduation Requirements

The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.

The student must pass a final comprehensive oral examination.

Plan Graduation Requirements

Refer to your subplan for Graduation Requirements.

Doctor of Philosophy - Computer Science

Plan Description

The Ph.D. degree is awarded to a candidate who has demonstrated breadth of knowledge in computer science in general and has displayed depth of knowledge in the area of specialty as well as the ability to make original contributions to the body of knowledge in this field.

For more information about your program, including your graduate program handbook and learning outcomes, please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

Applicants for admission to the Ph.D. program in computer science must meet the following:

1. A GPA of 3.70 (on a 4.00 scale) or higher in post-baccalaureate course work is required for admission. Students entering with a bachelor's degree must have a GPA of 3.5 or higher for the courses at the 200-level or above.
2. Students are expected to have a master's degree in computer science before applying to the Ph.D. program. On rare occasions, an unusually capable student may be admitted to work directly for the Ph.D. degree without having a master's degree.
3. At least three letters of recommendation (preferably from academic sources) attesting to the applicant's professional competence and academic potential are required.
4. A personal statement of purpose, which should be as specific as possible and should include the applicant's objectives and area(s) of interest, is required.
5. A minimum score of 315 on the general test of the Graduate Record Examination (GRE) is required. Official score reports from the last five years are acceptable.

Additional information for the Integrated BS-PhD degree program:

1. Up to nine credit hours of approved graduate-level course work can be taken as technical electives for the grade of B or better during the senior year and those credit hours will be waived for the graduate degree.
2. The GRE requirement is waived for students participating in the Integrated BS-MS track.

The following conditions must be met to enroll in the Integrated BS-MS program:

1. A minimum of two semesters of full-time enrollment in B.S. of Computer Science program is required.
2. Applications are normally submitted with two semesters remaining in the senior year.
3. A minimum of 90 credit hours of course work applicable to the B.S. of Computer Science degree with a cumulative GPA of 3.3 or higher must be completed before beginning the joint degree program.
4. Student have to choose the thesis option in the MS degree. Students interested in this program and who also meet the credentials listed above should request a letter of nomination from a Computer Science faculty member. Submit this letter along with a short resume (no more than 2 pages) and an application form to the

main office of the department of Computer Science. The materials will be evaluated by the Graduate committee.

All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

See Subplan Requirements below.

Subplan 1: Post-Master's Track

Subplan 2: Post-Bachelor's Track

Subplan 3: Integrated BS-PhD Track

Subplan 1 Requirements: Post-Master's Track

Total Credits Required: 48

Course Requirements

Required Courses – Credits: 30

Complete 30 credits of 600- or 700- level Computer Science (CS) courses.

Dissertation – Credits: 18

CS 799 - Dissertation Research

Degree Requirements

1. A student entering the Ph.D. program with a master's degree in computer science is required to take at least 48 credits of coursework.
2. At least 24 credits must be in computer science (excluding dissertation).
3. A minimum of 12 credits of 700-level Computer Science courses (excluding CS 791, CS 795, CS 798, CS 799).
4. A maximum of 12 credits of 600-level Computer Science courses.
5. A maximum of 6 credits of 600/700 level non-Computer Science courses (with departmental approval).
6. A Ph.D. student can take at most 9 credits per semester from a combination of CS 795, CS 798, CS 799 and any other course. During the summer a Ph.D. student can take at most 9 credits overall, not per summer session, from a combination of CS 795, CS 798, CS 799, and any other course.
7. Satisfactorily pass a written comprehensive examination within the first four semesters.
 1. The written comprehensive examination will be given twice a year. The comprehensives will assess the student's breadth of knowledge through examinations covering the six Core Areas

listed below:

1. Automata and formal languages
2. Algorithms and data structures
3. Programming languages
4. Compiler construction
5. Computer architecture
6. Operating systems

2. A syllabus will be published well in advance of the exams listing the topics to be covered in each exam. Students are expected to take the comprehensive examination within two years of entering the Ph.D. program. All Ph.D. students are urged to take this examination as early as possible. Preference is given in the allocation of student financial support to those who have passed the comprehensive examination. The comprehensive examination may be attempted at most twice. Students who do not pass the comprehensive examination the first time must retake the examination at the next scheduled offering. Failure to pass the comprehensive examination after two attempts will normally lead to dismissal from the Ph.D. program. After passing the comprehensive examination, a research topic of mutual interest to the student and his/her proposed committee is selected. At this point, the student formally begins his/her research study.

8. The qualifying examination is an oral examination designed to test the depth of the student's knowledge in his or her area of research specialization.
 1. It must be taken before either:
 1. Two years after passing the comprehensive examination or
 2. Four years after entering the Ph.D. program.
 2. It generally focuses on his/her dissertation proposal. The main purpose of this exam is to evaluate the technical merits and feasibility of the student's proposal for his/her Ph.D. dissertation.
 3. The student's Ph.D. committee must conduct the examination. This committee consists of five faculty members of whom one must be from outside the Department of Computer Science. The student's advisor is the chairperson of this committee. Please see Graduate College policy for committee appointment guidelines.
 4. The student must prepare a dissertation proposal before taking this examination. The student's advisor should have already approved this proposal. This proposal must be given to the Ph.D. committee members at least two weeks before the date of the qualifying exam. The proposal must contain a discussion of the background literature on the problem area, description of the specific topic of research

proposal approach, feasibility arguments, the objective of the research project, and a list of references.

5. The student begins the exam with a presentation of the dissertation proposal. The remaining time is used for discussion and asking questions to determine if the student has sufficient depth of knowledge to carry out the proposed research.
6. The examination cannot be taken more than examination, the student is advanced to candidacy for the doctoral degree.
9. Satisfactorily pass a dissertation proposal defense by the end of year 4.
10. The candidate must prepare a dissertation on his or her research. The doctoral dissertation should represent a significant original research contribution to the field of computer science and be publishable in a recognized refereed journal.
11. After completion of the dissertation, the candidate must pass a final oral defense of his/her dissertation. The candidate must make the final changes, if any, in the dissertation within three months from the date of the oral defense. A candidate can defend the dissertation no more than twice. Each member of the committee must approve the final dissertation.
12. Maintain a satisfactory rate of progress and a yearly progress report must be submitted. To maintain satisfactory progress in the Ph.D. program a student must:
 1. Pass the comprehensive examination within 4 semesters of entering the Ph.D. program.
 2. Maintain a minimum grade point average required by the College of Engineering.
 3. Pass the qualifying examination within four years of entering the Ph.D. program.
 4. Maintain satisfactory progress towards research.
 5. Students who enter the Ph.D. program with a master's degree must complete all requirements for the Ph.D. degree within six years. If these requirements are not met, the department may place the student on academic probation or drop him/her from the Ph.D. program.

Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
2. The student must submit and successfully defend his/her dissertation by the posted deadline. The defense must be advertised and is open to the public.

After the dissertation defense, the student must electronically submit a properly formatted pdf copy of

their dissertation to the Graduate College for format check. Once the dissertation format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for dissertation defenses, format check submissions, and the final ProQuest submission can be found here.

Subplan 2 Requirements: Post-Bachelor's Track

Total Credits Required: 72

Course Requirements

Required Courses – Credits: 54

Complete 54 credits of 600- or 700- level Computer Science (CS) courses.

Dissertation – Credits: 18

- CS 799 - Dissertation Research

Degree Requirements

1. Complete a minimum of 72 credits of coursework with a minimum GPA of 3.00.
2. At least 42 credits must be in computer science (excluding dissertation).
3. A minimum of 12 credits of 700-level Computer Science courses (excluding CS 791, CS 795, CS 798, CS 799)
4. A maximum of 12 credits of 600-level Computer Science courses.
5. A maximum of 6 credits of 600/700 level non-Computer Science courses (with departmental approval).
6. A Ph.D. student can take at most 9 credits per semester from a combination of CS 795, CS 798, CS 799 and any other course. During the summer a Ph.D. student can take at most 9 credits overall, not per summer session, from a combination of CS 795, CS 798, CS 799, and any other course.
7. Satisfactorily pass a written comprehensive examination within the first four semesters.
 1. The written comprehensive examination will be given twice a year. The comprehensives will assess the student's breadth of knowledge through two examinations covering the six Core Areas listed below:
 1. Automata and formal languages
 2. Algorithms and data structures
 3. Programming languages
 4. Compiler construction
 5. Computer architecture
 6. Operating systems
 2. A syllabus will be published well in advance of the exams listing the topics to be covered in each exam. Students are expected to take the comprehensive

examination within two years of entering the Ph.D. program. All Ph.D. students are urged to take this examination as early as possible. Preference is given in the allocation of student financial support to those who have passed the comprehensive examination. The comprehensive examination may be attempted at most twice. Students who do not pass the comprehensive examination the first time must retake the examination at the next scheduled offering. Failure to pass the comprehensive examination after two attempts will normally lead to dismissal from the Ph.D. program. After passing the comprehensive examination, a research topic of mutual interest to the student and his/her proposed committee is selected. At this point, the student formally begins his/her research study.

8. The qualifying examination is an oral examination designed to test the depth of the student's knowledge in his or her area of research specialization.
 1. It must be taken before either:
 1. Two years after passing the comprehensive examination or
 2. Four years after entering the Ph.D. program.
 2. It generally focuses on his/her dissertation proposal. The main purpose of this exam is to evaluate the technical merits and feasibility of the student's proposal for his/her Ph.D. dissertation.
 3. The student's Ph.D. committee must conduct the examination. This committee consists of five faculty members of whom one must be from outside the Department of Computer Science. The student's advisor is the chairperson of this committee. Please see Graduate College policy for committee appointment guidelines.
 4. The student must prepare a dissertation proposal before taking this examination. The student's advisor should have already approved this proposal. This proposal must be given to the Ph.D. committee members at least two weeks before the date of the qualifying exam. The proposal must contain a discussion of the background literature on the problem area, description of the specific topic of research proposal approach, feasibility arguments, the objective of the research project, and a list of references.
 5. The student begins the exam with a presentation of the dissertation proposal. The remaining time is used for discussion and asking questions to determine if the student has sufficient depth of knowledge to carry out the proposed research.
 6. The examination cannot be taken more than twice. After successful completion of the qualifying examination, the student is advanced to candidacy for the doctoral degree.

9. Satisfactorily pass a dissertation proposal defense by the end of year 4.
10. The candidate must prepare a dissertation on his or her research. The doctoral dissertation should represent a significant original research contribution to the field of computer science and be publishable in a recognized refereed journal.
11. After completion of the dissertation, the candidate must pass a final oral defense of his/her dissertation. The candidate must make the final changes, if any, in the dissertation within three months from the date of the oral defense. A candidate can defend the dissertation no more than twice. Each member of the committee must approve the final dissertation.
12. Maintain a satisfactory rate of progress and a yearly progress report must be submitted. To maintain satisfactory progress in the Ph.D. program a student must:
 1. Pass the comprehensive examination within 4 semesters of entering the Ph.D. program.
 2. Maintain a minimum grade point average required by the College of Engineering.
 3. Pass the qualifying examination within four years of entering the Ph.D. program.
 4. Maintain satisfactory progress towards research.
 5. Those who enter the Ph.D. program with a bachelor's degree must complete all requirements for the Ph.D. degree within eight years. If these requirements are not met, the department may place the student on academic probation or drop him/her from the Ph.D. program.

Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
2. The student must submit and successfully defend his/her dissertation by the posted deadline. The defense must be advertised and is open to the public.
3. After the dissertation defense, the student must electronically submit a properly formatted pdf copy of their dissertation to the Graduate College for format check. Once the dissertation format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for dissertation defenses, format check submissions, and the final ProQuest submission can be found here.

Subplan 3 Requirements: BS-PhD Integrated Track

Total Credits Required: 72

Course Requirements

Required Courses – Credits: 45-51

Complete 45-51 credits of 600- or 700- level Computer Science (CS) courses.

Dissertation – Credits: 18

CS 799 - Dissertation Research

Degree Requirements

1. Complete a minimum of 72 credits of coursework with a minimum GPA of 3.00.
2. At least 42 credits must be in computer science (excluding dissertation).
3. A minimum of 12 credits of 700-level Computer Science courses (excluding CS 791, CS 795, CS 798, CS 799)
4. A maximum of 12 credits of 600-level Computer Science courses.
5. A maximum of 6 credits of 600/700 level non-Computer Science courses (with departmental approval).
6. A Ph.D. student can take at most 9 credits per semester from a combination of CS 795, CS 798, CS 799 and any other course. During the summer a Ph.D. student can take at most 9 credits overall, not per summer session, from a combination of CS 795, CS 798, CS 799, and any other course.
7. Satisfactorily pass a written comprehensive examination within the first four semesters.

1. The written comprehensive examination will be given twice a year. The comprehensives will assess the student's breadth of knowledge through two examinations covering the six Core Areas listed below:

1. Automata and formal languages
2. Algorithms and data structures
3. Programming languages
4. Compiler construction
5. Computer architecture
6. Operating systems

2. A syllabus will be published well in advance of the exams listing the topics to be covered in each exam. Students are expected to take the comprehensive examination within two years of entering the Ph.D. program. All Ph.D. students are urged to take this examination as early as possible. Preference is given in the allocation of student financial support to those who have passed the comprehensive examination. The comprehensive examination may be attempted at most twice. Students who do not pass the comprehensive examination the first time must retake the examination at the next scheduled offering. Failure to pass the comprehensive examination after two attempts will normally lead to dismissal from the Ph.D. program. After passing the comprehensive examination, a research topic of mutual interest to the

student and his/her proposed committee is selected. At this point, the student formally begins his/her research study.

8. . The qualifying examination is an oral examination designed to test the depth of the student's knowledge in his or her area of research specialization.
 1. It must be taken before either:
 1. Two years after passing the comprehensive examination or
 2. Four years after entering the Ph.D. program.
 2. It generally focuses on his/her dissertation proposal. The main purpose of this exam is to evaluate the technical merits and feasibility of the student's proposal for his/her Ph.D. dissertation.
 3. The student's Ph.D. committee must conduct the examination. This committee consists of five faculty members of whom one must be from outside the Department of Computer Science. The student's advisor is the chairperson of this committee. Please see Graduate College policy for committee appointment guidelines.
 4. The student must prepare a dissertation proposal before taking this examination. The student's advisor should have already approved this proposal. This proposal must be given to the Ph.D. committee members at least two weeks before the date of the qualifying exam. The proposal must contain a discussion of the background literature on the problem area, description of the specific topic of research proposal approach, feasibility arguments, the objective of the research project, and a list of references.
 5. The student begins the exam with a presentation of the dissertation proposal. The remaining time is used for discussion and asking questions to determine if the student has sufficient depth of knowledge to carry out the proposed research.
 6. The examination cannot be taken more than twice. After successful completion of the qualifying examination, the student is advanced to candidacy for the doctoral degree.
9. Satisfactorily pass a dissertation proposal defense by the end of year 4.
10. The candidate must prepare a dissertation on his or her research. The doctoral dissertation should represent a significant original research contribution to the field of computer science and be publishable in a recognized refereed journal.
11. After completion of the dissertation, the candidate must pass a final oral defense of his/her dissertation. The candidate must make the final changes, if any, in the dissertation within three months from the date of the oral defense. A candidate can defend the dissertation no more than twice. Each member of the

committee must approve the final dissertation.

12. Maintain a satisfactory rate of progress and a yearly progress report must be submitted. To maintain satisfactory progress in the Ph.D. program a student must:
 1. Pass the comprehensive examination within 4 semesters of entering the Ph.D. program.
 2. Maintain a minimum grade point average required by the College of Engineering.
 3. Pass the qualifying examination within four years of entering the Ph.D. program.
 4. Maintain satisfactory progress towards research.
 5. Those who enter the Ph.D. program with a bachelor's degree must complete all requirements for the Ph.D. degree within eight years. If these requirements are not met, the department may place the student on academic probation or drop him/her from the Ph.D. program. Students may be released from up to 9 credits of classes towards completion of the M.S. degree as long as the average G.P.A for these classes taken as part of the undergraduate program is a 3.0 or above.

Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
2. The student must submit and successfully defend his/her dissertation by the posted deadline. The defense must be advertised and is open to the public.
3. After the dissertation defense, the student must electronically submit a properly formatted pdf copy of their dissertation to the Graduate College for format check. Once the dissertation format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for dissertation defenses, format check submissions, and the final ProQuest submission can be found here.

Plan Graduation Requirements

Refer to your subplan for Graduation Requirements.

Computer Science Courses

CS 620 - Human-Computer Interaction **Credits 3**
Overview of human-computer interaction principles, guidelines, methods, and tools. User research, low-fidelity prototyping, participatory design, usability evaluation, visual design, usability principles, and affordances. Graphical user interface implementation, including design patterns, event handling, widget tool kits, languages, and development environments. Notes: This course is crosslisted with CS 420. Credit at the 600-level requires additional work. Prerequisites: Consent of Instructor

CS 641 - Advanced Internet Programming Credits 2

Advanced Internet programming design and applications including client/server technologies and environment and software, client/server network operating systems, client/server database management systems, data warehousing environments, data mining, basic networking models and protocols, CASE tools, Groupware, Middleware, Internet security, privacy considerations. Notes: This course is crosslisted with CS 441. Credit at the 600-level requires additional work.

CS 641L - Advanced Internet Programming Lab Credits 1

Helps student develop practical skills and learn to apply industry-wide standards and practices for advanced Internet and Internet 2 applications. Notes: This course is crosslisted with CS 441L. Credit at the 600-level requires additional work.

CS 643 - Information Assurance Credits 3

Introduction to the principles of information assurance. Security awareness, Survey of information security technologies, cryptography, management and administration techniques necessary to improve information security and respond to a security breach, survey of threats to information security, privacy in computing, legal and ethical issues relating to information security, and case studies. Same as CS 443

CS 645 - Internet Security Credits 3

Internet security theory and practice, advanced IP concepts, the concepts of stimulus and response in the context of securing a network, network packet and traffic analysis, internet protocol (IP) vulnerabilities, packet filtering, intrusion detection, internet exploits, exploit signatures, internet forensics, network security investigation. Notes: This course is crosslisted with CS 445. Credit at the 600-level requires additional work.

CS 648 - Computer Security Credits 3

Overview of computer security, threats, vulnerabilities and controls. Physical security, computer security policies and implementation plans, and computer forensics including penetration testing and investigation. Management issues. Legal, privacy and ethical issues. Notes: This course is crosslisted with CS 448. Credit at the 600-level requires additional work.

CS 649 - Computer and Network Forensics Credits 3

Basics of Computer Forensics and Network Forensics. How to protect your privacy on the internet: Email, obfuscation, web sites and servers. Encryption, data hiding, and hostile code. Investigating Windows and Unix. File system recovery/analysis and file management in different OSes. Technical and legal issues regarding digital evidence collection and forensics analysis. This course is crosslisted with CS 449. Credit at the 600-level requires additional work. Prerequisites: CS 645 or CS 648

CS 651L - Multimedia Systems Design Lab Credits 1

Helps student develop practical skills and learn to apply industry-wide standards and practices for the design of multimedia systems. Notes: This course is crosslisted with CS 451L. Credit at the 600-level requires additional work.

CS 656 - Automata and Formal Languages Credits 3

Regular expressions. Regular, context-free, and unrestricted grammars. Finite and pushdown automata. Turing machines and the halting problem; introduction to decidability. Notes: This course is crosslisted with CS 456. Credit at the 600-level requires additional work.

CS 657 - Database Management Systems Credits 3

Concepts and structures necessary for design and implementation of a database management system. Survey of current database management systems and use of a DBMS. Notes: This course is crosslisted with CS 457. Credit at the 600-level requires additional work.

CS 658 - Introduction to Data Mining Credits 3

Introduction to basic concepts in data mining. Topics include association rule discovery, information extraction, categorization, and clustering. Of particular interest are programming and indexing methods associated with analysis and storage of massive data sets. These include MapReduce, and Locality sensitive hashing. Notes: This course is crosslisted with CS 458. Coursework at the 600-level requires additional work. Prerequisites: Admission to the CSMS or CSPHD programs.

CS 660 - Compiler Construction Credits 3

Current methods in the design and implementation of compilers. Construction of the components of an actual compiler as a term project. Notes: This course is crosslisted with CS 460. Credit at the 600-level requires additional work.

CS 663 - Computer Architecture Credits 3

Introduction to computer architecture. Topics include basic computer organization concepts; history and taxonomy of computer architectures; language and software influences on architecture; instruction set design; stack, array, data flow, and database machines; multiprocessor and network architectures; and fault tolerant designs. Notes: This course is crosslisted with CS 463. Credit at the 600-level requires additional work

CS 665 - Computer Networks I Credits 3

An introduction to the design and implementation of computer communication networks, their protocols and applications. It covers the technologies and standards in data transmission, telecommunication networks, network architectures, networking hardware, wireless networks, and the basis of the Internet including UDP and TCP as well as a number of application protocols. Notes: This course is crosslisted with CS 465. Credit at the 600-level requires additional work. Prerequisites: CS 370

CS 666 - Computer Networks II Credits 3

Explores advanced topics in computer networks, the protocols, algorithms, hardware, and performance issues, especially in TCP/IP networks. Details of IP routing algorithms, quality of service, protocol implementation issues, router architecture and types, various TCP versions and their performance, the related telecommunication networks, and wireless technologies are discussed. Notes: This course is crosslisted with CS 466. Credit at the 600-level requires additional work. Prerequisites: CS 665 or CS 465

CS 669 - Introduction to Digital Image Processing Credits 3

Background and basics of digital image processing. Topics include: the human visual system, image representation, sampling, image mathematics, and geometry, image enhancement, smoothing and sharpening, the fast Fourier transform, and a survey of image restoration methods. Notes: This course is crosslisted with CS 469. Credit at the 600-level requires additional work. Prerequisites: MATH 365 and STAT 411 and CS 117 or CS 135

CS 670 - Networks and Distributed Systems Credits 3

Explores protocols and experiments with creating and implementing new protocols. In addition, students will be introduced to concepts such as deadlocks in networks/distributed applications, communication in distributed systems (among other RPC/RMI and the client server model in more detail), synchronization, reliability, transparency, and atomicity/transaction semantics. Notes: This course is crosslisted with CS 470. Credit at the 600-level requires additional work.

CS 672 - Software Product Design and Development I Credits 3

Current techniques in software design presented with emphasis on architecture first development. Introduction to the processes involved in development. Practice architectural design through a series of homework problems. Students work in teams to prepare the architecture for a software product. Notes: This

course is crosslisted with CS 672. Credit at the 600-level requires additional work. Prerequisites: CS 326 and CS 370

CS 673 - Software Product Design II Credits 3
Synthesis (term project) course to involve students, working in teams, in all of the activities necessary to define, model, implement, test, document, and deliver a program product. Students practice Object-Oriented and Component Based development and utilize UML and CASE tools to model the product and document the process. Notes: This course is crosslisted with CS 473. Credit at the 600-level requires additional work. Prerequisites: CS 672 or CS 472

CS 674 - Decision Environments for Software Product Development Credits 3
Term project course to involve students, working in teams, with all of the activities and tools necessary to measure progress and monitor the development of a software product. Students utilize CASE tools for planning, for requirements management, for configuration management, for change management, and for product and process measurement for a product development project. Notes: This course is crosslisted with CS 474. Credit at the 600-level requires additional work. Prerequisites: CS 672 or CS 472

CS 677 - Analysis of Algorithms Credits 3
Analysis of the time and space complexity of algorithms. Techniques for efficient algorithm design and effect of structure choice on efficiency. Fast algorithms for problems such as set, graph and matrix manipulations, pattern matching, sorting, and storage organization. Exponential time problems and introduction to NP-completeness. Notes: This course is crosslisted with CS 477. Credit at the 600-level requires additional work. Prerequisites: CS 302 and MATH 351

CS 680 - Computer Graphics Credits 3
Graphics hardware, software and applications. Data structures for graphics, graphics languages, computer-aided design, and three-dimensional graphics. Notes: This course is crosslisted with CS 480. Credit at the 600-level requires additional work. Prerequisites: CS 302 and MATH 365

CS 682 - Artificial Intelligence Credits 3
Survey of current artificial intelligence technologies: game playing, theorem-proving, natural language processing, pattern recognition, and heuristic programming. Notes: This course is cross listed with CS 482. Credit at the 600 level requires additional work. Prerequisites: CS 302 and PHIL 422

CS 688 - Big Data Analytics Credits 3
This course provides an introduction to the basic concepts of big data analytics. Topics covered will include: statistical analysis, machine learning, cloud computing, Hadoop, MapReduce, Spark, DataBridge, data privacy, and R language. Notes: This course is crosslisted with CS 488. Coursework at the 600-level requires additional work. Prerequisites: Permission of instructor.

CS 689 - Advanced Computer Science Topics Credits 3
Undergraduate-level course in advanced topics of computer science, depending upon the interest of faculty and students. Notes: This course is crosslisted with CS 489. Credit at the 600-level requires additional work.

CS 690 - Independent Study Credits 1-3
Library research and reports on topics of computer science interest. May be repeated for credit with the consent of the Department of Computer Science Notes: This course is crosslisted with CS 490. Credit at the 600-level requires additional work

CS 715 - Advanced Analysis of Algorithms Credits 3
Analysis of the complexity and correctness of asymptotically efficient algorithms, including set partitioning, matrix

multiplication, integer multiplication and pattern matching algorithms. The theory of NP-completeness; Cook's theorem and polynomial transformations. Basic NP-complete problems, such as the three-satisfactory, three dimensional matching and Hamiltonian circuit problems. PSPACE-completeness results, such as quantified Boolean formulas. Prerequisites: CS 656 and CS 677

CS 733 - Geographic Data Base Systems Credits 3
Spatial data types and operators: point queries, range queries, translation, rotation, and scaling. Data structures for object representation: arc tree, quadtrees. Commercial data bases vs. spatial data bases: relational, hierarchical, network. Notes: (May not be used to satisfy degree requirements in Computer Science.) Prerequisites: CS 135 or CS 117 or equivalent and STAT 611

CS 734 - Fundamentals of Blockchain Technology Credits 3
Addresses core concepts such as blockchain architecture, cryptography, consensus algorithms, scalability, privacy, security, and blockchain infrastructure. Examines various use cases such as cryptocurrency, supply chain management, healthcare, and digital identity. Requires building decentralized applications using smart contract on various blockchain platforms. Grading Letter Grade. Prerequisites: Graduate standing.

CS 740 - Statistical Pattern Recognition Credits 3
Concepts and formal theoretical structures necessary for design and implementation of a pattern recognition system. Topics include: parametric and non-parametric methods, linear and non-linear classifiers and clustering algorithms. Prerequisites: STA 667, MATH 253 or 265, and CS 302

CS 741 - Structural Pattern Recognition Credits 3
Survey of advanced pattern recognition techniques. Topics include: graph matching methods, syntactic approaches, neural nets, and context-dependent methods. Prerequisites: CS 656 and CS 677

CS 747 - Cryptography and Information Theory Credits 3
Cryptography, cryptographic systems, encryption algorithms, cryptographic techniques, access control, lattice model of information flow, flow control mechanisms, inference control mechanisms, mechanisms restricting noise, mechanisms restricting statistics, statistical database models. Prerequisites: CS 370, STAT 411

CS 758 - Computational Geometry Credits 3
Geometric searching, point location, range searching, convex hull, Graham's scan, gift wrapping, dynamic convex hull, proximity closest pair, Voronoi diagram, triangulation. Intersection, visibility shortest paths, geometry of rectangles. Prerequisites: CS 677

CS 769 - Advanced Data Base Management Credits 3
Continuation of CS 632, including normalization of relational data bases using functional and multivalued dependencies. Query processing, query interpretation, query optimization, and methods for implementing and optimizing logic queries. Knowledge data bases, distributed data bases and object-oriented data bases. Prerequisites: CS 657

CS 772 - Software Architecture Credits 3
Survey of advanced techniques for specifying and designing large software systems. System verification. Reliability and project management. Prerequisites: CS 370, CS 672, and CS 660, or consent of instructor.

CS 780 - Distributed Computing and Algorithms Credits 3
Methods and algorithms of distributed computing. Topics may include architecture and design goals, formal approaches to distributed computing problems, networks and protocols, models of distributed computing, synchronization and communication, synchronous and asynchronous systems, fault-tolerance

and reliability, self-stabilization, distributed algorithms and applications. Prerequisites: CS 370, CS 677

CS 781 - Automated Deduction Credits 3
Use of computers for forming deductions and proving theorems in symbolic logic covered. Topics include resolution, unification, proof strategies, and equality. Also examines areas of application: problem solving, question answering, program verification, automatic programming and logic programming (Prolog). Prerequisites: CS 682

CS 782 - Expert System Construction Credits 3
Design, organization, and construction of expert systems. Includes general concepts, characteristics, elements, advantages, and examples of expert systems. Also rule-based knowledge representations, inference techniques, implementation tools and shells, and advanced topics. Prerequisites: CS 682

CS 783 - Genetic Algorithms and Neural Networks Credits 3
A study of the utility of adaptive methods and their limitations across optimization problems spanning areas of engineering. Topics include genetic algorithms and genetic programming, simulated annealing, tabu search, neural networks, artificial life. Use of software tools for implementations.

CS 784 - Scheduling Credits 3
Results and techniques in the area of scheduling: assigning times to tasks under constraints. Tools in combinatorial optimization: branch and bound, integer linear programming, adaptive algorithms, local search heuristics, tabu search, matching, network flow. Complexity results. Online and offline optimization. Real-world applications to logistics and computer systems. Grading Letter Grade. Prerequisites: CS 677 or permission of instructor.

CS 787 - Advanced Big Data Analytics Credits 3
Cutting-edge technologies for big data analytics including various deep learning architecture, and algorithms. Explores specialized neural network architectures for both structured and unstructured big data including text analysis, image recognition, natural language processing, video analysis, gaming and security. Grading Letter grade

CS 788 - Computational Environmetrics Credits 3
Applications of sensor networks and pattern recognition to environmental problems. Geometric pattern recognition: metrics for comparing 2-d shapes, signature functions, turning functions. Geometric algorithms in sensor networks. Position based routing, face routing, broadcasting and multi-casting. Interference aware sensor networks. Data gathering and target recognition. Prototype implementation. Prerequisites: Consent of instructor.

CS 789 - Topics in Advanced Computer Science Credits 3-24
Graduate-level course in some field of computer science, at advanced level, depending upon the current interest of the staff and the students. Notes: May be repeated with a different subject matter to a maximum of twenty four credits. Prerequisites: Consent of instructor.

CS 790 - Master's Project Credits 1 – 3
Research, analysis, and development work towards completion of an approved project. Notes: May be repeated, but only three credits will be applied to the student's program. Grading S/F grading only. Prerequisites: Consent of instructor.

CS 791 - Thesis Credits 3 – 6
Research, analysis, and development work towards completion of an approved project. Notes; May be repeated, but only six credits will be applied to the student's program. Grading S/F grading only. Prerequisites: Consent of instructor.

CS 792 - Research Seminar Credits 1
Oral presentation of assigned articles. Notes: May be repeated to a maximum of four credits. Prerequisites: Consent of instructor.

CS 795 - Directed Research Credits 3
Supervised research in the doctoral program. May be repeated for a maximum of twelve credits. Prerequisites: Department consent.

CS 798 - Dissertation Proposal Credits 3
Development of a prospectus. Notes: May be repeated to a maximum of 6 credits. Prerequisites: Department consent.

CS 799 - Dissertation Research Credits 1 – 6
Research analysis and writing towards completion of dissertation and subsequent defense. Notes: May be repeated but no more than 18 credits will be allowed in the degree. Grading S/F grading only. Prerequisites: Department consent.

INF 730 - Human Computer Interaction Credits 3
Covers the fundamental concepts and techniques for design, implementation, and evaluation of human computer interfaces. Topics include Foundations of Human computer interaction, design and implementation techniques for graphical user interfaces, evaluation techniques, and different interface models. Prerequisites: Consent of instructor.

INF 760 - Advanced Theoretical Foundations of Informatics Credits 3
Advanced course to cover mathematical methods for information modeling, analysis, and manipulation. Requires various research article reading and discussions. Topics include proof techniques, first-order logic, computability theory, complexity theory, model theory, and statistics. Prerequisites; INF 700

INF 790 - Informatics Project Credits 3
Advanced project in informatics. Notes; May be repeated for different project topics, but only three credits will be applied to the student's program. Prerequisites: INF 700 and consent of instructor.

INF 792 - Internship Credits 3
Supervised internship in business, industry, government, or educational institution providing practical experience to use skills and knowledge acquired in informatics and cognate course work. Prerequisites: INF 700 and consent of instructor.

INF 795 - Independent Study in Informatics Credits 1-6
Supervised independent work in a topic of Informatics. Notes: May be repeated but no more than 6 credits will be allowed in the degree. Grading S/F grading only Prerequisites: INF 700 and Instructor consent

INF 799 - Dissertation Research Credits 1 – 6
Research analysis and writing towards completion of dissertation and subsequent defense. Notes: May be repeated but no more than eighteen credits will be allowed in the degree. Prerequisites: Passing the written comprehensive examination.

ITE 621 - Programming For Data Analytics I Credits 3
Program design, coding, debugging, and documentation using techniques of good programming style in the Python programming language for the field of data analytics. Grading Letter Grade.

ITE 622 - Programming for Data Analytics II Credits 3
Explores techniques used in data analytics: linear regression, binary classification, support vector machines, neural networks, deep learning, and clustering and dimensionality reduction. Focuses on the practical application of these tools and discusses applications of data analytics with a focus on business, health, bioinformatics, OCR, text and web data processing. Grading Letter Grade. Prerequisites: ITE 621 or consent of instructor.

ITE 651 - Managing Big Data and Web Databases Credits 3

This course will teach the concepts and techniques of databases for real-time web and big data applications. The course will focus primarily on NoSQL, object oriented, and XML databases. Topics include characteristics and significance of NoSQL databases, NoSQL data formats, key and value pairs, basic schema in NoSQL, and table structures and data types. Same as Crosslisted with ITE 451 Notes: Not repeatable beyond 3 credits. Grading Letter Grade

Electrical and Computer Engineering

Electrical engineering is the basic and applied research of scientific and mathematical principles to investigate, invent, develop, design, manufacture, and control machines, processes, phenomena, and/or systems. The work of electrical engineers has had and continues to have a direct and vital impact on people's lives in the fields of environment, energy, defense, homeland security, data security, medicine, space exploration, safety, communication, biology and extending to all types of industrial and manufacturing issues. For example, electrical engineers have been responsible for the creation of electric power and signals at all frequencies and pulse repetition rates, modern electronics, computers, electronic communication systems, modern flight controllers, automated manufacturing, and medical diagnostic tools. An electrical engineering education continues to provide opportunities for solving problems of great social significance and for augmenting the quality of life. The Department of Electrical and Computer Engineering at UNLV has excellent facilities for graduate education and research in electrical engineering. In addition, the Electrical and Computer Engineering faculty is experienced and knowledgeable in many of the electrical engineering disciplines, including communications, computer engineering, control system theory, electromagnetics and optics, electronics, power systems, signal processing, and solid state devices. At UNLV, students have the opportunity to interact effectively with faculty and personnel so that programs and research theses and dissertations can be tailored to their interests.

Biswajit Das, Ph.D., Chair

Henry Selvaraj, Ph.D., Graduate Coordinator

Plans

Master of Science in Engineering - Electrical Engineering

Doctor of Philosophy - Electrical Engineering

Dual Degree: Master of Science in Engineering - Electrical Engineering & Master of Science - Mathematical Sciences

Dual Degree: Doctor of Philosophy - Electrical Engineering & Master of Science - Mathematical Sciences

Master of Science in Engineering - Electrical Engineering

Plan Description

The Department of Electrical and Computer Engineering

288 Graduate Catalog • College of Engineering

at UNLV offers a number of program degree options leading to the Master of Science in Engineering (M.S.E.) - Electrical Engineering. Specific areas of study that are currently available include Communications, Computer Engineering, Control System Theory, Electromagnetics and Optics, Electronics, Power Systems, Signal Processing, and Solid State Materials and Devices. The following degree options are available: M.S.E. - Electrical Engineering with thesis option, M.S.E. - Electrical Engineering with course only option, M.S.E. - Electrical Engineering Integrated BS-MS track option, and M.S.E. - Electrical Engineering dual degree option. The M.S.E. - Electrical Engineering thesis option culminates with a thesis which prepares the student for a Ph.D. experience if higher education is desired. The course only option is a final advanced professional degree option culminating with a comprehensive exam that must be passed in the student's specialty area. The Integrated BS-MS track option is for UNLV graduates who excel in their ECE UNLV undergraduate programs wanting to attain a M.S.E. or Ph.D. degree at UNLV in ECE with the thesis option. The dual degree program allows the student to complete a M.S.E. - Electrical Engineering degree and a Masters of Science in Mathematics degree jointly [Refer to Dual Degree: Master of Science in Engineering - Electrical Engineering and Master of Science - Mathematical Sciences].

For more information about your program including your graduate program handbook and learning outcomes please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

Applications are considered on an individual basis. Candidates can be admitted on a regular (full graduate standing) or provisional status. Qualified applicants who are not admitted on either status can take graduate courses as a non-degree seeking graduate student. Up to 15 UNLV credits taken as a non-degree seeking graduate student at UNLV can be applied towards an M.S.E. degree. Potentially, six graduate credits taken at another regionally accredited university [Graduate College Policy] may be transferred into the M.S.E. degree program at UNLV. At most, only 15 credits of a combination of non-UNLV course credits and ECE UNLV course credits taken as a non-seeking graduate student may be applied to the M.S.E. program. Courses with a grade less than B (3.0) cannot be applied to the M.S.E. program. Further, the courses must not have been or will be applied to different degree program. Note that informal course credits will not be transferred into a M.S.E. degree program. Informal courses such as Graduate Independent Study and seminar taken as a non-degree seeking student cannot be applied towards an M.S.E. degree. Non-degree seeking students can count Electrical & Computer Engineering Graduate Special Topics towards the program degree as long as

they adhere to the conditions of the particular program option regarding informal course credits.

To be considered for admission to the M.S.E. program, an applicant must:

1. Have a Bachelor of Science (B.S.) degree in electrical engineering, computer engineering or a closely related discipline.
 - a. Applicants who possess a bachelor's degree in a closely related discipline, such as physics or mathematics, may be admitted on conditional and/or provisional status. These students will be required to complete certain undergraduate and/or graduate courses before they can attain regular status. The graduate committee determines these courses on an individual basis.
 - b. Graduates with degrees in engineering technology ordinarily have an inadequate background to be admitted to the graduate program.
2. Have a minimum grade point average (GPA) of 3.00 (A=4.00) for their bachelor's degree. Applicants who have an overall GPA below 3.00 must submit Graduate Record Examination (GRE) scores {scaled score and percentile score in quantitative, verbal reasoning, and analytical writing} to the Electrical and Computer Engineering Department. These applicants may be admitted subject to the discretion and possible further requirements of the Electrical and Computer Engineering Graduate Committee. Applicants who want to be considered for an assistantship, or who feel that their GRE scores will enhance their chances for admission, are strongly encouraged to submit GRE scores.
3. Submit GRE scaled and percentile scores in quantitative, verbal reasoning, and analytical writing to the Department of Electrical and Computer Engineering if the applicant did not obtain his bachelor's degree from an ABET accredited institution, if the applicant is interested in a teaching assistantship, or if the applicant received a Bachelor's Degree in Electrical and Computer Engineering more than five years prior to the first day of the first semester of the degree program applied for. Interpretation of the scores is at the discretion of the Electrical and Computer Engineering Graduate Committee. (An applicant possessing a bachelor's degree from an ABET accredited institution within the past five years is not required to submit GRE scores.)
4. Submit a completed application prior to the department's admission deadline.
 - a. Completed online application.
 - b. Submit official transcripts of all college-level work to the Graduate College.
 - c. Submit an additional set of transcripts of all college-level work directly to the Department of Electrical and Computer Engineering.

d. Submit a one page written statement of purpose indicating the applicant's research interests, motivations, and objectives.

- i. In the statement of purpose, the applicant must explicitly identify his/her areas of interest from the following list of areas offered at UNLV in the ECE Department: Communications, Computer Engineering, Control Systems, Electromagnetics and Optics, Electronics, Power Systems, Signal Processing, and Solid State Materials and Devices (which includes Nanotechnology).
 - ii. Applicants are required to account for all time beyond the Bachelor degree indicating how they have developed professionally.
 - iii. Applicants transferring from other graduate programs must justify why they are leaving that program to join our program.
 - iv. Applicants receiving grades less than B in a graduate course elsewhere may not be admitted to the graduate program without a work in the program that the student is transferring from may be a cause for denial of admission. It will be the graduate committee's discretion whether to allow or deny admission.
- e. Submit three dated letters of recommendation concerning the applicant's potential for succeeding in the graduate program. If the applicant has attended a university or is currently enrolled in a program beyond the bachelor degree, then the letters of recommendation should be solicited from that university or program. If the applicant has been out of school for an extended period of time, then letters should be solicited from the professional community that can comment on the applicant's technical background and/or from the applicant's most recent academic institution. Letters of recommendation written beyond a six-month period prior to applying for admission to our graduate program will not be accepted. Strong letters of recommendation illustrate technical talent and professional accomplishments beyond the grade point average or course grade. The graduate committee is interested in the applicant's technical, conceptual, verbal, ethical, and social skills. The graduate committee is interested in the applicant's ability to perform research with evidence to substantiate claims made. Note that letters from professors that casually know the applicant will not help in the admission process.
- f. Application deadlines are February 1st for admission in the fall of the same year and October 1st for admission in the spring of the subsequent year.
5. Before international applicants can be considered for admission, the Graduate College requires that all international applicants take the Test of English as a

Foreign Language (TOEFL) and obtain a minimum score of 550 or 85 on the Michigan Test. Students whose first language is not English may be required to take and pass the English as a Second Language Placement Test upon arrival at UNLV. If necessary, they will be required to take English as a Second Language (ESL) courses at UNLV.

6. All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.

The Integrated BS-MS Track program allows select UNLV undergraduates to pursue the Electrical Engineering M.S.E. degree at UNLV. The program provides an opportunity for those undergraduates who have taken either 9, 6, or 3 graduate-level electrical and computer engineering course credits applied toward their undergraduate electrical/computer engineering degrees, to complete the respectively corresponding M.S. in Engineering with a total of either 21, 24, or 27 as opposed to the 30 credits required for Thesis Track. Students admitted to the Integrated BS-MS Track program are required to write a thesis.

To be considered for admission to the Integrated BS-MS Track, an applicant must:

1. Have a minimum overall grade point average (GPA) of 3.5 (A = 4.00) for their B.S. degree in electrical engineering or computer engineering at UNLV.
2. Have completed up to a maximum of 9 credits of formal Graduate College curriculum approved 600/700 level courses (which excludes informal courses such as Graduate Independent Study, Graduate Seminar, and Special Topics) which were applied towards the student's B.S. degree. Each graduate level course must have been completed with a minimum grade of B (3.0).

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

See Subplan Requirements below.

Subplan 1 Requirements: Comprehensive Exam Track

Total Credits Required: 30

Course Requirements

Core Courses – Credits: 9

Complete a minimum of 3 credits in at least three of the following areas:

Communications

- ECG 704 - Coding with Applications in Computers and Communication Media

- ECG 706 - Analysis of Telecommunication and Data Networks
- ECG 760 - Random Processes in Engineering Problems
- ECG 762 - Detection and Estimation of Signals in Noise

Computer Engineering

- ECG 700 - Advanced Computer System Architecture
- ECG 701 - Reliable Design of Digital Systems
- ECG 702 - Interconnection Networks for Parallel Processing Applications
- ECG 704 - Coding with Applications in Computers and Communication Media
- ECG 706 - Analysis of Telecommunication and Data Networks
- ECG 707 - Logic Synthesis Engineering
- ECG 709 - Synthesis and Optimization of Digital Systems
- Control Systems Theory
- ECG 770 - Linear Systems
- ECG 771 - Optimal and Modern Control
- ECG 772 - Nonlinear Systems
- ECG 774 - Stochastic Control
- ECG 776 - Adaptive Control

Electromagnetics and Optics

- ECG 730 - Advanced Engineering Electromagnetics I
- ECG 731 - Theoretical Techniques in Electromagnetics
- ECG 732 - Advanced Engineering Electromagnetics II
- ECG 733 - Plasma I

Electronics

- ECG 720 - Advanced Analog IC Design
- ECG 721 - Memory Circuit Design
- ECG 722 - Mixed-Signal Circuit Design

Power Engineering

- ECG 740 - Computer Analysis Methods for Power Systems
- ECG 741 - Electric Power Distribution System Engineering
- ECG 742 - Power System Stability and Control
- ECG 743 - Smart Electrical Power Grid

Signal Processing

- ECG 760 - Random Processes in Engineering Problems
- ECG 762 - Detection and Estimation of Signals in Noise
- ECG 781 - Digital Filters
- ECG 782 - Multidimensional Digital Signal Processing
- ECG 783 - Adaptive Signal Processing with Neural Networks

Solid State Electronics

- ECG 750 - Photonics
- ECG 752 - Physical Electronics
- ECG 753 - Advanced Topics in Semiconductor Devices I
- ECG 755 - Monolithic Integrated Circuit Fabrication
- ECG 756 - Advanced Topics in Semiconductor Devices II
- ECG 757 - Electron Transport Phenomena in Solid State Devices
- ECG 758 - Numerical Methods in Engineering

Additional Core Courses – Credits: 12

Complete 12 credits of 700-level additional core courses from the core courses in any of the areas listed above.

Elective Courses – Credits 9

Complete a minimum of 9 credits of 600- or 700-level MAT, PHY, AST, CEE, CEM, ECG, EGG, CS, ME, or other advisor-approved courses.

Degree Requirements

1. Students must satisfy the M.S.E. - Electrical Engineering degree program admission requirements and be admitted to the M.S.E. - Electrical Engineering program with regular full graduate standing status, having met all conditions and provisions.
2. Students must complete a minimum of 30 credits of graduate level courses with an overall minimum GPA of 3.00 (B), a minimum GPA of 3.00 (B) each semester, and a minimum GPA of 2.70 (B-) in each class applied towards the 30 credits. Grades below B- are not counted towards the M.S.E. degree and must be repeated or replaced.
3. Students who do not maintain an overall GPA of 3.00 (B), a GPA of 3.00 (B) each semester, or who earn more than one grade below B- will either be placed on probation or expelled from the program. The Electrical and Computer Engineering Graduate Committee and/ or the Graduate College will determine the terms of the student's probation in accordance with the rules of the Graduate College.
4. At the time of admission or no later than the first semester, the candidate must formally petition BOTH

the graduate college and the ECE graduate committee to accept transfer credits and credits taken as a non-degree seeking graduate student to be applied to the M.S.E. program.

5. Students must select a faculty advisor in their first semester.
6. A minimum of 21 credits must be in core electrical engineering 700-level courses excluding informal courses (such as Independent Study, Graduate Seminar, and Special Topics).
7. No more than 3 credits may be from Independent Study (which cumulatively includes Graduate Seminar) and no more than a total of 6 credits of the combination of Independent Study, Graduate Seminar, and Graduate Special Topics may be applied towards the M.S.E. degree program.
8. Pass a comprehensive exam on graduate level coursework in the student's specialty area.

1. The exam may be taken in the last two semesters of the student's M.S.E. program.

2. The student may not take the exam until all course work pertaining to the exam is completed. For clarity, students enrolled in courses pertaining to the comprehensive exam cannot take the comprehensive exam. Within the six year limit, the exam may be repeated until passed but cannot be taken more than once per semester. Prior to the end of the first week of classes in the student's last two semesters, the student must announce to the ECE Graduate Coordinator his/her intention of taking the exam, the major field to be examined, and at least two courses taken in that field.

9. The Comprehensive Exam Track is a final advanced professional degree option in that students who complete this track will not be considered for admission into any of the department's Ph.D. program options.

Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
2. The student must pass a final comprehensive exam.

Subplan 2 Requirements: Thesis Track

Total Credits Required: 30

Course Requirements

Core Courses – Credits: 9

Complete a minimum of 3 credits in at least three of the following areas:

Communications

- ECG 662 - Digital Communication Systems

- ECG 666 - Wireless and Mobile Communication Systems
- ECG 704 - Coding with Applications in Computers and Communication Media
- ECG 706 - Analysis of Telecommunication and Data Networks
- ECG 760 - Random Processes in Engineering Problems
- ECG 762 - Detection and Estimation of Signals in Noise
- ECG 763 - Advanced Digital Communication Systems

Computer Engineering

- ECG 600 - Computer Communication Networks
- ECG 604 - Modern Processor Architecture
- ECG 605 - Data Compression Systems
- ECG 607 - Biometrics
- ECG 608 - Digital Design Verification and Testing
- ECG 609 - Embedded Digital Signal Processing
- ECG 617 - Internet of Things Systems
- ECG 700 - Advanced Computer System Architecture
- ECG 701 - Reliable Design of Digital Systems
- ECG 702 - Interconnection Networks for Parallel Processing Applications
- ECG 704 - Coding with Applications in Computers and Communication Media
- ECG 706 - Analysis of Telecommunication and Data Networks
- ECG 707 - Logic Synthesis Engineering
- ECG 709 - Synthesis and Optimization of Digital Systems

Control Systems Theory

- ECG 672 - Digital Control Systems
- ECG 770 - Linear Systems
- ECG 771 - Optimal and Modern Control
- ECG 772 - Nonlinear Systems
- ECG 774 - Stochastic Control
- ECG 776 - Adaptive Control

Electromagnetics and Optics

- ECG 630 - Transmission Lines
- ECG 631 - Engineering Optics
- ECG 632 - Antenna Engineering
- ECG 633 - Active and Passive Microwave Engineering
- ECG 730 - Advanced Engineering Electromagnetics I

- ECG 731 - Theoretical Techniques in Electromagnetics
- ECG 732 - Advanced Engineering Electromagnetics II
- ECG 733 - Plasma I

Electronics

- ECG 620 - Analog Integrated Circuit Design
- ECG 621 - Digital Integrated Circuit Design
- ECG 720 - Advanced Analog IC Design
- ECG 721 - Memory Circuit Design
- ECG 722 - Mixed-Signal Circuit Design

Power Engineering

- ECG 642 - Power Electronics
- ECG 646 - Photovoltaic Devices and Systems
- ECG 740 - Computer Analysis Methods for Power Systems
- ECG 741 - Electric Power Distribution System Engineering
- ECG 742 - Power System Stability and Control
- ECG 743 - Smart Electrical Power Grid

Signal Processing

- ECG 680 - Discrete-Time Signal Processing
- ECG 760 - Random Processes in Engineering Problems
- ECG 762 - Detection and Estimation of Signals in Noise
- ECG 781 - Digital Filters
- ECG 782 - Multidimensional Digital Signal Processing
- ECG 783 - Adaptive Signal Processing with Neural Networks

Solid State Electronics

- ECG 651 - Electronic and Magnetic Materials and Devices
- ECG 652 - Optoelectronics
- ECG 653 - Introduction to Nanotechnology
- ECG 750 - Photonics
- ECG 752 - Physical Electronics
- ECG 753 - Advanced Topics in Semiconductor Devices I
- ECG 755 - Monolithic Integrated Circuit Fabrication
- ECG 756 - Advanced Topics in Semiconductor Devices II
- ECG 757 - Electron Transport Phenomena in Solid

State Devices

- ECG 758 - Numerical Methods in Engineering

Additional Core Courses – Credits: 9

Complete 9 credits of additional core courses from the core courses in any of the areas listed above.

Elective Courses – Credits: 6

Complete a minimum of 6 credits of 600- or 700-level MAT, PHY, AST, CEE, CEM, ECG, EGG, CS, ME, or other advisor-approved courses.

Thesis – Credits: 6

- ECG 797 - Electrical Engineering Thesis

Degree Requirements

1. Students must satisfy the M.S.E. - Electrical Engineering degree program admission requirements and be admitted to the M.S.E. - Electrical Engineering program with regular full graduate standing status, having met all conditions and provisions.
2. Students must complete a minimum of 30 credits of graduate level courses with an overall minimum GPA of 3.00 (B), a minimum GPA of 3.00 (B) each semester, and a minimum GPA of 2.70 (B-) in each class applied towards the 30 credits. Grades below B- are not counted towards the M.S.E. degree and must be repeated or replaced.
3. Students who do not maintain an overall GPA of 3.00 (B), a GPA of 3.00 (B) each semester, or who earn more than one grade below B- will either be placed on probation or expelled from the program. The Electrical and Computer Engineering Graduate Committee and/or the Graduate College will determine the terms of the student's probation in accordance with the rules of the Graduate College.
4. At the time of admission or no later than the first semester, the MS candidate must formally petition BOTH the graduate college and the ECE graduate committee to accept transfer credits and credits taken as a non-degree seeking graduate student to be applied to the M.S.E. program.
5. Students must select a faculty advisor in their first semester.
6. A minimum of 18 credits must be in core (formal) electrical engineering courses, of which 15 credits must be 700-level. This excludes Thesis credits, and informal courses (such as Special Topics, Graduate Seminar, and Independent Study).
7. No more than 3 credits may be from Independent Study (which cumulatively includes Graduate Seminar) and no more than a total of 6 credits of the combination of Independent Study, Graduate Seminar, and Graduate Special Topics may be applied towards the M.S.E. degree program.

8. In consultation with his/her advisor, a student will organize a thesis committee of at least three departmental members. In addition, a fourth member from outside the department, known as the Graduate College Representative, must be appointed. An additional committee member may be added at the student and department's discretion. Please see Graduate College policy for committee appointment guidelines.

9. Students must complete a thesis.

1. Students must complete at least 6 credits of Thesis which culminates in the successful completion of a thesis oral exam and the submission of an approved thesis. Although Electrical Engineering Thesis can be taken repeatedly, no more than 6 credits can be applied towards the 30 credits required for the M.S.E. degree.

2. Before beginning a thesis, students must have their thesis topic approved by their advisor, and the necessary paper work must be filed with the Graduate College. The thesis prospectus describes the thesis topic and must include an introductory set of sentences, a well formed hypothesis or hypotheses (specifically italicized in the prospectus) accompanied by a motivation, objectives with major and alternative approaches to the studies, and conjectures of possible outcomes. Students are NOT allowed to take thesis credits until their thesis prospectus is approved. Credits taken before the approval date will NOT count towards the degree program.

3. The student must complete a thesis containing original research and publically defend it before his/her advisory committee at the Thesis Exam.

4. Prior to the student's defense of the thesis before his/her advisory committee, the student must submit a complete copy of the thesis to each member of his/her advisory committee. This submission must occur at least two weeks prior to the date of the oral defense. The student must also notify each member of his/her advisory committee of the date, time and location of the oral defense of the thesis or project at least two weeks in advance.

5. Students who plan to continue their studies beyond the M.S.E. degree program are strongly encouraged to select this option.

10. A full graduate standing master's degree candidate who is interested in pursuing a doctoral degree may be allowed to take the Ph.D. qualifying exam without penalty during his/her period as an M.S.E. student. The exam may be taken as many times as desired but no more than once a semester at the time the exam is typically offered. The M.S.E. candidate must pass four areas of choice in a single sitting to satisfy the Qualifying Exam requirement. If the student successfully completes the Qualifying Exam

requirement while pursuing the M.S.E. degree in Electrical Engineering with a thesis option in the Electrical and Computer Engineering department at UNLV, the student will have automatically fulfilled the Qualifying Exam requirement upon admission to the Ph.D. program in the Electrical and Computer Engineering program at UNLV. Once the student receives an M.S. degree in the field of Electrical Engineering, the student must abide by the requirements outlined in the Ph.D. program. This option is not available to non-degree students.

Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
2. The student must submit and successfully defend his/her thesis by the posted deadline. The defense must be advertised and is open to the public.
3. After the thesis defense, the student must electronically submit a properly formatted pdf copy of their thesis to the Graduate College for format check. Once the thesis format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for thesis defenses, format check submissions, and the final ProQuest submission can be found here.

Subplan 3 Requirements: Integrated BS-MS Track

Total Credits Required: 21-27

Course Requirements

Core Courses – Credits: 0-9

Complete a minimum of 0-3 credits in at least three of the following areas:

Communications

- ECG 662 - Digital Communication Systems
- ECG 666 - Wireless and Mobile Communication Systems
- ECG 704 - Coding with Applications in Computers and Communication Media
- ECG 706 - Analysis of Telecommunication and Data Networks
- ECG 760 - Random Processes in Engineering Problems
- ECG 762 - Detection and Estimation of Signals in Noise
- ECG 763 - Advanced Digital Communication Systems

Computer Engineering

- ECG 600 - Computer Communication Networks
- ECG 604 - Modern Processor Architecture

- ECG 605 - Data Compression Systems
- ECG 607 - Biometrics
- ECG 608 - Digital Design Verification and Testing
- ECG 609 - Embedded Digital Signal Processing
- ECG 617 - Internet of Things Systems
- ECG 700 - Advanced Computer System Architecture
- ECG 701 - Reliable Design of Digital Systems
- ECG 702 - Interconnection Networks for Parallel Processing Applications
- ECG 704 - Coding with Applications in Computers and Communication Media
- ECG 706 - Analysis of Telecommunication and Data Networks
- ECG 707 - Logic Synthesis Engineering
- ECG 709 - Synthesis and Optimization of Digital Systems

Control Systems Theory

- ECG 672 - Digital Control Systems
- ECG 770 - Linear Systems
- ECG 771 - Optimal and Modern Control
- ECG 772 - Nonlinear Systems
- ECG 774 - Stochastic Control
- ECG 776 - Adaptive Control

Electromagnetics and Optics

- ECG 630 - Transmission Lines
- ECG 631 - Engineering Optics
- ECG 632 - Antenna Engineering
- ECG 633 - Active and Passive Microwave Engineering
- ECG 730 - Advanced Engineering Electromagnetics I
- ECG 731 - Theoretical Techniques in Electromagnetics
- ECG 732 - Advanced Engineering Electromagnetics II
- ECG 733 - Plasma I

Electronics

- ECG 620 - Analog Integrated Circuit Design
- ECG 621 - Digital Integrated Circuit Design
- ECG 720 - Advanced Analog IC Design
- ECG 721 - Memory Circuit Design
- ECG 722 - Mixed-Signal Circuit Design

Power Engineering

- ECG 642 - Power Electronics
- ECG 646 - Photovoltaic Devices and Systems

- ECG 740 - Computer Analysis Methods for Power Systems
- ECG 741 - Electric Power Distribution System Engineering
- ECG 742 - Power System Stability and Control
- ECG 743 - Smart Electrical Power Grid

Signal Processing

- ECG 680 - Discrete-Time Signal Processing
- ECG 760 - Random Processes in Engineering Problems
- ECG 762 - Detection and Estimation of Signals in Noise
- ECG 781 - Digital Filters
- ECG 782 - Multidimensional Digital Signal Processing
- ECG 783 - Adaptive Signal Processing with Neural Networks

Solid State Electronics

- ECG 651 - Electronic and Magnetic Materials and Devices
- ECG 652 - Optoelectronics
- ECG 653 - Introduction to Nanotechnology
- ECG 750 - Photonics
- ECG 752 - Physical Electronics
- ECG 753 - Advanced Topics in Semiconductor Devices I
- ECG 755 - Monolithic Integrated Circuit Fabrication
- ECG 756 - Advanced Topics in Semiconductor Devices II
- ECG 757 - Electron Transport Phenomena in Solid State Devices
- ECG 758 - Numerical Methods in Engineering

Additional Core Courses – Credits: 0-9

Complete 0-9 credits of additional core courses from the core courses in any of the areas listed above.

Elective Courses – Credits: 0-6

Complete 0-6 credits of 600- or 700-level MAT, PHY, AST, CEE, CEM, ECG, EGG, CS, ME, or other advisor-approved courses.

Thesis – Credits: 6

- ECG 797 - Electrical Engineering Thesis

Degree Requirements

1. Students must satisfy the M.S.E. - Electrical Engineering degree program admission requirements and be admitted to the M.S.E. - Electrical Engineering program with regular full graduate standing status,

having met all conditions and provisions.

2. Total credits required depends on the total number of approved graduate-level course work taken as technical electives (with a grade of B or better) during the senior year.
3. Complete a minimum of 21, 24, or 27 credits (including thesis credits) in the Integrated BS-MS track program respectively corresponding to 9, 6, or 3 credits of formally approved graduate level courses applied toward the B.S. degree yielding a total of 30 course credits. The final division of major, minor, and elective credits will be determined in consultation with the student's advisor.
4. Students must complete all courses with an overall minimum GPA of 3.00 (B), a minimum GPA of 3.00 (B) each semester, and a minimum GPA of 2.70 (B-) in each class applied towards the 30 credits. Grades below B- are not counted towards the M.S.E. degree and must be repeated or replaced.
5. Students who do not maintain an overall GPA of 3.00 (B), a GPA of 3.00 (B) each semester, or who earn more than one grade below B- will either be placed on probation or expelled from the program. The Electrical and Computer Engineering Graduate Committee and/or the Graduate College will determine the terms of the student's probation in accordance with the rules of the Graduate College.
6. At the time of admission or no later than the first semester, the MS candidate must formally petition BOTH the graduate college and the ECE graduate committee to accept transfer credits and credits taken as a non-degree seeking graduate student to be applied to the M.S.E. program.
7. Students must select a faculty advisor in their first semester.
8. A minimum of 18 credits must be in core (formal) electrical engineering courses, of which 15 credits must be 700-level. This excludes Thesis credits, and informal courses (such as Special Topics, Graduate Seminar, and Independent Study).
9. No more than 3 credits may be from Independent Study (which cumulatively includes Graduate Seminar) and no more than a total of 6 credits of the combination of Independent Study, Graduate Seminar, and Graduate Special Topics may be applied towards the M.S.E. degree program.
10. In consultation with his/her advisor, a student will organize a thesis committee of at least three departmental members. In addition, a fourth member from outside the department, known as the Graduate College Representative, must be appointed. An additional committee member may be added at the student and department's discretion. Please see Graduate College policy for committee appointment guidelines.

11. Students must complete a thesis.

1. Students must complete at least 6 credits of Thesis which culminates in the successful completion of a thesis oral exam and the submission of an approved thesis. Although Electrical Engineering Thesis can be taken repeatedly, no more than 6 credits can be applied towards the 30 credits required for the M.S.E. degree.

2. Before beginning a thesis, students must have their thesis topic approved by their advisor, and the necessary paper work must be filed with the Graduate College. The thesis prospectus describes the thesis topic and must include an introductory set of sentences, a well formed hypothesis or hypotheses (specifically italicized in the prospectus) accompanied by a motivation, objectives with major and alternative approaches to the studies, and conjectures of possible outcomes. Students are NOT allowed to take thesis credits until their thesis prospectus is approved. Credits taken before the approval date will NOT count towards the degree program.

3. The student must complete a thesis containing original research and publically defend it before his/her advisory committee at the Thesis Exam.

4. Prior to the student's defense of the thesis before his/her advisory committee, the student must submit a complete copy of the thesis to each member of his/her advisory committee. This submission must occur at least two weeks prior to the date of the oral defense. The student must also notify each member of his/her advisory committee of the date, time and location of the oral defense of the thesis or project at least two weeks in advance.

5. Students who plan to continue their studies beyond the M.S.E. degree program are strongly encouraged to select this option.

12. A full graduate standing master's degree candidate who is interested in pursuing a doctoral degree may be allowed to take the Ph.D. qualifying exam without penalty during his/her period as an M.S.E. student. The exam may be taken as many times as desired but no more than once a semester at the time the exam is typically offered. The M.S.E. candidate must pass four areas of choice in a single sitting to satisfy the Qualifying Exam requirement. If the student successfully completes the Qualifying Exam requirement while pursuing the M.S.E. degree in Electrical Engineering with a thesis option in the Electrical and Computer Engineering department at UNLV, the student will have automatically fulfilled the Qualifying Exam requirement upon admission to the Ph.D. program in the Electrical and Computer Engineering program at UNLV. Once the student receives an M.S. degree in the field of

Electrical Engineering, the student must abide by the requirements outlined in the Ph.D. program. This option is not available to non-degree students.

Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
2. The student must submit and successfully defend his/her thesis by the posted deadline. The defense must be advertised and is open to the public.
3. After the thesis defense, the student must electronically submit a properly formatted pdf copy of their thesis to the Graduate College for format check. Once the thesis format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for thesis defenses, format check submissions, and the final ProQuest submission can be found here.

Plan Graduation Requirements

Refer to your subplan for Graduation Requirements.

Doctor of Philosophy - Electrical Engineering

Plan Description

The culminating experience in the Ph.D. program in the Department of Electrical and Computer Engineering is centered about developing new knowledge focused around a specific theme embodied in the form a well-written and orally defended dissertation. The Department of Electrical and Computer Engineering at UNLV offers a number of program options leading to the Ph.D. degree in the Field of Electrical Engineering. Specific major areas of study currently available include: Communications, Computer Engineering, Control System Theory, Electromagnetics and Optics, Electronics, Power Systems, Signal Processing, and Solid State Materials and Devices

Applicants may be admitted to the Electrical Engineering Ph.D Program through one of the following three options: the Post-Master's Track, the Post-Bachelor's Track, or the Post-Bachelor's Integrated BS-PHD Track. The Post-Master's Track requires the student to have completed a M.S. Degree in Electrical Engineering, Computer Engineering, or a closely related field with thesis before entering the program. The Post-Bachelor's Track allows undergraduates with outstanding undergraduate backgrounds to enter the Ph.D. program without having to complete a M.S. Degree in Electrical or Computer Engineering. The Post-Bachelor's Integrated BS-PHD Track allows students who applied up to 9 credits of graduate courses towards

their B.S. degrees to complete their Ph.D. in engineering with up to 9 fewer credits than students in the Post-Bachelor's Track. All requirements leading to a Ph.D. are still required beyond the B.S. Degree in Electrical and Computer Engineering excluding the completion of a Master's thesis. In conjunction with these options, a dual degree option does exist for candidates simultaneously working towards a Ph.D. degree in Electrical Engineering and a Master of Science degree in Mathematics. This program prepares graduate students with complementing educational components covering electrical engineering and mathematics, which is the basis of all engineering. [Refer to the Dual Degree Doctor of Philosophy – Electrical Engineering and Master of Science – Mathematical Sciences program description.

For more information about your program, including your graduate program handbook and learning outcomes, please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

Applicants are considered on an individual basis. Applicants may be admitted as a regular or provisional status student. Qualified applicants who are not admitted can take graduate courses as a non-degree seeking graduate student. Up to 15 UNLV credits taken as a non-degree seeking graduate student at UNLV can be applied towards a PhD degree program in electrical and computer engineering. Potentially, nine graduate credits taken at another regionally accredited university may be transferred in the PhD degree program at UNLV. At most, only 15 credits of a combination of UNLV and non-UNLV course credits, within the constraints above, may be applied to the PhD program. Courses with a grade less than B (3.0) will not be applied to the PhD program. Further, the courses must not have been or will be applied to different degree program. Note that informal course credits will not be transferred into a PhD degree program. Informal courses such as Graduate Independent Study and Seminar taken as a non-degree seeking student cannot be applied towards a program degree in ECE. Non-degree seeking students can count Electrical & Computer Engineering Graduate Special Topics towards the program degree as long as they adhere to the conditions of the particular program option regarding informal course credits.

To be considered for admission an applicant must:

1. Submit GRE scaled and percentile scores in quantitative, verbal reasoning, and analytical writing to the Department of Electrical and Computer Engineering and have obtained the following minimum relative percentile comparison rank of 75 in the Quantitative section, 20 in the Verbal Reasoning section, and 20 in Analytical Writing. Please note that GRE scores will only be considered valid if taken

within five years prior to the time of admission and are recognized by the GRE examination board. Official scores must be obtained from an official GRE provider. The GRE requirement can be waived under the circumstances listed in the GRE Waiver section.

2. Submit a completed application form and official transcripts of all college level work to the Graduate College. Submit an additional set of transcripts of all college-level work directly to the Department of Electrical and Computer Engineering.
3. Submit a one page written statement of purpose indicating the applicant's interests, motivations, and objectives. In the statement of purpose, the applicant must explicitly identify his/her areas of interest from the following list of areas offered at UNLV in the ECE Department: Communications, Computer Engineering, Control Systems, Electromagnetics and Optics, Electronics, Power Systems, Signal Processing, and Solid State Materials and Devices (which includes Nanotechnology). Applicants are required to account for all time beyond the B.S. degree indicating how they have developed professionally. Applicants transferring from other graduate programs without obtaining an M.S. degree must justify why they are leaving that program to join our graduate program. Applicants receiving grades less than B in a graduate course elsewhere may not be admitted to the graduate program without a well justified explanation. Poor performance in course work in the program that the student is transferring from can be a cause for denial of admission. It will be the graduate committee's discretion whether to allow or deny admission.
4. Submit three letters of recommendation (signed and dated) concerning the applicant's potential for succeeding in the graduate program directly to the Department of Electrical and Computer Engineering. Letters of reference may be electronically uploaded in the online admissions application process. If the student received a M.S. degree in electrical or computer engineering at UNLV, then only one letter of recommendation is required, and it must come from the candidate's faculty advisor who should be the student's thesis committee chair. If the applicant has attended a university or is currently enrolled in a program beyond the M.S. degree, then at least one letter of recommendation should be solicited from that university or program and two from the university in which the M.S. degree was received. One of the three letters should be written by your thesis advisor commenting on your background and your thesis research. If the applicant has been out of school for an extended period of time, then letters should be solicited from the professional community who can comment on the applicant's technical background and/or from the applicant's most recent academic institution. Letters of recommendation written beyond a six-month period prior to applying

for admission to our graduate program will not be accepted. Strong letters of recommendation illustrate technical talent and professional accomplishments beyond the grade point average or course grade. The graduate committee is interested in the applicant's technical, conceptual, verbal, ethical and social skills. The graduate committee is interested in the applicant's ability to perform research with evidence to substantiate claims made. Note that letters from professors that casually know you will not help you in the admission process.

5. Before international applicants can be considered for admission, the Graduate College requires that all international applicants take the Test of English as a Foreign Language (TOEFL) and obtain a minimum score of 550 or 85 on the Michigan Test. Students whose first language is not English may be required to take and pass the English as a Second Language Placement Test upon arrival at UNLV. If necessary, they will be required to take English as a Second Language (ESL) courses at UNLV.
6. All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.
7. Application deadlines are February 1st for admission in the fall of the same year and October 1st for admission in the spring of the subsequent year.

Post-Master's Track

1. Have a Master of Science (M.S.) degree in electrical engineering or computer engineering or a closely related field with an M.S. thesis component. The M.S. thesis must be completed prior to admission. Potential candidates applying to the program based on a course only option or a project option will not be admitted. (Applicants who possess a bachelor's degree in a closely related discipline, such as physics or mathematics, may be admitted on conditional and/or provisional status. These students will be required to complete certain undergraduate and/or graduate courses before they can attain regular full graduate standing status. The graduate committee determines these courses on an individual basis.)
2. Have a minimum overall grade point average (GPA) of 3.20 (A = 4.00) for their M.S. degree and a 3.00 for their B.S. degree.

Post-Bachelor's Track:

1. Have a Bachelor of Science (B.S.) degree in electrical engineering or computer engineering or a closely related field. (Applicants who possess a bachelor degree in a closely related discipline, such as physics or mathematics, may be admitted on conditional and/or provisional status. These students will be required to complete certain undergraduate and/or graduate courses before they can attain regular full graduate standing status. The graduate committee determines

these courses on an individual basis.)

2. Have a minimum overall grade point average (GPA) of 3.50 (A = 4.00) for their B.S. degree in Electrical or Computer Engineering a closely related field.

Post-Bachelor's Integrated BS-PHD Track

The Integrated BS-PHD Track program allows UNLV undergraduate students who applied up to 9 credits of UNLV electrical engineering or computer engineering graduate courses towards their UNLV B.S. in Electrical Engineering or Computer Engineering degree to complete their Ph.D. in engineering with up to 9 fewer credits than students in the Post-Bachelor's Track. All requirements leading to a Ph.D. are still required beyond the B.S. Degree in Electrical and Computer Engineering excluding the completion of a Master's thesis.

1. Have a minimum overall grade point average (GPA) of 3.5 (A = 4.00) for their B.S. degree in electrical engineering or computer engineering at UNLV.
2. Have completed up to a maximum of 9 credits of formal Graduate College curriculum approved 600/700 level courses (which excludes informal courses such as Graduate Independent Study, Graduate Seminar, and Special Topics) which were applied towards the student's B.S. degree. Each graduate level course must have been completed with a minimum grade of B (GPA) of 3.2 (A = 4.00).

The GRE entrance requirement will be waived for students entering the Ph.D. program if ALL of the following are satisfied:

1. The candidate receives a MS degree in Electrical and Computer Engineering (ECE) at UNLV.
2. The candidate's BS GPA equals or exceeds 3.0.
3. The candidate's MS GPA equals or exceeds 3.6.
4. The candidate shows evidence that a paper pertaining to his/her research has been published in a refereed conference (minimum requirement). A published article in a refereed journal exceeds this minimum requirement. In all cases, the candidate must be the first author of the publication. Galley proofs along with a letter of acceptance may be used as minimum evidence that a paper will be published.
5. The candidate is not seeking a teaching assistantship.
6. One strong letter of recommendation from the major professor indicating the student's ability for higher education.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

See Subplan Requirements below.

Subplan 1 Requirements: Post-Master's Track

Total Credits Required: 45

Course Requirements

Major Field Courses – Credits: 6-15

Complete 6-15 credits of coursework in an approved major in a single area in Electrical and Computer Engineering with a minimum overall average GPA of 3.33.

Communications

- ECG 662 - Digital Communication Systems
- ECG 666 - Wireless and Mobile Communication Systems
- ECG 704 - Coding with Applications in Computers and Communication Media
- ECG 706 - Analysis of Telecommunication and Data Networks
- ECG 760 - Random Processes in Engineering Problems
- ECG 762 - Detection and Estimation of Signals in Noise
- ECG 763 - Advanced Digital Communication Systems

Computer Engineering

- ECG 600 - Computer Communication Networks
- ECG 604 - Modern Processor Architecture
- ECG 605 - Data Compression Systems
- ECG 607 - Biometrics
- ECG 608 - Digital Design Verification and Testing
- ECG 609 - Embedded Digital Signal Processing
- ECG 617 - Internet of Things Systems
- ECG 700 - Advanced Computer System Architecture
- ECG 701 - Reliable Design of Digital Systems
- ECG 702 - Interconnection Networks for Parallel Processing Applications
- ECG 704 - Coding with Applications in Computers and Communication Media
- ECG 706 - Analysis of Telecommunication and Data Networks
- ECG 707 - Logic Synthesis Engineering
- ECG 709 - Synthesis and Optimization of Digital Systems

Control Systems Theory

- ECG 672 - Digital Control Systems
- ECG 770 - Linear Systems
- ECG 771 - Optimal and Modern Control

- ECG 772 - Nonlinear Systems
- ECG 774 - Stochastic Control
- ECG 776 - Adaptive Control

Electromagnetics and Optics

- ECG 630 - Transmission Lines
- ECG 631 - Engineering Optics
- ECG 632 - Antenna Engineering
- ECG 633 - Active and Passive Microwave Engineering
- ECG 730 - Advanced Engineering Electromagnetics I
- ECG 731 - Theoretical Techniques in Electromagnetics
- ECG 732 - Advanced Engineering Electromagnetics II
- ECG 733 - Plasma I

Electronics

- ECG 620 - Analog Integrated Circuit Design
- ECG 621 - Digital Integrated Circuit Design
- ECG 720 - Advanced Analog IC Design
- ECG 721 - Memory Circuit Design
- ECG 722 - Mixed-Signal Circuit Design

Power Engineering

- ECG 642 - Power Electronics
- ECG 646 - Photovoltaic Devices and Systems
- ECG 740 - Computer Analysis Methods for Power Systems
- ECG 741 - Electric Power Distribution System Engineering
- ECG 742 - Power System Stability and Control
- ECG 743 - Smart Electrical Power Grid

Signal Processing

- ECG 680 - Discrete-Time Signal Processing
- ECG 760 - Random Processes in Engineering Problems
- ECG 762 - Detection and Estimation of Signals in Noise
- ECG 781 - Digital Filters
- ECG 782 - Multidimensional Digital Signal Processing
- ECG 783 - Adaptive Signal Processing with Neural Networks

Solid State Electronics

- ECG 651 - Electronic and Magnetic Materials and Devices
- ECG 652 - Optoelectronics

- ECG 653 - Introduction to Nanotechnology
- ECG 750 - Photonics
- ECG 752 - Physical Electronics
- ECG 753 - Advanced Topics in Semiconductor Devices I
- ECG 755 - Monolithic Integrated Circuit Fabrication
- ECG 756 - Advanced Topics in Semiconductor Devices II
- ECG 757 - Electron Transport Phenomena in Solid State Devices
- ECG 758 - Numerical Methods in Engineering
- Minor Fields Courses – Credits: 6-18

Select two advisor-approved minor fields and complete coursework in each single area totaling 6-18 credits, with a minimum overall average GPA of 3.33. The secondary minor can be from a field outside Electrical Engineering.

Communications

- ECG 662 - Digital Communication Systems
- ECG 666 - Wireless and Mobile Communication Systems
- ECG 760 - Random Processes in Engineering Problems
- ECG 762 - Detection and Estimation of Signals in Noise

Computer Engineering

- ECG 600 - Computer Communication Networks
- ECG 604 - Modern Processor Architecture
- ECG 605 - Data Compression Systems
- ECG 607 - Biometrics
- ECG 608 - Digital Design Verification and Testing
- ECG 609 - Embedded Digital Signal Processing
- ECG 617 - Internet of Things Systems
- ECG 700 - Advanced Computer System Architecture
- ECG 701 - Reliable Design of Digital Systems
- ECG 702 - Interconnection Networks for Parallel Processing Applications
- ECG 704 - Coding with Applications in Computers and Communication Media
- ECG 706 - Analysis of Telecommunication and Data Networks
- ECG 707 - Logic Synthesis Engineering
- ECG 709 - Synthesis and Optimization of Digital Systems

Control Systems Theory

- ECG 770 - Linear Systems
- ECG 771 - Optimal and Modern Control
- ECG 772 - Nonlinear Systems
- ECG 774 - Stochastic Control
- ECG 776 - Adaptive Control

Electromagnetics and Optics

- ECG 630 - Transmission Lines
- ECG 631 - Engineering Optics
- ECG 632 - Antenna Engineering
- ECG 633 - Active and Passive Microwave Engineering
- ECG 730 - Advanced Engineering Electromagnetics I
- ECG 731 - Theoretical Techniques in Electromagnetics
- ECG 732 - Advanced Engineering Electromagnetics II
- ECG 733 - Plasma I

Electronics

- ECG 620 - Analog Integrated Circuit Design
- ECG 621 - Digital Integrated Circuit Design
- ECG 720 - Advanced Analog IC Design
- ECG 721 - Memory Circuit Design
- ECG 722 - Mixed-Signal Circuit Design

Power Engineering

- ECG 642 - Power Electronics
- ECG 646 - Photovoltaic Devices and Systems
- ECG 740 - Computer Analysis Methods for Power Systems
- ECG 741 - Electric Power Distribution System Engineering
- ECG 742 - Power System Stability and Control
- ECG 743 - Smart Electrical Power Grid

Signal Processing

- ECG 680 - Discrete-Time Signal Processing
- ECG 760 - Random Processes in Engineering Problems
- ECG 762 - Detection and Estimation of Signals in Noise
- ECG 781 - Digital Filters
- ECG 782 - Multidimensional Digital Signal Processing
- ECG 783 - Adaptive Signal Processing with Neural Networks

Solid State Electronics

- ECG 651 - Electronic and Magnetic Materials and

Devices

- ECG 652 - Optoelectronics
- ECG 653 - Introduction to Nanotechnology
- ECG 750 - Photonics
- ECG 752 - Physical Electronics
- ECG 753 - Advanced Topics in Semiconductor Devices I
- ECG 755 - Monolithic Integrated Circuit Fabrication
- ECG 756 - Advanced Topics in Semiconductor Devices II
- ECG 757 - Electron Transport Phenomena in Solid State Devices
- ECG 758 - Numerical Methods in Engineering

Elective Courses – Credits: 0-15

Complete 0-15 credits of 600- or 700-level MAT, PHY, AST, CEE, CEM, ECG, EGG, CS, ME, or other advisor-approved courses.

Dissertation – Credits: 18

- ECG 799 - Dissertation

Degree Requirements

1. All Ph.D. students must satisfy the Ph.D. degree program admission requirements and be admitted to the Ph.D. program on a regular status.
2. Complete a minimum of 27 credits of graduate level courses (excluding dissertation credits) with an overall minimum GPA of 3.20 and a minimum GPA of 2.70 (B-) in each class applied towards the 27 credits. The final division of major, minor, and elective credits will be determined in consultation with the student's advisor.
3. Of the 27 required credits, a minimum of 18 credits must be in 700-level courses. Of these 18 credits, a minimum of 15 must be from formal courses. The student's doctoral advisory committee may add more requirements in accordance with the individual's background and field of study.
4. No more than 3 credits may be from Graduate Independent Study together with Graduate Seminar. No more than 6 credits of a combination of informal courses such as Graduate Independent Study, Special Topics, and Seminar may be applied to the degree program.
5. Beyond the Bachelor degree, a Ph.D. student must complete a minimum of 15 credits in an approved ECE major field, 9 credits an approved ECE minor (primary minor) field, and 9 credits in a second approved open minor (secondary minor) field. Of the 15 credits required in the ECE major field, a minimum of 9 credits must be completed in 700-level courses. A minimum GPA of 3.33 (B+=3.30) must be obtained in

the major field. Of the 9 required credits in each minor field, a minimum of 6 credits must be in 700-level courses. A minimum GPA of 3.33 (B+=3.30) must be obtained in each of the minor fields.

6. Informal courses (Graduate Independent Study, Graduate Seminar, and Special Topics) cannot be applied to the ECE major, ECE minor (primary minor) and the open minor (secondary minor) fields.
7. At the time of admission or no later than the first semester, the Ph.D. candidate must formally petition BOTH the graduate college and the ECE graduate committee to accept transfer credits and credits taken as a non-degree seeking graduate student to be applied to the Ph.D. program.
8. All regular (full graduate standing) status graduate students must select a faculty advisor in their first semester.
9. Maintain a minimum overall grade point average (GPA) of 3.20, must maintain a minimum GPA of 3.20 each semester, and must complete all graduate level courses that apply towards their degree with a minimum GPA of 2.70 (B-) in each course. Grades below B- cannot be applied towards the Ph.D. degree and must be repeated or replaced. A class grade below C (2.0) is grounds for initiating a program separation recommendation to the Graduate College. Ph.D. candidates who do not maintain an overall minimum GPA of 3.2, who do not maintain a minimum GPA of 3.2 each semester, or who earn more than one grade below B- will be placed on academic probation or expelled from the program. The Electrical and Computer Engineering Graduate Committee in conjunction with the Graduate College will determine the terms of the student's probation based upon the student's academic record and in accordance with the rules of the Graduate College.
10. All regular (full graduate standing) status graduate students must file an approved program before the completion of their third semester. This program must be approved by the student's advisor and the graduate coordinator. All regular and provisional status graduate students must show satisfactory progress towards completion of their degree by completing at least six credits of their approved program per calendar year. If their progress towards their degree program is not satisfactory, students will either be put on probation or expelled from the program.
11. Before beginning a dissertation, students must have their dissertation topic approved by their advisor, and the necessary paper work including a dissertation prospectus must be filed with the Graduate College by the end of the third semester. The dissertation prospectus describes the dissertation topic and must include an introductory set of sentences, a well formed hypothesis or hypotheses (specifically italicized in the prospectus) accompanied by a motivation, objectives with major and alternative approaches to the studies,

and conjectures of possible outcomes. Students are NOT allowed to take dissertation credits until their prospectus is approved. Credits taken before the approval date will NOT count towards the degree program.

Graduation Requirements

See Plan Graduation Requirements below.

Subplan 2 Requirements: Post-Bachelor's Track

Total Credits Required: 69

Course Requirements

Major Field Courses – Credits: 15

Complete 15 credits of coursework in an approved major in a single area in Electrical and Computer Engineering with a minimum overall GPA of 3.33. A minimum of 9 credits must be in 700-level courses.

Communications

- ECG 662 - Digital Communication Systems
- ECG 666 - Wireless and Mobile Communication Systems
- ECG 704 - Coding with Applications in Computers and Communication Media
- ECG 706 - Analysis of Telecommunication and Data Networks
- ECG 760 - Random Processes in Engineering Problems
- ECG 762 - Detection and Estimation of Signals in Noise
- ECG 763 - Advanced Digital Communication Systems

Computer Engineering

- ECG 600 - Computer Communication Networks
- ECG 604 - Modern Processor Architecture
- ECG 605 - Data Compression Systems
- ECG 607 - Biometrics
- ECG 608 - Digital Design Verification and Testing
- ECG 609 - Embedded Digital Signal Processing
- ECG 617 - Internet of Things Systems
- ECG 700 - Advanced Computer System Architecture
- ECG 701 - Reliable Design of Digital Systems
- ECG 702 - Interconnection Networks for Parallel Processing Applications
- ECG 704 - Coding with Applications in Computers and Communication Media
- ECG 706 - Analysis of Telecommunication and Data Networks
- ECG 707 - Logic Synthesis Engineering

- ECG 709 - Synthesis and Optimization of Digital Systems

Control Systems Theory

- ECG 672 - Digital Control Systems
- ECG 770 - Linear Systems
- ECG 771 - Optimal and Modern Control
- ECG 772 - Nonlinear Systems
- ECG 774 - Stochastic Control
- ECG 776 - Adaptive Control

Electromagnetics and Optics

- ECG 630 - Transmission Lines
- ECG 631 - Engineering Optics
- ECG 632 - Antenna Engineering
- ECG 633 - Active and Passive Microwave Engineering
- ECG 730 - Advanced Engineering Electromagnetics I
- ECG 731 - Theoretical Techniques in Electromagnetics
- ECG 732 - Advanced Engineering Electromagnetics II
- ECG 733 - Plasma I

Electronics

- ECG 620 - Analog Integrated Circuit Design
- ECG 621 - Digital Integrated Circuit Design
- ECG 720 - Advanced Analog IC Design
- ECG 721 - Memory Circuit Design
- ECG 722 - Mixed-Signal Circuit Design

Power Engineering

- ECG 642 - Power Electronics
- ECG 646 - Photovoltaic Devices and Systems
- ECG 740 - Computer Analysis Methods for Power Systems
- ECG 741 - Electric Power Distribution System Engineering
- ECG 742 - Power System Stability and Control
- ECG 743 - Smart Electrical Power Grid

Signal Processing

- ECG 680 - Discrete-Time Signal Processing
- ECG 760 - Random Processes in Engineering Problems
- ECG 762 - Detection and Estimation of Signals in Noise
- ECG 781 - Digital Filters

- ECG 782 - Multidimensional Digital Signal Processing
- ECG 783 - Adaptive Signal Processing with Neural Networks

Solid State Electronics

- ECG 651 - Electronic and Magnetic Materials and Devices
- ECG 652 - Optoelectronics
- ECG 653 - Introduction to Nanotechnology
- ECG 750 - Photonics
- ECG 752 - Physical Electronics
- ECG 753 - Advanced Topics in Semiconductor Devices I
- ECG 755 - Monolithic Integrated Circuit Fabrication
- ECG 756 - Advanced Topics in Semiconductor Devices II
- ECG 757 - Electron Transport Phenomena in Solid State Devices
- ECG 758 - Numerical Methods in Engineering

Minor Fields Courses – Credits: 18

Select two advisor-approved minor fields and complete 9 credits of coursework in each single area with a minimum overall average GPA of 3.33. A minimum of 6 credits in each area must be in 700-level courses. The secondary minor can be from a field outside Electrical Engineering.

Communications

- ECG 662 - Digital Communication Systems
- ECG 666 - Wireless and Mobile Communication Systems
- ECG 760 - Random Processes in Engineering Problems
- ECG 762 - Detection and Estimation of Signals in Noise

Computer Engineering

- ECG 600 - Computer Communication Networks
- ECG 604 - Modern Processor Architecture
- ECG 605 - Data Compression Systems
- ECG 607 - Biometrics
- ECG 608 - Digital Design Verification and Testing
- ECG 609 - Embedded Digital Signal Processing
- ECG 617 - Internet of Things Systems
- ECG 700 - Advanced Computer System Architecture
- ECG 701 - Reliable Design of Digital Systems
- ECG 702 - Interconnection Networks for Parallel Processing Applications

- ECG 704 - Coding with Applications in Computers and Communication Media
- ECG 706 - Analysis of Telecommunication and Data Networks
- ECG 707 - Logic Synthesis Engineering
- ECG 709 - Synthesis and Optimization of Digital Systems

Control Systems Theory

- ECG 770 - Linear Systems
- ECG 771 - Optimal and Modern Control
- ECG 772 - Nonlinear Systems
- ECG 774 - Stochastic Control
- ECG 776 - Adaptive Control

Electromagnetics and Optics

- ECG 630 - Transmission Lines
- ECG 631 - Engineering Optics
- ECG 632 - Antenna Engineering
- ECG 633 - Active and Passive Microwave Engineering
- ECG 730 - Advanced Engineering Electromagnetics I
- ECG 731 - Theoretical Techniques in Electromagnetics
- ECG 732 - Advanced Engineering Electromagnetics II
- ECG 733 - Plasma I

Electronics

- ECG 620 - Analog Integrated Circuit Design
- ECG 621 - Digital Integrated Circuit Design
- ECG 720 - Advanced Analog IC Design
- ECG 721 - Memory Circuit Design
- ECG 722 - Mixed-Signal Circuit Design

Power Engineering

- ECG 642 - Power Electronics
- ECG 646 - Photovoltaic Devices and Systems
- ECG 740 - Computer Analysis Methods for Power Systems
- ECG 741 - Electric Power Distribution System Engineering
- ECG 742 - Power System Stability and Control
- ECG 743 - Smart Electrical Power Grid

Signal Processing

- ECG 680 - Discrete-Time Signal Processing
- ECG 760 - Random Processes in Engineering Problems

- ECG 762 - Detection and Estimation of Signals in Noise
- ECG 781 - Digital Filters
- ECG 782 - Multidimensional Digital Signal Processing
- ECG 783 - Adaptive Signal Processing with Neural Networks

Solid State Electronics

- ECG 651 - Electronic and Magnetic Materials and Devices
- ECG 652 - Optoelectronics
- ECG 653 - Introduction to Nanotechnology
- ECG 750 - Photonics
- ECG 752 - Physical Electronics
- ECG 753 - Advanced Topics in Semiconductor Devices I
- ECG 755 - Monolithic Integrated Circuit Fabrication
- ECG 756 - Advanced Topics in Semiconductor Devices II
- ECG 757 - Electron Transport Phenomena in Solid State Devices
- ECG 758 - Numerical Methods in Engineering

700-Level Elective Courses – Credits: 12

Complete 12 credits of 700-level MAT, PHY, AST, CEE, CEM, ECG, EGG, CS, ME, or other advisor-approved courses.

Elective Courses – Credits: 6

Complete 6 credits of 600- or 700-level MAT, PHY, AST, CEE, CEM, ECG, EGG, CS, ME, or other advisor-approved courses.

Dissertation – Credits: 18

- ECG 799 - Dissertation

Degree Requirements

1. All Ph.D. students must satisfy the Ph.D. degree program admission requirements and be admitted to the Ph.D. program on a regular status.
2. Complete a minimum of 51 credits (24 M.S.E. credits + 27 Post-Master's Track credits) of graduate level courses (excluding dissertation credits) with an overall minimum GPA of 3.20 and a minimum GPA of 2.70 (B-) in each class applied towards the 27 credits.
3. Of the 51 required credits, a minimum of 33 credits must be in 700-level courses. Of these 33 credits, a minimum of 30 must be from formal courses. The student's doctoral advisory committee may add more requirements in accordance with the individual's background and field of study.
4. No more than 6 credits may be from Graduate

Independent Study together with Graduate Seminar. No more than 12 credits of a combination of informal courses such as Graduate Independent Study, Special Topics, and Seminar may be applied to the degree program.

5. Complete a minimum of 15 credits in an approved ECE major field, 9 credits an approved ECE minor (primary minor) field, and 9 credits in a second approved open minor (secondary minor) field. Of the 15 credits required in the ECE major field, a minimum of 9 credits must be completed in 700-level courses. A minimum GPA of 3.33 (B+=3.30) must be obtained in the major field. Of the 9 required credits in each minor field, a minimum of 6 credits must be in 700-level courses. A minimum GPA of 3.33 (B+=3.30) must be obtained in each of the minor fields.
6. Informal courses (Graduate Independent Study, Graduate Seminar, and Special Topics) cannot be applied to the ECE major, ECE minor (primary minor) and the open minor (secondary minor) fields.
7. At the time of admission or no later than the first semester, the Ph.D. candidate must formally petition BOTH the graduate college and the ECE graduate committee to accept transfer credits and credits taken as a non-degree seeking graduate student to be applied to the Ph.D. program.
8. All regular (full graduate standing) status graduate students must select a faculty advisor in their first semester.
9. Students on academic probation may be transferred to the M.S.E. Program depending on the student's academic record. In such a case, the M.S.E. Program requirements must be satisfied. For example, only 6 credits of the informal courses may be applied to the M.S.E. degree program with the further constraint that up to 3 credits total of Independent Study in combination with Graduate Seminar may be in the 6 credits.
10. Maintain a minimum overall grade point average (GPA) of 3.20, must maintain a minimum GPA of 3.20 each semester, and must complete all graduate level courses that apply towards their degree with a minimum GPA of 2.70 (B-) in each course. Grades below B- cannot be applied towards the Ph.D. degree and must be repeated or replaced. A class grade below C (2.0) is grounds for initiating a program separation recommendation to the Graduate College. Ph.D. candidates who do not maintain an overall minimum GPA of 3.2, who do not maintain a minimum GPA of 3.2 each semester, or who earn more than one grade below B- will be placed on academic probation or expelled from the program. The Electrical and Computer Engineering Graduate Committee and/or the Graduate College will determine the terms of the student's probation in accordance with the rules of the Graduate College.

11. All regular status graduate students must file an approved program before the completion of their third semester. This program must be approved by the student's advisor and the graduate coordinator. All regular and provisional status graduate students must show satisfactory progress towards completion of their degree by completing at least six credits of their approved program per calendar year. If their progress towards their degree program is not satisfactory, students will either be put on probation or expelled from the program.
12. Before beginning a dissertation, students must have their dissertation topic approved by their advisor, and the necessary paper work including a dissertation prospectus must be filed with the Graduate College by the end of the third semester. The dissertation prospectus describes the dissertation topic and must include an introductory set of sentences, a well formed hypothesis or hypotheses (specifically italicized in the prospectus) accompanied by a motivation, objectives with major and alternative approaches to the studies, and conjectures of possible outcomes. Students are NOT allowed to take dissertation credits until their prospectus is approved. Credits taken before the approval date will NOT count towards the degree program.

Graduation Requirements

See Plan Graduation Requirements below.

Subplan 3 Requirements: Post-Bachelor's Integrated BS-PHD Track

Total Credits Required: 60-66

Course Requirements

Major Field Courses – Credits: 6-15

Complete 6-15 credits of coursework in an approved major in a single area in Electrical and Computer Engineering with a minimum overall GPA of 3.33.

Communications

- ECG 662 - Digital Communication Systems
- ECG 666 - Wireless and Mobile Communication Systems
- ECG 704 - Coding with Applications in Computers and Communication Media
- ECG 706 - Analysis of Telecommunication and Data Networks
- ECG 760 - Random Processes in Engineering Problems
- ECG 762 - Detection and Estimation of Signals in Noise
- ECG 763 - Advanced Digital Communication Systems

Computer Engineering

- ECG 600 - Computer Communication Networks

- ECG 604 - Modern Processor Architecture
- ECG 605 - Data Compression Systems
- ECG 607 - Biometrics
- ECG 608 - Digital Design Verification and Testing
- ECG 609 - Embedded Digital Signal Processing
- ECG 617 - Internet of Things Systems
- ECG 700 - Advanced Computer System Architecture
- ECG 701 - Reliable Design of Digital Systems
- ECG 702 - Interconnection Networks for Parallel Processing Applications
- ECG 704 - Coding with Applications in Computers and Communication Media
- ECG 706 - Analysis of Telecommunication and Data Networks
- ECG 707 - Logic Synthesis Engineering
- ECG 709 - Synthesis and Optimization of Digital Systems

Control Systems Theory

- ECG 672 - Digital Control Systems
- ECG 770 - Linear Systems
- ECG 771 - Optimal and Modern Control
- ECG 772 - Nonlinear Systems
- ECG 774 - Stochastic Control
- ECG 776 - Adaptive Control

Electromagnetics and Optics

- ECG 630 - Transmission Lines
- ECG 631 - Engineering Optics
- ECG 632 - Antenna Engineering
- ECG 633 - Active and Passive Microwave Engineering
- ECG 730 - Advanced Engineering Electromagnetics I
- ECG 731 - Theoretical Techniques in Electromagnetics
- ECG 732 - Advanced Engineering Electromagnetics II
- ECG 733 - Plasma I

Electronics

- ECG 620 - Analog Integrated Circuit Design
- ECG 621 - Digital Integrated Circuit Design
- ECG 720 - Advanced Analog IC Design
- ECG 721 - Memory Circuit Design
- ECG 722 - Mixed-Signal Circuit Design

Power Engineering

- ECG 642 - Power Electronics

- ECG 646 - Photovoltaic Devices and Systems
- ECG 740 - Computer Analysis Methods for Power Systems
- ECG 741 - Electric Power Distribution System Engineering
- ECG 742 - Power System Stability and Control
- ECG 743 - Smart Electrical Power Grid

Signal Processing

- ECG 680 - Discrete-Time Signal Processing
- ECG 760 - Random Processes in Engineering Problems
- ECG 762 - Detection and Estimation of Signals in Noise
- ECG 781 - Digital Filters
- ECG 782 - Multidimensional Digital Signal Processing
- ECG 783 - Adaptive Signal Processing with Neural Networks

Solid State Electronics

- ECG 651 - Electronic and Magnetic Materials and Devices
- ECG 652 - Optoelectronics
- ECG 653 - Introduction to Nanotechnology
- ECG 750 - Photonics
- ECG 752 - Physical Electronics
- ECG 753 - Advanced Topics in Semiconductor Devices I
- ECG 755 - Monolithic Integrated Circuit Fabrication
- ECG 756 - Advanced Topics in Semiconductor Devices II
- ECG 757 - Electron Transport Phenomena in Solid State Devices
- ECG 758 - Numerical Methods in Engineering

Minor Fields Courses – Credits: 9-18

Select two advisor-approved minor fields and complete coursework in each single area totaling 9-18 credits, with a minimum overall average GPA of 3.33. The secondary minor can be from a field outside Electrical Engineering.

Communications

- ECG 662 - Digital Communication Systems
- ECG 666 - Wireless and Mobile Communication Systems
- ECG 760 - Random Processes in Engineering Problems
- ECG 762 - Detection and Estimation of Signals in Noise

Computer Engineering

- ECG 600 - Computer Communication Networks
- ECG 604 - Modern Processor Architecture
- ECG 605 - Data Compression Systems
- ECG 607 - Biometrics
- ECG 608 - Digital Design Verification and Testing
- ECG 609 - Embedded Digital Signal Processing
- ECG 617 - Internet of Things Systems
- ECG 700 - Advanced Computer System Architecture
- ECG 701 - Reliable Design of Digital Systems
- ECG 702 - Interconnection Networks for Parallel Processing Applications
- ECG 704 - Coding with Applications in Computers and Communication Media
- ECG 706 - Analysis of Telecommunication and Data Networks
- ECG 707 - Logic Synthesis Engineering
- ECG 709 - Synthesis and Optimization of Digital Systems

Control Systems Theory

- ECG 770 - Linear Systems
- ECG 771 - Optimal and Modern Control
- ECG 772 - Nonlinear Systems
- ECG 774 - Stochastic Control
- ECG 776 - Adaptive Control

Electromagnetics and Optics

- ECG 630 - Transmission Lines
- ECG 631 - Engineering Optics
- ECG 632 - Antenna Engineering
- ECG 633 - Active and Passive Microwave Engineering
- ECG 730 - Advanced Engineering Electromagnetics I
- ECG 731 - Theoretical Techniques in Electromagnetics
- ECG 732 - Advanced Engineering Electromagnetics II
- ECG 733 - Plasma I

Electronics

- ECG 620 - Analog Integrated Circuit Design
- ECG 621 - Digital Integrated Circuit Design
- ECG 720 - Advanced Analog IC Design
- ECG 721 - Memory Circuit Design
- ECG 722 - Mixed-Signal Circuit Design
-

Power Engineering

- ECG 642 - Power Electronics
- ECG 646 - Photovoltaic Devices and Systems
- ECG 740 - Computer Analysis Methods for Power Systems
- ECG 741 - Electric Power Distribution System Engineering
- ECG 742 - Power System Stability and Control
- ECG 743 - Smart Electrical Power Grid

Signal Processing

- ECG 680 - Discrete-Time Signal Processing
- ECG 760 - Random Processes in Engineering Problems
- ECG 762 - Detection and Estimation of Signals in Noise
- ECG 781 - Digital Filters
- ECG 782 - Multidimensional Digital Signal Processing
- ECG 783 - Adaptive Signal Processing with Neural Networks

Solid State Electronics

- ECG 651 - Electronic and Magnetic Materials and Devices
- ECG 652 - Optoelectronics
- ECG 653 - Introduction to Nanotechnology
- ECG 750 - Photonics
- ECG 752 - Physical Electronics
- ECG 753 - Advanced Topics in Semiconductor Devices I
- ECG 755 - Monolithic Integrated Circuit Fabrication
- ECG 756 - Advanced Topics in Semiconductor Devices II
- ECG 757 - Electron Transport Phenomena in Solid State Devices
- ECG 758 - Numerical Methods in Engineering

Elective Courses – Credits: 9-18

Complete 9-18 credits of 600- or 700-level MAT, PHY, AST, CEE, CEM, ECG, EGG, CS, ME, or other advisor-approved courses.

Dissertation – Credits: 18

- ECG 799 - Dissertation

Degree Requirements

1. All Ph.D. students must satisfy the Ph.D. degree program admission requirements and be admitted to the Ph.D. program on a regular status.

2. Total credits required depends on the total number of approved graduate-level course work taken as technical electives (with a grade of B or better) during the senior year.
3. Complete a minimum of 60, 63, or 66 credits (including dissertation credits) respectively corresponding to 9, 6, or 3 credits of formally approved graduate level courses applied toward the B.S. degree yielding a total of 69 course credits. The final division of major, minor, and elective credits will be determined in consultation with the student's advisor.
4. Of the 51 required credits, a minimum of 33 credits must be in 700-level courses. Of these 33 credits, a minimum of 30 must be from formal courses. The student's doctoral advisory committee may add more requirements in accordance with the individual's background and field of study.
5. No more than 6 credits may be from Graduate Independent Study together with Graduate Seminar. No more than 12 credits of a combination of informal courses such as Graduate Independent Study, Special Topics, and Seminar may be applied to the degree program.
6. Complete a minimum of 15 credits in an approved ECE major field, 9 credits an approved ECE minor (primary minor) field, and 9 credits in a second approved open minor (secondary minor) field. Of the 15 credits required in the ECE major field, a minimum of 9 credits must be completed in 700-level courses. A minimum GPA of 3.33 (B+=3.30) must be obtained in the major field. Of the 9 required credits in each minor field, a minimum of 6 credits must be in 700-level courses. A minimum GPA of 3.33 (B+=3.30) must be obtained in each of the minor fields.
7. Informal courses (Graduate Independent Study, Graduate Seminar, and Special Topics) cannot be applied to the ECE major, ECE minor (primary minor) and the open minor (secondary minor) fields.
8. All regular (full graduate standing) status graduate students must select a faculty advisor in their first semester.
9. Students on academic probation may be transferred to the M.S.E. Program depending on the student's academic record. In such a case, the M.S.E. Program requirements must be satisfied. For example, only 6 credits of the informal courses may be applied to the M.S.E. degree program with the further constraint that up to 3 credits total of Independent Study in combination with Graduate Seminar may be in the 6 credits.
10. Maintain a minimum overall grade point average (GPA) of 3.20, must maintain a minimum GPA of 3.20 each semester, and must complete all graduate level courses that apply towards their degree with a minimum GPA of 2.70 (B-) in each course. Grades below B- cannot be applied towards the Ph.D. degree

and must be repeated or replaced. A class grade below C (2.0) is grounds for initiating a program separation recommendation to the Graduate College. Ph.D. candidates who do not maintain an overall minimum GPA of 3.20, who do not maintain a GPA of 3.20 each semester, or who earn more than one grade below B will either be placed on probation or expelled from the program. The Electrical and Computer Engineering Graduate Committee and/or the Graduate College will determine the terms of the student's probation in accordance with the rules of the Graduate College.

11. All regular status graduate students must file an approved program before the completion of their third semester. This program must be approved by the student's advisor and the graduate coordinator. All regular and provisional status graduate students must show satisfactory progress towards completion of their degree by completing at least six credits of their approved program per calendar year. If their progress towards their degree program is not satisfactory, students will either be put on probation or expelled from the program.
12. Before beginning a dissertation, students must have their dissertation topic approved by their advisor, and the necessary paper work including a dissertation prospectus must be filed with the Graduate College by the end of the third semester. The dissertation prospectus describes the dissertation topic and must include an introductory set of sentences, a well formed hypothesis or hypotheses (specifically italicized in the prospectus) accompanied by a motivation, objectives with major and alternative approaches to the studies, and conjectures of possible outcomes. Students are NOT allowed to take dissertation credits until their prospectus is approved. Credits taken before the approval date will NOT count towards the degree program.

Graduation Requirements

See Plan Graduation Requirements below.

Plan Graduation Requirements

During the first semester, a Ph.D. student must select a faculty advisor. The faculty advisor does not have to be the one to whom the student was assigned upon entering the Ph.D. program. In coordination with the faculty advisor, the student must also form a doctoral advisory committee. A doctoral advisory committee is composed of at least four members of the UNLV Graduate Faculty. Three of the faculty must be from the Department of Electrical and Computer Engineering. The fourth from a relevant supporting field having Full Graduate Faculty Status as recognized by the Graduate College.

Students admitted on provisional and/or conditional status are not allowed to take the qualifying exam until their provisions and/or conditions have been met. Students taking the exam while on provisional or conditional status will be required to retake the exam regardless if one or all

areas of the exam have been passed.

Provisional status students must complete all required supplementary work within one calendar year from the time of admission into the program with a grade of B (3.0) or better in each course.

Pass the Qualifying Exam within 2 semesters of being admitted to the Ph.D. program on a regular (full graduate standing) status. The Qualifying Exam is offered once every fall semester and once every spring semester. This exam cannot be taken more than twice.

The Qualifying Exam tests the student's general undergraduate knowledge of electrical engineering and computer engineering. To register for the Qualifying Exam, eligible students must notify the graduate coordinator no later than one month prior to the examination date.

All students must pass the Qualifying Exam within the first two semesters (excluding the summer semester) upon being admitted to the Ph.D. program on a regular status. If a student is required to take the qualifying exam and is not present to sit the exam, an automatic FAIL is assigned. Students who have not passed the Qualifying Exam within this time frame will be terminated from the Ph.D. program. Students who have not passed the Qualifying Exam by their second attempt will be terminated from the Ph.D. program. Students in the Direct Ph.D. program who fail the Qualifying Exam on their second attempt within the two semester time frame may elect to pursue a M.S. Degree by completing all of the requirements listed for that degree.

The Qualifying Exam is a four and one-half hour exam covering questions in the following undergraduate electrical and computer engineering fields:

Communications

Control System Theory

Electromagnetics and Optics

Electronics

Power

Signal Processing

Solid State

Digital Logic Design

Computer Architectures and Organization

Digital Electronics and VLSI Design

Computer Communication Networks

To pass the qualifying exam requirement, the student must successfully complete any four of the eleven areas with a grade of PASS to complete the qualifying exam requirement within two sittings. If the student passes less than four areas on the first attempt, the student will receive a PASS for those individual areas successfully completed and will not be required to retake these areas

on the second attempt. The exam is a closed note, closed book exam.

For more details on course specifics, exam logistics, appeal rights and procedure, and protocols regarding the qualifying exam, refer to the ECE department's Electrical Engineering Graduate Program Document.

In all Post-Bachelor's Tracks, a Ph.D. student must complete a minimum of 15 credits in an approved ECE major field in a single area of Electrical and Computer Engineering, 9 credits in an approved ECE minor field (primary minor) in a single but different area of Electrical and Computer Engineering, and another 9 credits in a second approved minor (secondary minor) field. Currently, the Department of Electrical and Computer Engineering at UNLV offers Communications, Computer Engineering, Control System Theory, Electromagnetics and Optics, Electronics, Power Systems, Signal Processing, and Solid State Materials and Devices as major fields. Specific courses that can be applied to specific fields are listed in detail in the Electrical Engineering Graduate Program Document.

Of the 15 credits required in the ECE major field, a minimum of 9 credits must be completed in 700-level courses. To complete the ECE major field requirement, the applied 15 credits of ECE major course work must attain a minimum overall GPA of 3.33 (B+=3.30).

Each student must complete two minor fields. To complete a minor field, a student must complete a minimum of 9 credits in a minor field and have an overall minimum GPA of 3.33 (B+=3.30) for the 9 minor field credits. Of the 9 required credits in each minor field, a minimum of 6 credits must be in 700-level courses. Courses that can be applied to specific minor fields are listed in detail in the Electrical Engineering Graduate Program Document. These courses may be applied to any designated field but may only be counted once. With the written approval of the major advisor and the student's advisory committee, the secondary minor may be a mixed minor field. A mixed minor field may be formed with courses inside and/or outside of the Electrical Engineering Department's approved fields (e.g., mathematics and physics, computer engineering and computer science, physics, mechanical engineering, solid state and electromagnetics) A mixed minor may not be composed of courses in the Electrical Engineering Department that satisfy course work in the major and the other minor field. The only exception is when a course may be used in more than one field. In this case, the course may not be counted twice but may be used for either minor area. However, the student must complete at least one minor field (primary minor field) in Electrical Engineering in a single area.

After successfully completing all required course work, the candidate must pass the Preliminary Exam. The Preliminary Exam cannot be taken more than once per semester but may be repeated until passed.

The Preliminary Exam evaluates the caliber of a student's dissertation topic. The Preliminary Exam cannot be taken

more than once per semester but may be repeated until passed.

To be eligible for the Preliminary Exam, a student must have successfully completed all required course work except for the 18 credits of Dissertation.

Before the Preliminary Exam, a student must prepare a 10 to 20-page prospectus of his/her research. A copy of this prospectus must be submitted to the Graduate Committee and each member of the Ph.D. candidate's advisory committee at least two weeks prior to the Preliminary Exam.

The student must also notify the Graduate Committee and each member of their advisory committee of the date, time and location of their Preliminary Exam. This must be done at least two weeks prior to the Preliminary Exam.

During the Preliminary Exam, the student presents his/her prospectus to his advisory committee. To pass the Preliminary Exam, the student's advisory committee must unanimously approve the student's prospectus. Students who pass the Preliminary Exam are advanced to candidacy for the Ph.D.

Complete a minimum of 18 credits of Dissertation and complete a dissertation containing original research. Upon completion, the student must pass the Final Exam in which the student defends his/her dissertation. The Final Exam is the culminating experience of the PhD program.

The Final Exam evaluates the Ph.D. candidate's dissertation. The Final Exam cannot be taken more than once per every three months but may be repeated until passed. To be eligible for the Final Exam, a Ph.D. candidate must have passed the Preliminary Exam, and have successfully completed all required course work including a minimum of 18 credits of Dissertation. A minimum of 12 credits of Dissertation must be taken after the successful completion of the Preliminary Exam. A copy of the Ph.D. candidate's dissertation must be submitted to the Graduate Committee and each member of the Ph.D. candidate's advisory committee at least two weeks prior to the Final Exam. The Ph.D. candidate must also notify the Graduate Committee and each member of his/her advisory committee of the date, time, and location of his/her Final Exam at least two weeks prior to the Final Exam. During the Final Exam, the Ph.D. candidate will present his/her dissertation to their advisory committee. To pass the Final Exam, the Ph.D. candidate's advisory committee must unanimously approve the Ph.D. candidate's dissertation.

The Department of Electrical and Computer Engineering requires that the Ph.D. degree be completed within a period of six years from the time the candidate is fully admitted to the Ph.D. program. Further, courses taken more than six years prior to graduation cannot be applied toward the PhD degree without permission from the Graduate College. Students exceeding this time limit must formally write a letter requesting permission from both

the Graduate Committee and the Graduate College to stay in the Ph.D. program and apply coursework towards the degree program. The formal letter must explain the circumstances of why the degree was not completed within the allotted time frame and indicate the extended period of time needed to complete the degree.

The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.

The student must submit and successfully defend his/her dissertation by the posted deadline. The defense must be advertised and is open to the public.

After the dissertation defense, the student must electronically submit a properly formatted pdf copy of their dissertation to the Graduate College for format check. Once the dissertation format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for dissertation defenses, format check submissions, and the final ProQuest submission can be found here.

Dual Degree: Master of Science in Engineering - Electrical Engineering & Master of Science - Mathematical Sciences

Plan Description

The dual M.S.E. – Electrical Engineering and the M.S. – Mathematical Sciences program is designed for those who want to pursue the M.S.E. degree in Electrical Engineering or a career in Electrical Engineering with emphasis in applied Mathematics. The program prepares graduate students with complementing educational components covering electrical engineering and mathematics, which is the basis of all engineering. The students graduating from this program will be well-prepared with a well-rounded background.

The Department of Electrical and Computer Engineering at UNLV offers a number of program options leading to the M.S.E. degree in the Field of Electrical Engineering. Specific major areas of study currently available include: Communications, Computer Engineering, Control System Theory, Electromagnetics and Optics, Electronics, Power Systems, Signal Processing, and Solid State Materials and Devices.

For more information about your program, including your graduate program handbook and learning outcomes, please visit the Degree Directory.

Learning outcomes for each degree can be found below:

- Master of Science in Engineering - Electrical Engineering
- Master of Science - Mathematical Sciences

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.

Applicants must satisfy the minimum requirements of the M.S.E. – Electrical Engineering program and the MS – Mathematics program. If denied by one program, the applicant will have the option of proceeding with a single degree program with departmental approval.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

See Subplan Requirements below.

Subplan 1 Requirements: Standard Track

Total Credits Required: 54-57

Course Requirements

Total Credits Required for the Mathematical Sciences M.S.: 30-33

Required Courses – Credits: 6

Complete two of the following courses:

- MAT 707 - Real Analysis I
- MAT 709 - Complex Function Theory I
- MAT 765 - Advanced Numerical Analysis

Elective Courses – Credits: 21-24

Students completing the exam option must complete a minimum of 24 credits of MAT or STA elective courses (excluding MAT 711 & 712), and students completing the thesis option must complete a minimum of 21 credits of MAT or STA elective courses (excluding MAT 711 & 712). Other graduate-level courses may be taken with advisor-approval.

Thesis – Credits: 6 (Optional)

Complete 6 credits from one of the following courses:

- MAT 791 - Thesis
- STA 791 - Thesis

Total Credits Required for the Electrical Engineering M.S.E.: 30

Core Courses – Credits: 9

Complete a minimum of 3 credits in at least three of the following areas. Students in the comprehensive exam track must take all courses at the 700-level.

Communications

- ECG 662 - Digital Communication Systems
- ECG 666 - Wireless and Mobile Communication Systems
- ECG 704 - Coding with Applications in Computers and Communication Media
- ECG 706 - Analysis of Telecommunication and Data Networks
- ECG 760 - Random Processes in Engineering Problems
- ECG 762 - Detection and Estimation of Signals in Noise
- ECG 763 - Advanced Digital Communication Systems

Computer Engineering

- ECG 600 - Computer Communication Networks
- ECG 604 - Modern Processor Architecture
- ECG 605 - Data Compression Systems
- ECG 607 - Biometrics
- ECG 608 - Digital Design Verification and Testing
- ECG 609 - Embedded Digital Signal Processing

- ECG 700 - Advanced Computer System Architecture
- ECG 701 - Reliable Design of Digital Systems
- ECG 702 - Interconnection Networks for Parallel Processing Applications
- ECG 704 - Coding with Applications in Computers and Communication Media
- ECG 706 - Analysis of Telecommunication and Data Networks
- ECG 707 - Logic Synthesis Engineering
- ECG 709 - Synthesis and Optimization of Digital Systems

Control Systems Theory

- ECG 672 - Digital Control Systems
- ECG 770 - Linear Systems
- ECG 771 - Optimal and Modern Control
- ECG 772 - Nonlinear Systems
- ECG 774 - Stochastic Control
- ECG 776 - Adaptive Control

Electromagnetics and Optics

- ECG 630 - Transmission Lines
- ECG 631 - Engineering Optics
- ECG 632 - Antenna Engineering
- ECG 633 - Active and Passive Microwave Engineering
- ECG 730 - Advanced Engineering Electromagnetics I
- ECG 731 - Theoretical Techniques in Electromagnetics
- ECG 732 - Advanced Engineering Electromagnetics II
- ECG 733 - Plasma I

Electronics

- ECG 620 - Analog Integrated Circuit Design
- ECG 621 - Digital Integrated Circuit Design
- ECG 720 - Advanced Analog IC Design
- ECG 721 - Memory Circuit Design
- ECG 722 - Mixed-Signal Circuit Design

Power Engineering

- ECG 642 - Power Electronics
- ECG 646 - Photovoltaic Devices and Systems
- ECG 740 - Computer Analysis Methods for Power Systems
- ECG 741 - Electric Power Distribution System Engineering
- ECG 742 - Power System Stability and Control

- ECG 743 - Smart Electrical Power Grid

Signal Processing

- ECG 680 - Discrete-Time Signal Processing
- ECG 760 - Random Processes in Engineering Problems
- ECG 762 - Detection and Estimation of Signals in Noise
- ECG 781 - Digital Filters
- ECG 782 - Multidimensional Digital Signal Processing
- ECG 783 - Adaptive Signal Processing with Neural Networks

Solid State Electronics

- ECG 651 - Electronic and Magnetic Materials and Devices
- ECG 652 - Optoelectronics
- ECG 653 - Introduction to Nanotechnology
- ECG 750 - Photonics
- ECG 752 - Physical Electronics
- ECG 753 - Advanced Topics in Semiconductor Devices I
- ECG 755 - Monolithic Integrated Circuit Fabrication
- ECG 756 - Advanced Topics in Semiconductor Devices II
- ECG 757 - Electron Transport Phenomena in Solid State Devices
- ECG 758 - Numerical Methods in Engineering

Additional Core Courses – Credits: 9-12

Complete 9-12 credits of additional core courses from the core courses in any of the areas listed above. Students in the comprehensive exam track must take all courses at the 700-level.

Students completing the comprehensive exam option must complete a minimum of 12 credits of electives, and students completing the thesis option must complete a minimum of 9 credits of electives.

Elective Courses – Credits: 6-9

Complete a minimum of 6-9 credits of 600- or 700-level MAT, PHY, AST, CEE, CEM, ECG, EGG, CS, ME, or other advisor-approved courses.

Students completing the comprehensive exam option must complete a minimum of 9 credits of electives, and students completing the thesis option must complete a minimum of 6 credits of electives.

Thesis – Credits: 6 (Optional)

- ECG 797 - Electrical Engineering Thesis

Total Credits Shared: 6

Two courses can be double counted between Electrical Engineering M.S.E and Mathematical Sciences M.S. degrees. Non-ECG courses must be applied towards non-ECG elective credits in the electrical engineering degree program pursued.

Degree Requirements

1. A minimum of 54 or 57 credits (including thesis credits) of graduate work is required for the Dual Electrical Engineering M.S.E. and Mathematical Sciences M.S. which corresponds to the choice of completing a Mathematics comprehensive exam or thesis.
2. Two of the courses included in the degree program can be double counted Electrical Engineering M.S.E and Mathematical Sciences M.S. degrees. Non-ECG courses must be applied towards non-ECG electives credits in the electrical engineering degree program pursued.
3. If a thesis option is chosen: In consultation with his/her advisor, a student will organize a thesis committee of at least three departmental members. In addition, a fourth member from outside the department, known as the Graduate College Representative, must be appointed. An additional committee member may be added at the student and department's discretion. Please see Graduate College policy for committee appointment guidelines.

Mathematical Sciences M.S.

1. Students completing a thesis must complete a minimum of 33 credit hours with a minimum GPA of 3.00.
2. Students completing the comprehensive exam must complete a minimum of 30 credit hours with a minimum GPA of 3.00.
3. 21 credits of mathematics course work must be at the 700-level (excluding thesis).
4. A student will be placed on academic probation if a minimum of 3.00 GPA is not maintained in all work taken in the degree program. A grade of C or less in one graduate-level course will cause a student to be placed on academic probation and will elicit a critical review of the student's program by the Graduate Studies Committee.
5. The Graduate College requires a minimum of 50 percent of the total credits required to complete the graduate degree, exclusive of transferred credits and/or the thesis, must be earned at UNLV after admission to a graduate degree program.
6. Students must complete a final examination. This will be either an examination to defend the thesis or a written comprehensive examination based on requirements 1 and 2.

Electrical Engineering M.S.E.

1. Students must satisfy the M.S.E. - Electrical Engineering degree program admission requirements

and be admitted to the M.S.E. - Electrical Engineering program with regular full graduate standing status, having met all conditions and provisions.

2. Students must complete a minimum of 30 credits of graduate level courses with an overall minimum GPA of 3.00 (B), a minimum GPA of 3.00 (B) each semester, and a minimum GPA of 2.70 (B-) in each class applied towards the 30 credits. Grades below B- are not counted towards the M.S.E. degree and must be repeated or replaced.
3. Students who do not maintain an overall GPA of 3.00 (B), a GPA of 3.00 (B) each semester, or who earn more than one grade below B- will either be placed on probation or expelled from the program. The Electrical and Computer Engineering Graduate Committee and/or the Graduate College will determine the terms of the student's probation in accordance with the rules of the Graduate College.
4. At the time of admission or no later than the first semester, the candidate must formally petition BOTH the graduate college and the ECE graduate committee to accept transfer credits and credits taken as a non-degree seeking graduate student to be applied to the M.S.E. program.
5. Students must select a faculty advisor in their first semester.
6. No more than 3 credits may be from Independent Study (which cumulatively includes Graduate Seminar) and no more than a total of 6 credits of the combination of Independent Study, Graduate Seminar, and Graduate Special Topics may be applied towards the M.S.E. degree program.
7. Students completing a Thesis:
 1. A minimum of 18 core (formal) must be in core electrical engineering courses, of which 15 credits must be 700-level. This excludes Thesis, and informal courses (such as Special Topics, Graduate Seminar, and Independent Study).
 2. Students must complete at least six credits of Electrical Engineering Thesis which culminates in the successful completion of a thesis oral exam and the submission of an approved thesis. Although Electrical Engineering Thesis can be taken repeatedly, no more than 6 credits can be applied towards the 30 credits required for the M.S.E. degree.
 3. Before beginning a thesis, students must have their thesis topic approved by their advisor, and the necessary paper work must be filed with the Graduate College. The thesis prospectus describes the thesis topic and must include an introductory set of sentences, a well formed hypothesis or hypotheses (specifically italicized in the prospectus) accompanied by a motivation, objectives with major and alternative approaches to the studies, and conjectures of

possible outcomes. Students are NOT allowed to take thesis credits until their thesis prospectus is approved. Credits taken before the approval date will NOT count towards the degree program.

4. The student must complete a thesis containing original research and publically defend it before his/her advisory committee at the Thesis Exam.
5. Prior to the student's defense of the thesis before his/her advisory committee, the student must submit a complete copy of the thesis to each member of his/her advisory committee. This submission must occur at least two weeks prior to the date of the oral defense. The student must also notify each member of his/her advisory committee of the date, time and location of the oral defense of the thesis or project at least two weeks in advance.
6. Students who plan to continue their studies beyond the M.S.E. degree program are strongly encouraged to select this option.
7. A full graduate standing master's degree candidate who is interested in pursuing a doctoral degree may be allowed to take the Ph.D. qualifying exam without penalty during his/her period as an M.S.E. student. The exam may be taken as many times as desired but no more than once a semester at the time the exam is typically offered. The M.S.E. candidate must pass four areas of choice in a single sitting to satisfy the Qualifying Exam requirement. If the student successfully completes the Qualifying Exam requirement while pursuing the M.S.E. degree in Electrical Engineering with a thesis option in the Electrical and Computer Engineering department at UNLV, the student will have automatically fulfilled the Qualifying Exam requirement upon admission to the Ph.D. program in the Electrical and Computer Engineering program at UNLV. Once the student receives an M.S.E. degree in the field of Electrical Engineering, the student must abide by the requirements outlined in the Ph.D. program. This option is not available to non-degree students.
8. Students completing zomprehensive Exam:
 1. A minimum of 21 credits must be in core (formal) electrical engineering 700-level courses excluding informal courses (such as Independent Study, Graduate Seminar, and Special Topics).
 2. Pass a comprehensive exam on graduate level coursework in the student's specialty area.
 3. The exam may be taken in the last two semesters of the student's M.S.E. program.
 4. The student may not take the exam until all course work pertaining to the exam is completed. For

clarity, students enrolled in courses pertaining to the comprehensive exam cannot take the comprehensive exam. Within the six year limit, the exam may be repeated until passed but cannot be taken more than once per semester. Prior to the end of the first week of classes in the student's last two semesters, the student must announce to the ECE Graduate Coordinator his/her intention of taking the exam, the major field to be examined, and at least two courses taken in that field.

5. The Course Only Option is a final advanced professional degree option in that students who complete the Course Only Option will not be considered for admission into any of the department's Ph.D. program options.

Graduation Requirements

1. Students cannot graduate from one portion of the dual degree until the requirements for both are met. Students must apply to graduate from both programs for the same semester.
2. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.

Mathematical Sciences M.S.

1. The student must successfully complete a culminating experience.
2. If the exam option is chosen, the student must successfully pass a final comprehensive examination.
3. If the thesis option is chosen, the student must:
 1. Submit and successfully defend his/her thesis by the posted deadline. The defense must be advertised and is open to the public.
 2. After the thesis defense, the student must electronically submit a properly formatted pdf copy of their thesis to the Graduate College for format check. Once the thesis format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for thesis defenses, format check submissions, and the final ProQuest submission can be found here.

Electrical Engineering M.S.E.

1. The student must successfully complete a culminating experience.
2. If the exam option is chosen, the student must pass a final comprehensive examination.
 1. If the thesis option is chosen, the student must:
 2. Submit and successfully defend his/her thesis by the posted deadline. The defense must be advertised and is open to the public.

3. After the thesis defense, the student must electronically submit a properly formatted pdf copy of their thesis to the Graduate College for format check. Once the thesis format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for thesis defenses, format check submissions, and the final ProQuest submission can be found here.

Subplan 2 Requirements: Integrated BS-MS Track

Total Credits Required: 45-54

Course Requirements

Total Credits Required for the Mathematical Sciences M.S.: 30-33

Required Courses – Credits: 6

Complete two of the following courses:

- MAT 707 - Real Analysis I
- MAT 709 - Complex Function Theory I
- MAT 765 - Advanced Numerical Analysis

Elective Courses – Credits: 21-24

Students completing the exam option must complete a minimum of 24 credits of MAT or STA elective courses (excluding MAT 711 & 712), and students completing the thesis option must complete a minimum of 21 credits of MAT or STA elective courses (excluding MAT 711 & 712). Other graduate-level courses may be taken with advisor-approval.

Thesis – Credits: 6 (Optional)

Complete 6 credits from one of the following courses:

- MAT 791 - Thesis
- STA 791 - Thesis

Total Credits Required for the Electrical Engineering M.S.E.: 21-27

Core Courses – Credits: 0-9

Complete a minimum of 0-3 credits in at least three of the following areas:

Communications

- ECG 662 - Digital Communication Systems
- ECG 666 - Wireless and Mobile Communication Systems
- ECG 704 - Coding with Applications in Computers and Communication Media
- ECG 706 - Analysis of Telecommunication and Data Networks
- ECG 760 - Random Processes in Engineering Problems
- ECG 762 - Detection and Estimation of Signals in Noise

- ECG 763 - Advanced Digital Communication Systems

Computer Engineering

- ECG 600 - Computer Communication Networks
- ECG 604 - Modern Processor Architecture
- ECG 605 - Data Compression Systems
- ECG 607 - Biometrics
- ECG 608 - Digital Design Verification and Testing
- ECG 609 - Embedded Digital Signal Processing
- ECG 700 - Advanced Computer System Architecture
- ECG 701 - Reliable Design of Digital Systems
- ECG 702 - Interconnection Networks for Parallel Processing Applications
- ECG 704 - Coding with Applications in Computers and Communication Media
- ECG 706 - Analysis of Telecommunication and Data Networks
- ECG 707 - Logic Synthesis Engineering
- ECG 709 - Synthesis and Optimization of Digital Systems

Control Systems Theory

- ECG 672 - Digital Control Systems
- ECG 770 - Linear Systems
- ECG 771 - Optimal and Modern Control
- ECG 772 - Nonlinear Systems
- ECG 774 - Stochastic Control
- ECG 776 - Adaptive Control

Electromagnetics and Optics

- ECG 630 - Transmission Lines
- ECG 631 - Engineering Optics
- ECG 632 - Antenna Engineering
- ECG 633 - Active and Passive Microwave Engineering
- ECG 730 - Advanced Engineering Electromagnetics I
- ECG 731 - Theoretical Techniques in Electromagnetics
- ECG 732 - Advanced Engineering Electromagnetics II
- ECG 733 - Plasma I

Electronics

- ECG 620 - Analog Integrated Circuit Design
- ECG 621 - Digital Integrated Circuit Design
- ECG 720 - Advanced Analog IC Design
- ECG 721 - Memory Circuit Design
- ECG 722 - Mixed-Signal Circuit Design

Power Engineering

- ECG 642 - Power Electronics
- ECG 646 - Photovoltaic Devices and Systems
- ECG 740 - Computer Analysis Methods for Power Systems
- ECG 741 - Electric Power Distribution System Engineering
- ECG 742 - Power System Stability and Control
- ECG 743 - Smart Electrical Power Grid

Signal Processing

- ECG 680 - Discrete-Time Signal Processing
- ECG 760 - Random Processes in Engineering Problems
- ECG 762 - Detection and Estimation of Signals in Noise
- ECG 781 - Digital Filters
- ECG 782 - Multidimensional Digital Signal Processing
- ECG 783 - Adaptive Signal Processing with Neural Networks

Solid State Electronics

- ECG 651 - Electronic and Magnetic Materials and Devices
- ECG 652 - Optoelectronics
- ECG 653 - Introduction to Nanotechnology
- ECG 750 - Photonics
- ECG 752 - Physical Electronics
- ECG 753 - Advanced Topics in Semiconductor Devices I
- ECG 755 - Monolithic Integrated Circuit Fabrication
- ECG 756 - Advanced Topics in Semiconductor Devices II
- ECG 757 - Electron Transport Phenomena in Solid State Devices
- ECG 758 - Numerical Methods in Engineering

Additional Core Courses – Credits: 0-9

Complete 0-9 credits of additional core courses from the core courses in any of the areas listed above.

Elective Courses – Credits: 0-6

Complete 0-6 credits of 600- or 700-level MAT, PHY, AST, CEE, CEM, ECG, EGG, CS, ME, or other advisor-approved courses.

- Thesis – Credits: 6
- ECG 797 - Electrical Engineering Thesis

Total Credits Shared: 6

Two courses can be double counted between Electrical Engineering M.S.E and Mathematical Sciences M.S. degrees. Non-ECG courses must be applied towards non-ECG elective credits in the electrical engineering degree program pursued.

Degree Requirements

1. A minimum of 45, 48, 51, or 54 credits (including thesis credits) of graduate work is required for the Dual Electrical Engineering M.S.E. and Mathematical Sciences M.S. which corresponds to the choice of completing a Mathematics comprehensive exam or thesis, and the number of credits of formally approved graduate level courses applied toward the B.S. degree and used in the Electrical Engineering Integrated BS-MS Track.
2. Two of the courses included in the degree program can be double counted Electrical Engineering M.S.E and Mathematical Sciences M.S. degrees. Non-ECG courses must be applied towards non-ECG elective credits in the electrical engineering degree program pursued.

Mathematical Sciences M.S.

1. Students completing a thesis must complete a minimum of 33 credit hours with a minimum GPA of 3.00.
2. Students completing the comprehensive exam must complete a minimum of 30 credit hours with a minimum GPA of 3.00.
3. 21 credits of mathematics course work must be at the 700-level (excluding thesis)
4. A student will be placed on academic probation if a minimum of 3.00 GPA is not maintained in all work taken in the degree program. A grade of C or less in one graduate-level course will cause a student to be placed on academic probation and will elicit a critical review of the student's program by the Graduate Studies Committee.
5. The Graduate College requires a minimum of 50 percent of the total credits required to complete the graduate degree, exclusive of transferred credits and/or the thesis, must be earned at UNLV after admission to a graduate degree program.
6. Students must complete a final examination. This will be either an examination to defend the thesis or a written comprehensive examination based on requirements 1 and 2.
7. If the thesis option is chosen: In consultation with his/her advisor, a student will organize a dissertation committee of at least three departmental members. In addition, a fourth member from outside the department, known as the Graduate College Representative, must be appointed. An additional committee member may be added at the student and department's discretion.

Please see Graduate College policy for committee appointment guidelines.

Electrical Engineering M.S.E.

1. Students must satisfy the M.S.E. - Electrical Engineering degree program admission requirements and be admitted to the M.S.E. - Electrical Engineering program with regular full graduate standing status, having met all conditions and provisions.
2. Total credits required depends on the total number of approved graduate-level course work taken as technical electives (with a grade of B or better) during the senior year.
3. Complete a minimum of 21, 24, or 27 credits (including thesis credits) in the Integrated BS-MS track program respectively corresponding to 9, 6, or 3 credits of formally approved graduate level courses applied toward the B.S. degree yielding a total of 30 course credits. The final division of major, minor, and elective credits will be determined in consultation with the student's advisor.
4. Students must complete all courses with an overall minimum GPA of 3.00 (B), a minimum GPA of 3.00 (B) each semester, and a minimum GPA of 2.70 (B-) in each class applied towards the 30 credits. Grades below B- are not counted towards the M.S.E. degree and must be repeated or replaced.
5. Students who do not maintain an overall GPA of 3.00 (B), a GPA of 3.00 (B) each semester, or who earn more than one grade below B- will either be placed on probation or expelled from the program. The Electrical and Computer Engineering Graduate Committee and/or the Graduate College will determine the terms of the student's probation in accordance with the rules of the Graduate College.
6. At the time of admission or no later than the first semester, the candidate must formally petition BOTH the graduate college and the ECE graduate committee to accept transfer credits and credits taken as a non-degree seeking graduate student to be applied to the M.S.E. program.
7. Students must select a faculty advisor in their first semester.
8. A minimum of 18 credits must be in core (formal) electrical engineering courses, of which 15 credits must be 700-level. This excludes Thesis credits, and informal courses (such as Special Topics, Graduate Seminar, and Independent Study).
9. No more than 3 credits may be from Independent Study (which cumulatively includes Graduate Seminar) and no more than a total of 6 credits of the combination of Independent Study, Graduate Seminar, and Graduate Special Topics may be applied towards the M.S.E. degree program.
10. In consultation with his/her advisor, a student

will organize a thesis committee of at least three departmental members. In addition, a fourth member from outside the department, known as the Graduate College Representative, must be appointed. An additional committee member may be added at the student and department's discretion. Please see Graduate College policy for committee appointment guidelines.

11. Students must complete a thesis.

1. Students must complete at least 6 credits of Thesis which culminates in the successful completion of a thesis oral exam and the submission of an approved thesis. Although Electrical Engineering Thesis can be taken repeatedly, no more than 6 credits can be applied towards the 30 credits required for the M.S.E. degree.

2. Before beginning a thesis, students must have their thesis topic approved by their advisor, and the necessary paper work must be filed with the Graduate College. The thesis prospectus describes the thesis topic and must include an introductory set of sentences, a well formed hypothesis or hypotheses (specifically italicized in the prospectus) accompanied by a motivation, objectives with major and alternative approaches to the studies, and conjectures of possible outcomes. Students are NOT allowed to take thesis credits until their thesis prospectus is approved. Credits taken before the approval date will NOT count towards the degree program.

3. The student must complete a thesis containing original research and publically defend it before his/her advisory committee at the Thesis Exam.

4. Prior to the student's defense of the thesis before his/her advisory committee, the student must submit a complete copy of the thesis to each member of his/her advisory committee. This submission must occur at least two weeks prior to the date of the oral defense. The student must also notify each member of his/her advisory committee of the date, time and location of the oral defense of the thesis or project at least two weeks in advance.

5. Students who plan to continue their studies beyond the M.S.E. degree program are strongly encouraged to select this option.

12. A full graduate standing master's degree candidate who is interested in pursuing a doctoral degree may be allowed to take the Ph.D. qualifying exam without penalty during his/her period as an M.S.E. student. The exam may be taken as many times as desired but no more than once a semester at the time the exam is typically offered. The M.S.E. candidate must pass four areas of choice in a single sitting to satisfy the Qualifying Exam requirement. If the student successfully completes the Qualifying Exam requirement while pursuing the M.S.E. degree in

Electrical Engineering with a thesis option in the Electrical and Computer Engineering department at UNLV, the student will have automatically fulfilled the Qualifying Exam requirement upon admission to the Ph.D. program in the Electrical and Computer Engineering program at UNLV. Once the student receives an M.S. degree in the field of Electrical Engineering, the student must abide by the requirements outlined in the Ph.D. program. This option is not available to non-degree students.

Graduation Requirements

1. Students cannot graduate from one portion of the dual degree until the requirements for both are met. Students must apply to graduate from both programs for the same semester.
2. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.

Mathematical Sciences M.S.

1. The student must successfully complete a culminating experience.
2. If the exam option is chosen, the student must successfully pass a final comprehensive examination.
3. If the thesis option is chosen, the student must:
 1. Submit and successfully defend his/her thesis by the posted deadline. The defense must be advertised and is open to the public.
 2. After the thesis defense, the student must electronically submit a properly formatted pdf copy of their thesis to the Graduate College for format check. Once the thesis format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for thesis defenses, format check submissions, and the final ProQuest submission can be found here.

Electrical Engineering M.S.E.

- The student must submit and successfully defend his/her thesis by the posted deadline. The defense must be advertised and is open to the public.
- After the thesis defense, the student must electronically submit a properly formatted pdf copy of their thesis to the Graduate College for format check. Once the thesis format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for thesis defenses, format check submissions, and the final ProQuest submission can be found here.

Plan Graduation Requirements

Refer to your subplan for Graduation Requirements.

Dual Degree: Doctor of Philosophy - Electrical Engineering & Master of Science - Mathematical Sciences

Plan Description

The dual Ph.D. EE and M.S. MAT program of study is designed for those who want to pursue a Ph.D. degree in Electrical Engineering or a career in Electrical Engineering with emphasis in applied mathematics. The program prepares graduate students with complementing educational components covering electrical engineering and mathematics, which is the basis of all engineering.

The culminating experience in the Ph.D. program in the Department of Electrical and Computer Engineering is centered about developing new knowledge focused around a specific theme embodied in the form a well-written and orally defended dissertation. The Department of Electrical and Computer Engineering at UNLV offers a number of program options leading to the Ph.D. degree in the Field of Electrical Engineering. Specific major areas of study currently available include: Communications, Computer Engineering, Control System Theory, Electromagnetics and Optics, Electronics, Power Systems, Signal Processing, and Solid State Materials and Devices.

For more information about your program, including your graduate program handbook and learning outcomes, please visit the Degree Directory.

Learning outcomes for each degree can be found below:

Doctor of Philosophy - Electrical Engineering

Master of Science - Mathematical Sciences

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

Applicants are considered on an individual basis. All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.

Applicants must satisfy the minimum requirements of the Ph.D. – Electrical Engineering program, and the M.S. – Mathematics program. If denied by one program, the applicant will have the option of proceeding with a single degree program with departmental approval.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

See Subplan Requirements below.

Subplan 1 Requirements: Post-Master's Track

Total Credits Required: 69-72

Course Requirements

Total Credits Required for the Mathematical Sciences M.S.: 30-33

Required Courses – Credits: 6

Complete two of the following courses:

- MAT 707 - Real Analysis I
- MAT 709 - Complex Function Theory I
- MAT 765 - Advanced Numerical Analysis

Elective Courses – Credits: 21-24

Students completing the exam option must complete a minimum of 24 credits of MAT or STA elective courses (excluding MAT 711 & 712), and students completing the thesis option must complete a minimum of 21 credits of MAT or STA elective courses (excluding MAT 711 & 712). Other graduate-level courses may be taken with advisor-approval.

Thesis – Credits: 6 (Optional)

Complete 6 credits from one of the following courses:

- MAT 791 - Thesis
- STA 791 - Thesis

Total Credits Required for the Electrical Engineering Ph.D.: 45

Major Field Courses – Credits: 6-15

Complete 6-15 credits of coursework in an approved major in a single area in Electrical and Computer Engineering with a minimum overall average GPA of 3.33.

Communications

- ECG 662 - Digital Communication Systems
- ECG 666 - Wireless and Mobile Communication Systems
- ECG 704 - Coding with Applications in Computers and Communication Media
- ECG 706 - Analysis of Telecommunication and Data Networks
- ECG 760 - Random Processes in Engineering Problems
- ECG 762 - Detection and Estimation of Signals in Noise
- ECG 763 - Advanced Digital Communication Systems

Computer Engineering

- ECG 600 - Computer Communication Networks
- ECG 604 - Modern Processor Architecture
- ECG 605 - Data Compression Systems

- ECG 607 - Biometrics
- ECG 608 - Digital Design Verification and Testing
- ECG 609 - Embedded Digital Signal Processing
- ECG 700 - Advanced Computer System Architecture
- ECG 701 - Reliable Design of Digital Systems
- ECG 702 - Interconnection Networks for Parallel Processing Applications
- ECG 704 - Coding with Applications in Computers and Communication Media
- ECG 706 - Analysis of Telecommunication and Data Networks
- ECG 707 - Logic Synthesis Engineering
- ECG 709 - Synthesis and Optimization of Digital Systems

Control Systems Theory

- ECG 672 - Digital Control Systems
- ECG 770 - Linear Systems
- ECG 771 - Optimal and Modern Control
- ECG 772 - Nonlinear Systems
- ECG 774 - Stochastic Control
- ECG 776 - Adaptive Control

Electromagnetics and Optics

- ECG 630 - Transmission Lines
- ECG 631 - Engineering Optics
- ECG 632 - Antenna Engineering
- ECG 633 - Active and Passive Microwave Engineering
- ECG 730 - Advanced Engineering Electromagnetics I
- ECG 731 - Theoretical Techniques in Electromagnetics
- ECG 732 - Advanced Engineering Electromagnetics II
- ECG 733 - Plasma I

Electronics

- ECG 620 - Analog Integrated Circuit Design
- ECG 621 - Digital Integrated Circuit Design
- ECG 720 - Advanced Analog IC Design
- ECG 721 - Memory Circuit Design
- ECG 722 - Mixed-Signal Circuit Design
- Power Engineering
- ECG 642 - Power Electronics
- ECG 646 - Photovoltaic Devices and Systems
- ECG 740 - Computer Analysis Methods for Power Systems

- ECG 741 - Electric Power Distribution System Engineering
- ECG 742 - Power System Stability and Control
- ECG 743 - Smart Electrical Power Grid

Signal Processing

- ECG 680 - Discrete-Time Signal Processing
- ECG 760 - Random Processes in Engineering Problems
- ECG 762 - Detection and Estimation of Signals in Noise
- ECG 781 - Digital Filters
- ECG 782 - Multidimensional Digital Signal Processing
- ECG 783 - Adaptive Signal Processing with Neural Networks

Solid State Electronics

- ECG 651 - Electronic and Magnetic Materials and Devices
- ECG 652 - Optoelectronics
- ECG 653 - Introduction to Nanotechnology
- ECG 750 - Photonics
- ECG 752 - Physical Electronics
- ECG 753 - Advanced Topics in Semiconductor Devices I
- ECG 755 - Monolithic Integrated Circuit Fabrication
- ECG 756 - Advanced Topics in Semiconductor Devices II
- ECG 757 - Electron Transport Phenomena in Solid State Devices
- ECG 758 - Numerical Methods in Engineering

Minor Fields Courses – Credits: 6-18

Select two advisor-approved minor fields and complete coursework in each single area totaling 6-18 credits, with a minimum overall average GPA of 3.33. The secondary minor can be from a field outside Electrical Engineering.

Communications

- ECG 662 - Digital Communication Systems
- ECG 666 - Wireless and Mobile Communication Systems
- ECG 760 - Random Processes in Engineering Problems
- ECG 762 - Detection and Estimation of Signals in Noise

Computer Engineering

- ECG 600 - Computer Communication Networks
- ECG 604 - Modern Processor Architecture

- ECG 605 - Data Compression Systems
- ECG 607 - Biometrics
- ECG 608 - Digital Design Verification and Testing
- ECG 609 - Embedded Digital Signal Processing
- ECG 700 - Advanced Computer System Architecture
- ECG 701 - Reliable Design of Digital Systems
- ECG 702 - Interconnection Networks for Parallel Processing Applications
- ECG 704 - Coding with Applications in Computers and Communication Media
- ECG 706 - Analysis of Telecommunication and Data Networks
- ECG 707 - Logic Synthesis Engineering
- ECG 709 - Synthesis and Optimization of Digital Systems

Control Systems Theory

- ECG 770 - Linear Systems
- ECG 771 - Optimal and Modern Control
- ECG 772 - Nonlinear Systems
- ECG 774 - Stochastic Control
- ECG 776 - Adaptive Control

Electromagnetics and Optics

- ECG 630 - Transmission Lines
- ECG 631 - Engineering Optics
- ECG 632 - Antenna Engineering
- ECG 633 - Active and Passive Microwave Engineering
- ECG 730 - Advanced Engineering Electromagnetics I
- ECG 731 - Theoretical Techniques in Electromagnetics
- ECG 732 - Advanced Engineering Electromagnetics II
- ECG 733 - Plasma I

Electronics

- ECG 620 - Analog Integrated Circuit Design
- ECG 621 - Digital Integrated Circuit Design
- ECG 720 - Advanced Analog IC Design
- ECG 721 - Memory Circuit Design
- ECG 722 - Mixed-Signal Circuit Design

Power Engineering

- ECG 642 - Power Electronics
- ECG 646 - Photovoltaic Devices and Systems
- ECG 740 - Computer Analysis Methods for Power Systems

- ECG 741 - Electric Power Distribution System Engineering
- ECG 742 - Power System Stability and Control
- ECG 743 - Smart Electrical Power Grid

Signal Processing

- ECG 680 - Discrete-Time Signal Processing
- ECG 760 - Random Processes in Engineering Problems
- ECG 762 - Detection and Estimation of Signals in Noise
- ECG 781 - Digital Filters
- ECG 782 - Multidimensional Digital Signal Processing
- ECG 783 - Adaptive Signal Processing with Neural Networks

Solid State Electronics

- ECG 651 - Electronic and Magnetic Materials and Devices
- ECG 652 - Optoelectronics
- ECG 653 - Introduction to Nanotechnology
- ECG 750 - Photonics
- ECG 752 - Physical Electronics
- ECG 753 - Advanced Topics in Semiconductor Devices I
- ECG 755 - Monolithic Integrated Circuit Fabrication
- ECG 756 - Advanced Topics in Semiconductor Devices II
- ECG 757 - Electron Transport Phenomena in Solid State Devices
- ECG 758 - Numerical Methods in Engineering

Elective Courses – Credits: 0-12

Complete 0-12 credits of 600- or 700-level MAT, PHY, AST, CEE, CEM, ECG, EGG, CS, ME, or other advisor-approved courses.

Dissertation – Credits: 18

- ECG 799 - Dissertation
- Total Credits Shared: 6

Two courses can be double counted between Electrical Engineering Ph.D. and Mathematical Sciences M.S. degrees. Non-ECG courses must be applied towards non-ECG elective credits in the electrical engineering degree program pursued.

Degree Requirements

1. A minimum 69 or 72 credits (including thesis and dissertation credits) is required for the Dual Electrical Engineering Ph.D. and Mathematical Sciences M.S.

which corresponds to the choice of completing a Mathematics comprehensive exam or thesis.

2. Two of the courses included in the degree program can be double counted in the Electrical Engineering Ph.D. and Mathematical Sciences M.S. degrees. Non-ECG courses must be applied towards non-ECG elective credits in the electrical engineering degree program pursued.

Mathematical Sciences M.S

1. Students completing a thesis must complete a minimum of 33 credit hours with a minimum GPA of 3.00.
2. Students completing the comprehensive exam must complete a minimum of 30 credit hours with a minimum GPA of 3.00.
3. For the master's degree 21 credits of mathematics course work must be at the 700-level (excluding thesis).
4. A student will be placed on academic probation if a minimum of 3.00 GPA is not maintained in all work taken in the degree program. A grade of C or less in one graduate-level course will cause a student to be placed on academic probation and will elicit a critical review of the student's program by the Graduate Studies Committee.
5. The Graduate College requires a minimum of 50 percent of the total credits required to complete the graduate degree, exclusive of transferred credits and/or the thesis, must be earned at UNLV after admission to a graduate degree program.
6. Students must complete a final examination. This will be either an examination to defend the thesis or a written comprehensive examination based on requirements 1 and 2.
7. If the thesis option is chosen: In consultation with his/her advisor, a student will organize a dissertation committee of at least three departmental members. In addition, a fourth member from outside the department, known as the Graduate College Representative, must be appointed. An additional committee member may be added at the student and department's discretion. Please see Graduate College policy for committee appointment guidelines.

Electrical Engineering Ph.D.

1. All Ph.D. students must satisfy the Ph.D. degree program admission requirements and be admitted to the Ph.D. program on a regular status.
2. Complete a minimum of 27 credits of graduate level courses (excluding dissertation credits) with an overall minimum GPA of 3.20 and a minimum GPA of 2.70 (B-) in each class applied towards the 27 credits. The final division of major, minor, and elective credits will be determined in consultation with the student's advisor.

3. Of the 27 required credits, a minimum of 18 credits must be in 700-level courses. Of these 18 credits, a minimum of 15 must be from formal courses. The student's doctoral advisory committee may add more requirements in accordance with the individual's background and field of study.
4. No more than 3 credits may be from Graduate Independent Study together with Graduate Seminar. No more than 6 credits of a combination of informal courses such as Graduate Independent Study, Special Topics, and Seminar may be applied to the degree program.
5. Beyond the Bachelor degree, a Ph.D. student must complete a minimum of 15 credits in an approved ECE major field, 9 credits an approved ECE minor (primary minor) field, and 9 credits in a second approved open minor (secondary minor) field. Of the 15 credits required in the ECE major field, a minimum of 9 credits must be completed in 700-level courses. A minimum GPA of 3.33 (B+=3.30) must be obtained in the major field. Of the 9 required credits in each minor field, a minimum of 6 credits must be in 700-level courses. A minimum GPA of 3.33 (B+=3.30) must be obtained in each of the minor fields.
6. Informal courses (Graduate Independent Study, Graduate Seminar, and Special Topics) cannot be applied to the ECE major, ECE minor (primary minor) and the open minor (secondary minor) fields.
7. At the time of admission or no later than the first semester, the Ph.D. candidate must formally petition BOTH the graduate college and the ECE graduate committee to accept transfer credits and credits taken as a non-degree seeking graduate student to be applied to the Ph.D. program.
8. All regular (full graduate standing) status graduate students must select a faculty advisor in their first semester.
9. Maintain a minimum overall grade point average (GPA) of 3.20, must maintain a minimum GPA of 3.20 each semester, and must complete all graduate level courses that apply towards their degree with a minimum GPA of 2.70 (B-) in each course. Grades below B- cannot be applied towards the Ph.D. degree and must be repeated or replaced. A class grade below C (2.0) is grounds for initiating a program separation recommendation to the Graduate College. Ph.D. candidates who do not maintain an overall minimum GPA of 3.2, who do not maintain a minimum GPA of 3.2 each semester, or who earn more than one grade below B- will be placed on academic probation or expelled from the program. The Electrical and Computer Engineering Graduate Committee in conjunction with the Graduate College will determine the terms of the student's probation based upon the student's academic record and in accordance with the rules of the Graduate College.

10. All regular (full graduate standing) status graduate students must file an approved program before the completion of their third semester. This program must be approved by the student's advisor and the graduate coordinator. All regular and provisional status graduate students must show satisfactory progress towards completion of their degree by completing at least six credits of their approved program per calendar year. If their progress towards their degree program is not satisfactory, students will either be put on probation or expelled from the program.

11. Before beginning a dissertation, students must have their dissertation topic approved by their advisor, and the necessary paper work including a dissertation prospectus must be filed with the Graduate College by the end of the third semester. The dissertation prospectus describes the dissertation topic and must include an introductory set of sentences, a well formed hypothesis or hypotheses (specifically italicized in the prospectus) accompanied by a motivation, objectives with major and alternative approaches to the studies, and conjectures of possible outcomes. Students are NOT allowed to take dissertation credits until their prospectus is approved. Credits taken before the approval date will NOT count towards the degree program.

Graduation Requirements

See Plan Graduation Requirements below.

Subplan 2 Requirements: Post-Bachelor's Track

Total Credits Required: 93-96

Course Requirements

Total Credits Required for the Mathematical Sciences M.S.: 30-33

Required Courses – Credits: 6

Complete two of the following courses:

- MAT 707 - Real Analysis I
- MAT 709 - Complex Function Theory I
- MAT 765 - Advanced Numerical Analysis

Elective Courses – Credits: 21-24

Students completing the exam option must complete a minimum of 24 credits of MAT or STA elective courses (excluding MAT 711 & 712), and students completing the thesis option must complete a minimum of 21 credits of MAT or STA elective courses (excluding MAT 711 & 712). Other graduate-level courses may be taken with advisor approval.

Thesis – Credits: 6 (Optional)

Complete 6 credits from one of the following courses:

- MAT 791 - Thesis
- STA 791 - Thesis

Total Credits Required for the Electrical Engineering Ph.D.: 69

Major Field Courses – Credits: 15

Complete 15 credits of coursework in an approved major in a single area in Electrical and Computer Engineering with a minimum overall GPA of 3.33. A minimum of 9 credits must be in 700-level courses.

Communications

- ECG 662 - Digital Communication Systems
- ECG 666 - Wireless and Mobile Communication Systems
- ECG 704 - Coding with Applications in Computers and Communication Media
- ECG 706 - Analysis of Telecommunication and Data Networks
- ECG 760 - Random Processes in Engineering Problems
- ECG 762 - Detection and Estimation of Signals in Noise
- ECG 763 - Advanced Digital Communication Systems

Computer Engineering

- ECG 600 - Computer Communication Networks
- ECG 604 - Modern Processor Architecture
- ECG 605 - Data Compression Systems
- ECG 607 - Biometrics
- ECG 608 - Digital Design Verification and Testing
- ECG 609 - Embedded Digital Signal Processing
- ECG 700 - Advanced Computer System Architecture
- ECG 701 - Reliable Design of Digital Systems
- ECG 702 - Interconnection Networks for Parallel Processing Applications
- ECG 704 - Coding with Applications in Computers and Communication Media
- ECG 706 - Analysis of Telecommunication and Data Networks
- ECG 707 - Logic Synthesis Engineering
- ECG 709 - Synthesis and Optimization of Digital Systems

Control Systems Theory

- ECG 672 - Digital Control Systems
- ECG 770 - Linear Systems
- ECG 771 - Optimal and Modern Control
- ECG 772 - Nonlinear Systems
- ECG 774 - Stochastic Control

- ECG 776 - Adaptive Control

Electromagnetics and Optics

- ECG 630 - Transmission Lines
- ECG 631 - Engineering Optics
- ECG 632 - Antenna Engineering
- ECG 633 - Active and Passive Microwave Engineering
- ECG 730 - Advanced Engineering Electromagnetics I
- ECG 731 - Theoretical Techniques in Electromagnetics
- ECG 732 - Advanced Engineering Electromagnetics II
- ECG 733 - Plasma I

Electronics

- ECG 620 - Analog Integrated Circuit Design
- ECG 621 - Digital Integrated Circuit Design
- ECG 720 - Advanced Analog IC Design
- ECG 721 - Memory Circuit Design
- ECG 722 - Mixed-Signal Circuit Design

Power Engineering

- ECG 642 - Power Electronics
- ECG 646 - Photovoltaic Devices and Systems
- ECG 740 - Computer Analysis Methods for Power Systems
- ECG 741 - Electric Power Distribution System Engineering
- ECG 742 - Power System Stability and Control
- ECG 743 - Smart Electrical Power Grid

Signal Processing

- ECG 680 - Discrete-Time Signal Processing
- ECG 760 - Random Processes in Engineering Problems
- ECG 762 - Detection and Estimation of Signals in Noise
- ECG 781 - Digital Filters
- ECG 782 - Multidimensional Digital Signal Processing
- ECG 783 - Adaptive Signal Processing with Neural Networks

Solid State Electronics

- ECG 651 - Electronic and Magnetic Materials and Devices
- ECG 652 - Optoelectronics
- ECG 653 - Introduction to Nanotechnology

- ECG 750 - Photonics
- ECG 752 - Physical Electronics
- ECG 753 - Advanced Topics in Semiconductor Devices I
- ECG 755 - Monolithic Integrated Circuit Fabrication
- ECG 756 - Advanced Topics in Semiconductor Devices II
- ECG 757 - Electron Transport Phenomena in Solid State Devices
- ECG 758 - Numerical Methods in Engineering

Minor Fields Courses – Credits: 18

Select two advisor-approved minor fields and complete 9 credits of coursework in each single area with a minimum overall average GPA of 3.33. A minimum of 6 credits in each area must be in 700-level courses. The secondary minor can be from a field outside Electrical Engineering.

Communications

- ECG 662 - Digital Communication Systems
- ECG 666 - Wireless and Mobile Communication Systems
- ECG 760 - Random Processes in Engineering Problems
- ECG 762 - Detection and Estimation of Signals in Noise

Computer Engineering

- ECG 600 - Computer Communication Networks
- ECG 604 - Modern Processor Architecture
- ECG 605 - Data Compression Systems
- ECG 607 - Biometrics
- ECG 608 - Digital Design Verification and Testing
- ECG 609 - Embedded Digital Signal Processing
- ECG 700 - Advanced Computer System Architecture
- ECG 701 - Reliable Design of Digital Systems
- ECG 702 - Interconnection Networks for Parallel Processing Applications
- ECG 704 - Coding with Applications in Computers and Communication Media
- ECG 706 - Analysis of Telecommunication and Data Networks
- ECG 707 - Logic Synthesis Engineering
- ECG 709 - Synthesis and Optimization of Digital Systems

Control Systems Theory

- ECG 770 - Linear Systems
- ECG 771 - Optimal and Modern Control

- ECG 772 - Nonlinear Systems
- ECG 774 - Stochastic Control
- ECG 776 - Adaptive Control

Electromagnetics and Optics

- ECG 630 - Transmission Lines
- ECG 631 - Engineering Optics
- ECG 632 - Antenna Engineering
- ECG 633 - Active and Passive Microwave Engineering
- ECG 730 - Advanced Engineering Electromagnetics I
- ECG 731 - Theoretical Techniques in Electromagnetics
- ECG 732 - Advanced Engineering Electromagnetics II
- ECG 733 - Plasma I

Electronics

- ECG 620 - Analog Integrated Circuit Design
- ECG 621 - Digital Integrated Circuit Design
- ECG 720 - Advanced Analog IC Design
- ECG 721 - Memory Circuit Design
- ECG 722 - Mixed-Signal Circuit Design

Power Engineering

- ECG 642 - Power Electronics
- ECG 646 - Photovoltaic Devices and Systems
- ECG 740 - Computer Analysis Methods for Power Systems
- ECG 741 - Electric Power Distribution System Engineering
- ECG 742 - Power System Stability and Control
- ECG 743 - Smart Electrical Power Grid

Signal Processing

- ECG 680 - Discrete-Time Signal Processing
- ECG 760 - Random Processes in Engineering Problems
- ECG 762 - Detection and Estimation of Signals in Noise
- ECG 781 - Digital Filters
- ECG 782 - Multidimensional Digital Signal Processing
- ECG 783 - Adaptive Signal Processing with Neural Networks

Solid State Electronics

- ECG 651 - Electronic and Magnetic Materials and Devices
- ECG 652 - Optoelectronics

- ECG 653 - Introduction to Nanotechnology
- ECG 750 - Photonics
- ECG 752 - Physical Electronics
- ECG 753 - Advanced Topics in Semiconductor Devices I
- ECG 755 - Monolithic Integrated Circuit Fabrication
- ECG 756 - Advanced Topics in Semiconductor Devices II
- ECG 757 - Electron Transport Phenomena in Solid State Devices
- ECG 758 - Numerical Methods in Engineering

700-Level Elective Courses – Credits: 12

Complete 12 credits of 700-level MAT, PHY, AST, CEE, CEM, ECG, EGG, CS, ME, or other advisor-approved courses.

Elective Courses – Credits: 6

Complete 6 credits of 600- or 700-level MAT, PHY, AST, CEE, CEM, ECG, EGG, CS, ME, or other advisor-approved courses.

Dissertation – Credits: 18

- ECG 799 - Dissertation

Total Credits Shared: 6

Two courses can be double counted between Electrical Engineering Ph.D. and Mathematical Sciences M.S. degrees. Non-ECG courses must be applied towards non-ECG elective credits in the electrical engineering degree program pursued.

Degree Requirements

1. A minimum 93 or 96 credits (including thesis and dissertation credits) is required for the Dual Electrical Engineering Ph.D. and Mathematical Sciences M.S. which corresponds to the choice of completing a Mathematics comprehensive exam or thesis.
2. Two of the courses included in the degree program can be double counted Electrical Engineering M.S.E and Mathematical Sciences M.S. degrees. Non-ECG courses must be applied towards non-ECG elective credits in the electrical engineering degree program pursued.

Mathematical Sciences M.S

1. Students completing a thesis must complete a minimum of 33 credit hours with a minimum GPA of 3.00.
2. Students completing the comprehensive exam must complete a minimum of 30 credit hours with a minimum GPA of 3.00.
3. 21 credits of mathematics course work must be at the 700-level (excluding thesis).

4. A student will be placed on academic probation if a minimum of 3.00 GPA is not maintained in all work taken in the degree program. A grade of C or less in one graduate-level course will cause a student to be placed on academic probation and will elicit a critical review of the student's program by the Graduate Studies Committee.
5. The Graduate College requires a minimum of 50 percent of the total credits required to complete the graduate degree, exclusive of transferred credits and/or the thesis, must be earned at UNLV after admission to a graduate degree program.
6. Students must complete a final examination. This will be either an examination to defend the thesis or a written comprehensive examination based on requirements 1 and 2.
7. If the thesis option is chosen: In consultation with his/her advisor, a student will organize a dissertation committee of at least three departmental members. In addition, a fourth member from outside the department, known as the Graduate College Representative, must be appointed. An additional committee member may be added at the student and department's discretion. Please see Graduate College policy for committee appointment guidelines.

Electrical Engineering Ph.D.

1. All Ph.D. students must satisfy the Ph.D. degree program admission requirements and be admitted to the Ph.D. program on a regular status.
2. Complete a minimum of 51 credits (24 M.S.E. credits + 27 Post-Master's Track credits) of graduate level courses (excluding dissertation credits) with an overall minimum GPA of 3.20 and a minimum GPA of 2.70 (B-) in each class applied towards the 27 credits.
3. Of the 51 required credits, a minimum of 33 credits must be in 700-level courses. Of these 33 credits, a minimum of 30 must be from formal courses. The student's doctoral advisory committee may add more requirements in accordance with the individual's background and field of study.
4. No more than 6 credits may be from Graduate Independent Study together with Graduate Seminar. No more than 12 credits of a combination of informal courses such as Graduate Independent Study, Special Topics, and Seminar may be applied to the degree program.
5. Complete a minimum of 15 credits in an approved ECE major field, 9 credits an approved ECE minor (primary minor) field, and 9 credits in a second approved open minor (secondary minor) field. Of the 15 credits required in the ECE major field, a minimum of 9 credits must be completed in 700-level courses. A minimum GPA of 3.33 (B+=3.30) must be obtained in the major field. Of the 9 required credits in each minor field, a minimum of 6 credits must be in 700-level

courses. A minimum GPA of 3.33 (B+=3.30) must be obtained in each of the minor fields.

6. Informal courses (Graduate Independent Study, Graduate Seminar, and Special Topics) cannot be applied to the ECE major, ECE minor (primary minor) and the open minor (secondary minor) fields.
7. At the time of admission or no later than the first semester, the Ph.D. candidate must formally petition BOTH the graduate college and the ECE graduate committee to accept transfer credits and credits taken as a non-degree seeking graduate student to be applied to the Ph.D. program.
8. All regular (full graduate standing) status graduate students must select a faculty advisor in their first semester.
9. Students on academic probation may be transferred to the M.S.E. Program depending on the student's academic record. In such a case, the M.S.E. Program requirements must be satisfied. For example, only 6 credits of the informal courses may be applied to the M.S.E. degree program with the further constraint that up to 3 credits total of Independent Study in combination with Graduate Seminar may be in the 6 credits.
10. Maintain a minimum overall grade point average (GPA) of 3.20, must maintain a minimum GPA of 3.20 each semester, and must complete all graduate level courses that apply towards their degree with a minimum GPA of 2.70 (B-) in each course. Grades below B- cannot be applied towards the Ph.D. degree and must be repeated or replaced. A class grade below C (2.0) is grounds for initiating a program separation recommendation to the Graduate College. Ph.D. candidates who do not maintain an overall minimum GPA of 3.2, who do not maintain a minimum GPA of 3.2 each semester, or who earn more than one grade below B- will be placed on academic probation or expelled from the program. The Electrical and Computer Engineering Graduate Committee and/or the Graduate College will determine the terms of the student's probation in accordance with the rules of the Graduate College.
11. All regular status graduate students must file an approved program before the completion of their third semester. This program must be approved by the student's advisor and the graduate coordinator. All regular and provisional status graduate students must show satisfactory progress towards completion of their degree by completing at least six credits of their approved program per calendar year. If their progress towards their degree program is not satisfactory, students will either be put on probation or expelled from the program.
12. Before beginning a dissertation, students must have their dissertation topic approved by their advisor, and the necessary paper work including a dissertation

prospectus must be filed with the Graduate College by the end of the third semester. The dissertation prospectus describes the dissertation topic and must include an introductory set of sentences, a well formed hypothesis or hypotheses (specifically italicized in the prospectus) accompanied by a motivation, objectives with major and alternative approaches to the studies, and conjectures of possible outcomes. Students are NOT allowed to take dissertation credits until their prospectus is approved. Credits taken before the approval date will NOT count towards the degree program.

Graduation Requirements

See Plan Graduation Requirements below.

Subplan 3 Requirements: Post-Bachelor's Integrated BS-PHD Track

Total Credits Required: 84-93

Course Requirements

Total Credits Required for the Mathematical Sciences M.S.: 30-33

Required Courses – Credits: 6

Complete two of the following courses:

- MAT 707 - Real Analysis I
- MAT 709 - Complex Function Theory I
- MAT 765 - Advanced Numerical Analysis

Elective Courses – Credits: 21-24

Students completing the exam option must complete a minimum of 24 credits of MAT or STA elective courses (excluding MAT 711 & 712), and students completing the thesis option must complete a minimum of 21 credits of MAT or STA elective courses (excluding MAT 711 & 712). Other graduate-level courses may be taken with advisor-approval.

Thesis – Credits: 6 (Optional)

Complete 6 credits from one of the following courses:

- MAT 791 - Thesis
- STA 791 - Thesis

Total Credits Required for the Electrical Engineering Ph.D.: 60-66

Major Field Courses – Credits: 6-15

Complete 6-15 credits of coursework in an approved major in a single area in Electrical and Computer Engineering with a minimum overall GPA of 3.33.

Communications

- ECG 662 - Digital Communication Systems
- ECG 666 - Wireless and Mobile Communication Systems
- ECG 704 - Coding with Applications in Computers

and Communication Media

- ECG 706 - Analysis of Telecommunication and Data Networks
- ECG 760 - Random Processes in Engineering Problems
- ECG 762 - Detection and Estimation of Signals in Noise
- ECG 763 - Advanced Digital Communication Systems

Computer Engineering

- ECG 600 - Computer Communication Networks
- ECG 604 - Modern Processor Architecture
- ECG 605 - Data Compression Systems
- ECG 607 - Biometrics
- ECG 608 - Digital Design Verification and Testing
- ECG 609 - Embedded Digital Signal Processing
- ECG 700 - Advanced Computer System Architecture
- ECG 701 - Reliable Design of Digital Systems
- ECG 702 - Interconnection Networks for Parallel Processing Applications
- ECG 704 - Coding with Applications in Computers and Communication Media
- ECG 706 - Analysis of Telecommunication and Data Networks
- ECG 707 - Logic Synthesis Engineering
- ECG 709 - Synthesis and Optimization of Digital Systems

Control Systems Theory

- ECG 672 - Digital Control Systems
- ECG 770 - Linear Systems
- ECG 771 - Optimal and Modern Control
- ECG 772 - Nonlinear Systems
- ECG 774 - Stochastic Control
- ECG 776 - Adaptive Control

Electromagnetics and Optics

- ECG 630 - Transmission Lines
- ECG 631 - Engineering Optics
- ECG 632 - Antenna Engineering
- ECG 633 - Active and Passive Microwave Engineering
- ECG 730 - Advanced Engineering Electromagnetics I
- ECG 731 - Theoretical Techniques in Electromagnetics
- ECG 732 - Advanced Engineering Electromagnetics II
- ECG 733 - Plasma I

Electronics

- ECG 620 - Analog Integrated Circuit Design
- ECG 621 - Digital Integrated Circuit Design
- ECG 720 - Advanced Analog IC Design
- ECG 721 - Memory Circuit Design
- ECG 722 - Mixed-Signal Circuit Design

Power Engineering

- ECG 642 - Power Electronics
- ECG 646 - Photovoltaic Devices and Systems
- ECG 740 - Computer Analysis Methods for Power Systems
- ECG 741 - Electric Power Distribution System Engineering
- ECG 742 - Power System Stability and Control
- ECG 743 - Smart Electrical Power Grid

Signal Processing

- ECG 680 - Discrete-Time Signal Processing
- ECG 760 - Random Processes in Engineering Problems
- ECG 762 - Detection and Estimation of Signals in Noise
- ECG 781 - Digital Filters
- ECG 782 - Multidimensional Digital Signal Processing
- ECG 783 - Adaptive Signal Processing with Neural Networks

Solid State Electronics

- ECG 651 - Electronic and Magnetic Materials and Devices
- ECG 652 - Optoelectronics
- ECG 653 - Introduction to Nanotechnology
- ECG 750 - Photonics
- ECG 752 - Physical Electronics
- ECG 753 - Advanced Topics in Semiconductor Devices I
- ECG 755 - Monolithic Integrated Circuit Fabrication
- ECG 756 - Advanced Topics in Semiconductor Devices II
- ECG 757 - Electron Transport Phenomena in Solid State Devices
- ECG 758 - Numerical Methods in Engineering

Minor Fields Courses – Credits: 9-18

Select two advisor-approved minor fields and complete coursework in each single area totaling 9-18 credits, with a minimum overall average GPA of 3.33. The secondary

minor can be from a field outside Electrical Engineering.

Communications

- ECG 662 - Digital Communication Systems
- ECG 666 - Wireless and Mobile Communication Systems
- ECG 760 - Random Processes in Engineering Problems
- ECG 762 - Detection and Estimation of Signals in Noise

Computer Engineering

- ECG 600 - Computer Communication Networks
- ECG 604 - Modern Processor Architecture
- ECG 605 - Data Compression Systems
- ECG 607 - Biometrics
- ECG 608 - Digital Design Verification and Testing
- ECG 609 - Embedded Digital Signal Processing
- ECG 700 - Advanced Computer System Architecture
- ECG 701 - Reliable Design of Digital Systems
- ECG 702 - Interconnection Networks for Parallel Processing Applications
- ECG 704 - Coding with Applications in Computers and Communication Media
- ECG 706 - Analysis of Telecommunication and Data Networks
- ECG 707 - Logic Synthesis Engineering
- ECG 709 - Synthesis and Optimization of Digital Systems

Control Systems Theory

- ECG 770 - Linear Systems
- ECG 771 - Optimal and Modern Control
- ECG 772 - Nonlinear Systems
- ECG 774 - Stochastic Control
- ECG 776 - Adaptive Control

Electromagnetics and Optics

- ECG 630 - Transmission Lines
- ECG 631 - Engineering Optics
- ECG 632 - Antenna Engineering
- ECG 633 - Active and Passive Microwave Engineering
- ECG 730 - Advanced Engineering Electromagnetics I
- ECG 731 - Theoretical Techniques in Electromagnetics
- ECG 732 - Advanced Engineering Electromagnetics II

- ECG 733 - Plasma I

Electronics

- ECG 620 - Analog Integrated Circuit Design
- ECG 621 - Digital Integrated Circuit Design
- ECG 720 - Advanced Analog IC Design
- ECG 721 - Memory Circuit Design
- ECG 722 - Mixed-Signal Circuit Design

Power Engineering

- ECG 642 - Power Electronics
- ECG 646 - Photovoltaic Devices and Systems
- ECG 740 - Computer Analysis Methods for Power Systems
- ECG 741 - Electric Power Distribution System Engineering
- ECG 742 - Power System Stability and Control
- ECG 743 - Smart Electrical Power Grid

Signal Processing

- ECG 680 - Discrete-Time Signal Processing
- ECG 760 - Random Processes in Engineering Problems
- ECG 762 - Detection and Estimation of Signals in Noise
- ECG 781 - Digital Filters
- ECG 782 - Multidimensional Digital Signal Processing
- ECG 783 - Adaptive Signal Processing with Neural Networks

Solid State Electronics

- ECG 651 - Electronic and Magnetic Materials and Devices
- ECG 652 - Optoelectronics
- ECG 653 - Introduction to Nanotechnology
- ECG 750 - Photonics
- ECG 752 - Physical Electronics
- ECG 753 - Advanced Topics in Semiconductor Devices I
- ECG 755 - Monolithic Integrated Circuit Fabrication
- ECG 756 - Advanced Topics in Semiconductor Devices II
- ECG 757 - Electron Transport Phenomena in Solid State Devices
- ECG 758 - Numerical Methods in Engineering

Elective Courses – Credits: 9-18

Complete 9-18 credits of 600- or 700-level MAT, PHY,

AST, CEE, CEM, ECG, EGG, CS, ME, or other advisor-approved courses.

Dissertation – Credits: 18

- ECG 799 - Dissertation

Total Credits Shared: 6

Two courses can be double counted between Electrical Engineering Ph.D. and Mathematical Sciences M.S. degrees. Non-ECG courses must be applied towards non-ECG elective credits in the electrical engineering degree program pursued.

Degree Requirements

1. A minimum of 84, 87, 90, or 93 credits (including thesis and dissertation credits) of graduate work is required for the Dual Electrical Engineering Ph.D. and Mathematical Sciences M.S. which corresponds to the choice of completing a Mathematics comprehensive exam or thesis, and the number of credits of formally approved graduate level courses applied toward the B.S. degree and used in the Electrical Engineering Integrated BS-PHD Track.
2. Two of the courses included in the degree program can be double counted Electrical Engineering M.S.E and Mathematical Sciences M.S. degrees. Non-ECG courses must be applied towards non-ECG elective credits in the electrical engineering degree program pursued.

Mathematical Sciences M.S

1. Students completing a thesis must complete a minimum of 33 credit hours with a minimum GPA of 3.00.
2. Students completing the comprehensive exam must complete a minimum of 30 credit hours with a minimum GPA of 3.00.
3. 21 credits of mathematics course work must be at the 700-level (excluding thesis).
4. A student will be placed on academic probation if a minimum of 3.00 GPA is not maintained in all work taken in the degree program. A grade of C or less in one graduate-level course will cause a student to be placed on academic probation and will elicit a critical review of the student's program by the Graduate Studies Committee.
5. The Graduate College requires a minimum of 50 percent of the total credits required to complete the graduate degree, exclusive of transferred credits and/ or the thesis, must be earned at UNLV after admission to a graduate degree program.
6. Students must complete a final examination. This will be either an examination to defend the thesis or a written comprehensive examination based on requirements 1 and 2.
7. If the thesis option is chosen: In consultation with

his/her advisor, a student will organize a dissertation committee of at least three departmental members. In addition, a fourth member from outside the department, known as the Graduate College Representative, must be appointed. An additional committee member may be added at the student and department's discretion. Please see Graduate College policy for committee appointment guidelines.

Electrical Engineering Ph.D.

1. All Ph.D. students must satisfy the Ph.D. degree program admission requirements and be admitted to the Ph.D. program on a regular status.
2. Total credits required depends on the total number of approved graduate-level course work taken as technical electives (with a grade of B or better) during the senior year.
3. Complete a minimum of 60, 63, or 66 credits (including dissertation credits) respectively corresponding to 9, 6, or 3 credits of formally approved graduate level courses applied toward the B.S. degree yielding a total of 69 course credits. The final division of major, minor, and elective credits will be determined in consultation with the student's advisor.
4. Of the 69 required credits, a minimum of 33 credits must be in 700-level courses. Of these 33 credits, a minimum of 30 must be from formal courses. The student's doctoral advisory committee may add more requirements in accordance with the individual's background and field of study.
5. No more than 6 credits may be from Graduate Independent Study together with Graduate Seminar. No more than 12 credits of a combination of informal courses such as Graduate Independent Study, Special Topics, and Seminar may be applied to the degree program.
6. Complete a minimum of 15 credits in an approved ECE major field, 9 credits an approved ECE minor (primary minor) field, and 9 credits in a second approved open minor (secondary minor) field. Of the 15 credits required in the ECE major field, a minimum of 9 credits must be completed in 700-level courses. A minimum GPA of 3.33 (B+=3.30) must be obtained in the major field. Of the 9 required credits in each minor field, a minimum of 6 credits must be in 700-level courses. A minimum GPA of 3.33 (B+=3.30) must be obtained in each of the minor fields.
7. Informal courses (Graduate Independent Study, Graduate Seminar, and Special Topics) cannot be applied to the ECE major, ECE minor (primary minor) and the open minor (secondary minor) fields.
8. All regular (full graduate standing) status graduate students must select a faculty advisor in their first semester.
9. Students on academic probation may be transferred to the M.S.E. Program depending on the student's

academic record. In such a case, the M.S.E. Program requirements must be satisfied. For example, only 6 credits of the informal courses may be applied to the M.S.E. degree program with the further constraint that up to 3 credits total of Independent Study in combination with Graduate Seminar may be in the 6 credits.

10. Maintain a minimum overall grade point average (GPA) of 3.20, must maintain a minimum GPA of 3.20 each semester, and must complete all graduate level courses that apply towards their degree with a minimum GPA of 2.70 (B-) in each course. Grades below B- cannot be applied towards the Ph.D. degree and must be repeated or replaced. A class grade below C (2.0) is grounds for initiating a program separation recommendation to the Graduate College. Ph.D. candidates who do not maintain an overall minimum GPA of 3.20, who do not maintain a GPA of 3.20 each semester, or who earn more than one grade below B- will either be placed on probation or expelled from the program. The Electrical and Computer Engineering Graduate Committee and/or the Graduate College will determine the terms of the student's probation in accordance with the rules of the Graduate College.
11. All regular status graduate students must file an approved program before the completion of their third semester. This program must be approved by the student's advisor and the graduate coordinator. All regular and provisional status graduate students must show satisfactory progress towards completion of their degree by completing at least six credits of their approved program per calendar year. If their progress towards their degree program is not satisfactory, students will either be put on probation or expelled from the program.
12. Before beginning a dissertation, students must have their dissertation topic approved by their advisor, and the necessary paper work including a dissertation prospectus must be filed with the Graduate College by the end of the third semester. The dissertation prospectus describes the dissertation topic and must include an introductory set of sentences, a well formed hypothesis or hypotheses (specifically italicized in the prospectus) accompanied by a motivation, objectives with major and alternative approaches to the studies, and conjectures of possible outcomes. Students are NOT allowed to take dissertation credits until their prospectus is approved. Credits taken before the approval date will NOT count towards the degree program.

Graduation Requirements

See Plan Graduation Requirements below.

Plan Graduation Requirements

1. Students cannot graduate from one portion of the dual degree until the requirements for both are met. Students must apply to graduate from both programs

for the same semester.

2. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.

Mathematical Sciences M.S

1. The student must successfully complete a culminating experience.
2. If the exam option is chosen, the student must successfully pass a final comprehensive examination.
3. If the thesis option is chosen, the student must:
 - a. Submit and successfully defend his/her thesis by the posted deadline. The defense must be advertised and is open to the public.
 - b. After the thesis defense, the student must electronically submit a properly formatted pdf copy of their thesis to the Graduate College for format check. Once the thesis format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for thesis defenses, format check submissions, and the final ProQuest submission can be found here.

Electrical Engineering Ph.D.

1. During the first semester, a Ph.D. student must select a faculty advisor. The faculty advisor does not have to be the one to whom the student was assigned upon entering the Ph.D. program. In coordination with the faculty advisor, the student must also form a doctoral advisory committee. A doctoral advisory committee is composed of at least four members of the UNLV Graduate Faculty. Three of the faculty must be from the Department of Electrical and Computer Engineering. The fourth from a relevant supporting field having Full Graduate Faculty Status as recognized by the Graduate College.
2. Students admitted on provisional and/or conditional status are not allowed to take the qualifying exam until their provisions and/or conditions have been met. Students taking the exam while on provisional or conditional status will be required to retake the exam regardless if one or all areas of the exam have been passed.
3. Provisional status students must complete all required supplementary work within one calendar year from the time of admission into the program with a grade of B (3.0) or better in each course.
4. Pass the Qualifying Exam within 2 semesters of being admitted to the Ph.D. program on a regular (full graduate standing) status. The Qualifying Exam is offered once every fall semester and once every spring semester. This exam cannot be taken more than twice.
 - a. The Qualifying Exam tests the student's general undergraduate knowledge of electrical engineering

and computer engineering. To register for the Qualifying Exam, eligible students must notify the graduate coordinator no later than one month prior to the examination date.

b. All students must pass the Qualifying Exam within the first two semesters (excluding the summer semester) upon being admitted to the Ph.D. program on a regular status. If a student is required to take the qualifying exam and is not present to sit the exam, an automatic FAIL is assigned. Students who have not passed the Qualifying Exam within this timeframe will be terminated from the Ph.D. program. Students who have not passed the Qualifying Exam by their second attempt will be terminated from the Ph.D. program. Students in the Direct Ph.D. program who fail the Qualifying Exam on their second attempt within the two semester timeframe may elect to pursue a M.S. Degree by completing all of the requirements listed for that degree.

c. The Qualifying Exam is a four and one-half hour exam covering questions in the following undergraduate electrical and computer engineering fields:

- i. Communications
- ii. Control System Theory
- iii. Electromagnetics and Optics
- iv. Electronics
- v. Power
- vi. Signal Processing
- vii. Solid State
- viii. Digital Logic Design
- ix. Computer Architectures and Organization
- x. Digital Electronics and VLSI Design
- xi. Computer Communication Networks

d. To pass the qualifying exam requirement, the student must successfully complete any four of the eleven areas with a grade of PASS to complete the qualifying exam requirement within two sittings. If the student passes less than four areas on the first attempt, the student will receive a PASS for those individual areas successfully completed and will not be required to retake these areas on the second attempt. The exam is a closed note, closed book exam.

e. For more details on course specifics, exam logistics,

appeal rights and procedure, and protocols regarding the qualifying exam, refer to the ECE department's Electrical Engineering Graduate Program Document.

5. In all Post-Bachelor's Tracks, a Ph.D. student must complete a minimum of 15 credits in an approved ECE major field in a single area of Electrical and Computer Engineering, 9 credits in an approved ECE minor field (primary minor) in a single but different area of Electrical and Computer Engineering, and another 9 credits in a second approved minor (secondary minor) field. Currently, the Department of Electrical and Computer Engineering at UNLV offers Communications, Computer Engineering, Control System Theory, Electromagnetics and Optics, Electronics, Power Systems, Signal Processing, and Solid State Materials and Devices as major fields. Specific courses that can be applied to specific fields are listed in detail in the Electrical Engineering Graduate Program Document.

- a. Of the 15 credits required in the ECE major field, a minimum of 9 credits must be completed in 700-level courses. To complete the ECE major field requirement, the applied 15 credits of ECE major course work must attain a minimum overall GPA of 3.33 (B+=3.30).

- b. Each student must complete two minor fields. To complete a minor field, a student must complete a minimum of 9 credits in a minor field and have an overall minimum GPA of 3.33 (B+=3.30) for the 9 minor field credits. Of the 9 required credits in each minor field, a minimum of 6 credits must be in 700-level courses. Courses that can be applied to specific minor fields are listed in detail in the Electrical Engineering Graduate Program Document. These courses may be applied to any designated field but may only be counted once. With the written approval of the major advisor and the student's advisory committee, the secondary minor may be a mixed minor field. A mixed minor field may be formed with courses inside and/or outside of the Electrical Engineering Department's approved fields (e.g., mathematics and physics, computer engineering and computer science, physics, mechanical engineering, solid state and electromagnetics) A mixed minor may not be composed of courses in the Electrical Engineering Department that satisfy course work in the major and the other minor field. The only exception is when a course may be used in more than one field. In this case, the course may not be counted twice but may be used for either minor area. However, the student must complete at least one minor field (primary minor field) in Electrical Engineering in a single area.

6. After passing the Qualifying Exam, successfully completing all courses for a major field, and successfully completing all courses for the ECE minor field, students are eligible to take the Comprehensive Exam. All students must have passed the Comprehensive Exam within two semesters after

successfully completing all required course work except for the 18 credits Dissertation. [NOTE: Up to 6 credits of Dissertation taken prior to the successful completion of the Preliminary Exam may count towards the degree program.] The Comprehensive Exam cannot be taken more than once per semester and cannot be taken more than twice.

- a. The Comprehensive Exam tests the candidate's depth of knowledge in the candidate's chosen ECE major field and chosen ECE minor (primary minor) field. All students must have passed the Comprehensive Exam within two semesters after successfully completing all required course work (except for the 18 credits of Dissertation). The Comprehensive Exam is offered once every fall semester and once every spring semester. The Comprehensive Exam cannot be taken more than twice. Candidates who have not passed the Comprehensive Exam within this timeframe (two consecutive sittings) will be terminated from the Ph.D. program. Candidates who have not passed the Comprehensive Exam following their second attempt will be terminated from the Ph.D. program.

- b. Before a student is eligible to register for the Comprehensive Exam, the candidate must have obtained regular (full graduate standing) admission status, passed the Qualifying Exam, and must have successfully completed all of the course requirements for the ECE major field and the ECE minor (primary minor) field. The student must have acquired a minimum GPA of 3.33 in both the major and minor fields separately. If the minor field GPA is less than 3.33 and/or the major field GPA is less than 3.33, then the minor and/or minor field requirement has not been successfully completed. The candidate will not be allowed to take the Comprehensive Exam until both the major and minor 3.33 GPA requirements are fulfilled. Further, the student must have a minimum overall GPA of 3.2 and must have satisfied all other Ph.D. degree program admission requirements. If a student takes the Comprehensive Exam before any one of these requirements has been satisfied, the student will automatically receive a FAIL grade for the exam. At their discretion, the Graduate Committee may also count this failing grade as one of the student's attempts for the Comprehensive Exam. To register for the Comprehensive Exam, eligible students must notify the graduate coordinator no later than one month prior to the examination date.

- c. To pass the Comprehensive Exam, a student must pass a five-hour exam covering courses in his/her ECE major field and ECE minor (primary minor) field. A pass or fail grade will be given for the exam. The graduate committee will notify students of the results of the exam. The major and minor area exam will emphasize graduate coursework taken in the ECE major and ECE minor (primary minor; minor 1) fields. The exam will evaluate the student's ability to apply

his/her theoretical and analytical abilities to problems in his/her ECE major and ECE minor (primary minor) field. However, the exam may require knowledge of undergraduate material related to the student's major and minor fields. Students should expect problems that require advanced thinking. Specific problems need not be familiar textbook problems nor may the student be necessarily familiar with the problem. A pass or fail grade will be given for the exam. The graduate committee will notify students of the exam results.

d. For more details on course specifics, exam logistics, appeal rights and procedure, and protocols regarding the comprehensive exam, refer to the ECE department's Electrical Engineering Graduate Program Document.

7. After successfully completing all required course work and passing the Comprehensive Exam, the candidate must pass the Preliminary Exam. The Preliminary Exam cannot be taken more than once per semester but may be repeated until passed.

a. The Preliminary Exam evaluates the caliber of a student's dissertation topic. The Preliminary Exam cannot be taken more than once per semester but may be repeated until passed.

b. To be eligible for the Preliminary Exam, a student must have passed the Comprehensive Exam, and have successfully completed all required course work except for the 18 credits of Dissertation.

c. Before the Preliminary Exam, a student must prepare a 10 to 20-page prospectus of his/her research. A copy of this prospectus must be submitted to the Graduate Committee and each member of the Ph.D. candidate's advisory committee at least two weeks prior to the Preliminary Exam.

d. The student must also notify the Graduate Committee and each member of their advisory committee of the date, time and location of their Preliminary Exam. This must be done at least two weeks prior to the Preliminary Exam.

e. During the Preliminary Exam, the student presents his/her prospectus to his advisory committee. To pass the Preliminary Exam, the student's advisory committee must unanimously approve the student's prospectus. Students who pass the Preliminary Exam are advanced to candidacy for the Ph.D.

8. Complete a minimum of 18 credits of Dissertation and complete a dissertation containing original research. Upon completion, the student must pass the Final Exam in which the student defends his/her dissertation. The Final Exam is the culminating experience of the PhD program.

a. The Final Exam evaluates the Ph.D. candidate's

dissertation. The Final Exam cannot be taken more than once per every three months but may be repeated until passed. To be eligible for the Final Exam, a Ph.D. candidate must have passed the Preliminary Exam, and have successfully completed all required course work including a minimum of 18 credits of Dissertation. A minimum of 12 credits of Dissertation must be taken after the successful completion of the Preliminary Exam. A copy of the Ph.D. candidate's dissertation must be submitted to the Graduate Committee and each member of the Ph.D. candidate's advisory committee at least two weeks prior to the Final Exam. The Ph.D. candidate must also notify the Graduate Committee and each member of his/her advisory committee of the date, time, and location of his/her Final Exam at least two weeks prior to the Final Exam. During the Final Exam, the Ph.D. candidate will present his/her dissertation to their advisory committee. To pass the Final Exam, the Ph.D. candidate's advisory committee must unanimously approve the Ph.D. candidate's dissertation.

9. The Department of Electrical and Computer Engineering requires that the Ph.D. degree be completed within a period of six years from the time the candidate is fully admitted to the Ph.D. program. Further, courses taken more than six years prior to graduation cannot be applied toward the PhD degree without permission from the Graduate College. Students exceeding this time limit must formally write a letter requesting permission from both the Graduate Committee and the Graduate College to stay in the Ph.D. program and apply coursework towards the degree program. The formal letter must explain the circumstances of why the degree was not completed within the allotted timeframe and indicate the extended period of time needed to complete the degree.

10. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.

11. The student must submit and successfully defend his/her dissertation by the posted deadline. The defense must be advertised and is open to the public.

After the dissertation defense, the student must electronically submit a properly formatted pdf copy of their dissertation to the Graduate College for format check. Once the dissertation format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for dissertation defenses, format check submissions, and the final ProQuest submission can be found here.

Electrical and Computer Engineering Courses

ECG 600 - Computer Communication Networks Credits 3

Computer network architecture; the OSI Model: network protocols; local area networks; fiber optics communication; ISDN; elements of Queueing Theory, with emphasis on hardware design issues.

ECG 603 - Embedded Systems Design Credits 3

Embedded Systems Design.

ECG 604 - Modern Processor Architecture Credits 3

Instruction level parallel processing. Processor performance evaluation and optimization. Scalar and superscalar pipelines. Instruction, register data and memory data flow techniques. Cache organization and performance analysis. Comparison of RESC, CISC and VLIW architecture. Survey of modern processors. Introduction to multithreading.

ECG 605 - Data Compression Systems Credits 3

Source modeling. Foundations of lossy and lossless compression, code properties. Huffman and arithmetic coding, predictive coding, dictionary techniques, compression techniques and standards for facsimile, audio, video and still image coding. Hardware design specifics, coding and watermarking.

ECG 607 - Biometrics Credits 3

Taxonomics of devices and applications, probability and statistical testing methods, one and two dimensional transform techniques, finger printing, voice recognition, facial recognition, and iris scanning, large scale identification applications, multibiometrics, social, legal, and ethical concerns. Notes: This course is crosslisted with CPE 407. Credit at the 600 level requires additional work.

ECG 608 - Digital Design Verification and Testing Credits 3

A study of complete digital design testing during all design flow stages - from writing code to testing chips after manufacturing, creating and implementing effective test scenarios and assertion techniques, designing self-testing devices. Students will get hands-on experience with various EDA tools for design testing, verification, logic and fault simulation.

ECG 609 - Embedded Digital Signal Processing Credits 3

Hardware implementation of DSP operations, filters, interpolation and decimation, linear and non-linear transforms. Embedded audio and video processing, error control and coding. DSP processors.

ECG 617 - Internet of Things Systems Credits 3

The elements of IoT, detailed analysis of IoT sensors, IoT networking and sensor-system communications. The analysis of the process of designing the IoT systems, design of the data management / databases and security requirements. Class is project-based. Notes: This course is crosslisted with CpE 417. Coursework at the 600-level requires additional work.

ECG 620 - Analog Integrated Circuit Design Credits 3

An introduction to the design, layout, and simulation of analog integrated circuits including current mirrors, voltage and current references, amplifiers, and op-amps. Prerequisites: EE 320.

ECG 621 - Digital Integrated Circuit Design Credits 3

An introduction to the design, layout, and simulation of digital integrated circuits. MOSFET operation and parasitics. Digital design fundamentals including the design of digital logic blocks. Prerequisites: CPE 100 and EE 320.

ECG 630 - Transmission Lines Credits 3

Telegraphist's equations; transient response—steady state response; reflection diagrams; Smith chart; matching techniques and designs; narrow and broadband impedance matching techniques; scattering matrix; introduction to stripline and microstrip devices.

ECG 631 - Engineering Optics Credits 3

Fundamentals of antennas and antenna design; linear wire, loop, and antenna arrays; antenna measurements.

ECG 632 - Antenna Engineering Credits 3

Fundamentals of antennas and antenna design; linear wire, loop, and antenna arrays; antenna measurements.

ECG 633 - Active and Passive Microwave Engineering Credits 3

This 600-level course has been approved by the Graduate College for possible inclusion in graduate programs. A full description of this course may be found in the Undergraduate Catalog under the corresponding 400 number.

ECG 642 - Power Electronics Credits 3

Topics include: diode circuits and rectifiers, power semiconductor diodes and transistors, thyristors and static switches, controlled rectifiers, AC voltage controllers, DC choppers, inverters, AC and DC drives, power supplies and protection of devices and circuits.

ECG 646 - Photovoltaic Devices and Systems Credits 3

This course covers solar resource characteristics, solar cell physics and technologies, cell electrical characteristics, PV module design, DC-AC inverters, battery energy storage and charge controllers, design of stand-alone and grid-connected PV systems, and economic considerations. Prerequisites: Enrollment in the Solar and Renewable Energy Graduate Certificate Program, or graduate standing for engineering students.

ECG 651 - Electronic and Magnetic Materials and Devices Credits 3

Semiconductors, dielectrics, ferroelectrics, antiferromagnetics, ferromagnetics, ferrimagnetics, crystal structure, structure-property relations, device applications.

ECG 652 - Optoelectronics Credits 3

Topics include: modulation of light, display devices, lasers, photodetectors, fiber optics, engineering applications, and systems

ECG 653 - Introduction to Nanotechnology Credits 3

Overview of Nanotechnology. Physics of the Solid State, Properties of Individual Nanostructures. Bulk Nanostructured materials, magnetic nanoparticles, Quantum Wells, Wires and Dots, Self-Assembly and Catalysis, nanoscale Biological materials.

ECG 662 - Digital Communication Systems Credits 3

Information theory and fundamental limits on performance, digital coding of waveforms, pulse shaping for baseband transmission, digital bandpass modulations, channel coding.

ECG 666 - Wireless and Mobile Communication Systems Credits 3

Study of wireless systems including cellular telephone systems, wireless local area networks and other wireless data services. Topics include digital modulation techniques, frequency reuse, diversity techniques, multiple access schemes and channel modeling including path loss, shadowing, fading and multipath interference. Notes: This course is crosslisted with EE 466. Credit at the 600-level requires additional work. Prerequisites: EE 460 or equivalent.

ECG 672 - Digital Control Systems Credits 3

Introduction to discrete time of control. State space representation of linear systems; stability; the concepts of controllability and observability. Sample data control system design techniques, including pole placement, observer design.

ECG 680 - Discrete-Time Signal Processing Credits 3

Review of discrete linear system theory including the z-transformers, the Fourier transform, discrete and fast Fourier transform. Sampling, reconstruction multirate systems and quantization noise. IIR and FIR digital filter design including digital filter structures and finite word length effects.

ECG 680L - Digital Signal Processing Laboratory Credits 1

Laboratory projects and exercises in digital signal processing including the design and implementation of FIR, IIR, and multirate systems.

ECG 682 - Introduction to Biomedical Signals and Systems Credits 3

Introduction to biomedical signals, transduction devices, bioelectric potentials and sensors. Application of electrical signal and system principles to biosignals, such as cardiovascular electrical signals, neural electrical communication, and diagnostic ultrasound. Includes current biomedical engineering topics.

ECG 695 - Special Topics Credits 1-4

Covers experimental and other topics which may be of current interest. Topics and credits to be announced. Notes: May be repeated once under a different topic. May have a laboratory.

ECG 700 - Advanced Computer System Architecture Credits 3

High performance computer architecture including pipelining techniques, high speed memory systems, vector processors, parallel processing, and interconnection networks. Prerequisites: ECG 300 or consent of instructor.

ECG 701 - Reliable Design of Digital Systems Credits 3

D-algorithm, Boolean difference, test generation for combinational and sequential circuits, self checking circuits, fault tolerant design, design for testability, and topics in reliability and maintainability. Prerequisites: ECG 300 or consent of instructor.

ECG 702 - Interconnection Networks for Parallel Processing Applications Credits 3

Interconnection networks models, comparison of single-stage networks: PM2I, HYPERCUBE Illiac and shuffle-exchange, partitioning single-stage networks, multistage networks, survey and comparison of fault-tolerant multistage networks. Prerequisites: ECG 300 or consent of instructor.

ECG 703 - Machine Learning and Applications Credits 3

Linear Regression, Curve Fitting, Bayesian Inference, Supervised and Unsupervised Learning, Support Vector Machine, K-nearest Neighbor, Dimensionality Reduction, Learning Theory, Reinforcement Learning. Applications to Security, Robotics, Autonomous Navigation, Weather forecasting, Bioinformatics, Finance, Healthcare. Prerequisites: Consent of Instructor.

ECG 704 - Coding with Applications in Computers and Communication Media Credits 3

Error correcting codes, design and analysis of encoder/decoder circuitry, applications to reliable communication and fault tolerant computing, compression encoding schemes. Prerequisites: ECG 300, MATH 453, or consent of instructor.

ECG 706 - Analysis of Telecommunication and Data Networks Credits 3

Probability-based treatment of telecommunication and data networks. Delay, throughput, buffer management in layers of ISO Open Systems Interconnection Model. Performance

analysis, flow and congestion control, routing function, polling and random access, CSMA/CD and Ethernet. Prerequisites: ECG 300 and MATH 462

ECG 707 - Logic Synthesis Engineering ... Credits 3

Theory and application of Boolean Minimization, functional decomposition and logic synthesis for FPGAs, serial and parallel decomposition strategies, and design implementation using FPGAs. Design entry, introduction to VHDL, BDD, FSM, and BLIF. Placement and routing in Xilinx and Aleira. Prerequisites: Graduate standing in computer engineering or consent of instructor.

ECG 709 - Synthesis and Optimization of Digital Systems Credits 3

Study of the high-level synthesis and optimization algorithms for designing SOCs and MPSOCs. Topics including algorithms for high-level synthesis, scheduling, resource binding, real-time systems, application specific instruction processors, embedded systems and hardware/software codesigns. Simulate and synthesize algorithms using HDL languages (Verilog and SystemC). Use of simulators and emulators. Prerequisites: CPE 300 and C/C++ knowledge or Instructor permission

ECG 720 - Advanced Analog IC Design Credits 3

Advanced analog design considerations including: noise, common-mode feedback, high-speed design, and design for analog signal processing. Prerequisites: EE 420 or ECG 620.

ECG 721 - Memory Circuit Design Credits 3

A practical introduction to the transistor-level design of memory circuits. Memory technologies including DRAM, Flash, MRAM, Glass-based, and SRAM will be discussed. Prerequisites: EE 421 or ECG 621.

ECG 722 - Mixed-Signal Circuit Design Credits 3

Design of data converters using sigma-delta techniques. Operation and design of custom digital filters for decimating and interpolating in analog-to-digital interfaces. Prerequisites: EE 320 and EE 360.

ECG 730 - Advanced Engineering Electromagnetics I Credits 3

Conformal transformation with application to static field problems in engineering; wave harmonics with engineering applications; theorems of waves and media; Special Theory of Relativity with engineering applications; wave propagation in various media; engineering application of scattering. Prerequisites: ECG 330 or consent of instructor.

ECG 731 - Theoretical Techniques in Electromagnetics Credits 3

Review and introduce mathematical techniques basic to the study of engineering electromagnetics, including coupled mode theory; complex analysis; and Green's function. Prerequisites: ECG 330 or consent of instructor.

ECG 732 - Advanced Engineering Electromagnetics II Credits 3

Scattering; particle and beam radiation; selected topics in advanced antenna and microwave engineering. Prerequisites: ECG 330 or consent of instructor.

ECG 733 - Plasma I Credits 3

Single particle motion; adiabatic invariants; plasmas as fluids; waves in plasmas; diffusion; resistivity; introduction to kinetic theory; Landau damping. Prerequisites: ECG 330

ECG 740 - Computer Analysis Methods for Power Systems**Credits 3**

Power system matrices, programming considerations, conventional power flow studies, approximate and fast power flow studies, optimal dispatch, fault studies, power system stability, stochastic methods in power systems analysis. Prerequisites: ECG 440, ECG 440L or consent of instructor.

ECG 741 - Electric Power Distribution System Engineering**Credits 3**

Electric load characteristics, distribution transformers, design of subtransmission lines and distribution substations, design of primary and secondary systems, voltage drop and power loss calculation, capacitor applications, voltage regulation, distribution system protection and reliability. Prerequisites: ECG 440, ECG 440L or consent of instructor.

ECG 742 - Power System Stability and Control**Credits 3**

Power equipment dynamic characteristics and modeling, control of active and reactive power, small-signal stability, transient stability, voltage stability, sub-synchronous oscillations, mid- and long-term stability, methods of improving stability. Prerequisites: ECG 440, ECG 440L or consent of instructor.

ECG 743 - Smart Electrical Power Grid**Credits 3**

Modeling and operation of conventional power systems, microgrid power systems, renewable energy systems with battery storage, smart grid concepts, smart power devices, smart grid communication, cyber security, advanced metering infrastructure, dynamic home area networks, demand response

ECG 750 - Photonics**Credits 3**

Review of Electromagnetic theory of light, optical wave propagation in vacuum and media, waveguides, fiber optics, quantum dots, lasers, LEDs, semiconductor lasers, optical detectors, electro-optic and acousto-optic modulations, nonlinear optics, harmonic generation, parametric process, Q-switching, mode locking, frequency combs, laser amplification, quantum mechanical aspects of light. Prerequisites: MATH 432, EE 330, EE 452/ECG 652 or consent of instructor.

ECG 752 - Physical Electronics**Credits 3**

Quantum Theory, electron in potential well, harmonic oscillator. Hydrogen atom, Band Theory of Solids, Kronig-Penny model, theory of metallic state, diffraction by crystals, electronic structure of solids. Prerequisites: ECG 320 or consent of instructor.

ECG 753 - Advanced Topics in Semiconductor Devices I**Credits 3**

Topics of current interest in solid state electronic devices: physics of semiconductors, thermal and optical and electronic properties of semiconductors, bipolar junction devices, field effect devices, surface related effects, optoelectronic devices, semiconductor lasers. Applications and the design of circuits using these devices. Intended for electrical and electronic engineers, physicists and qualified senior students in engineering and physics. Prerequisites: PHYS 411 and 483 or ECG 421, ECG 420 and consent of instructor.

ECG 755 - Monolithic Integrated Circuit Fabrication**Credits 3**

Fabrication of integrated silicon and gas circuits, thermal oxidation, solid state diffusion, epitaxial growth, ion implantation, photo and electron lithography, design considerations, surface effect. Prerequisites: Graduate standing or consent of instructor.

ECG 756 - Advanced Topics in Semiconductor Devices II**Credits 3**

Topics of current interest in solid state electronic devices: ultrafast electronics, high electron mobility transistors, superlattices, heteroface devices, transfer electron devices and III-V and II-VI compounds, novel device structures. Novel approaches to device modeling such as Monte Carlo simulations, self-consistent

solution of Schroedinger and Poisson and other approaches. Prerequisites: ECG 753

ECG 757 - Electron Transport Phenomena in Solid State Devices**Credits 3**

Phenomenological transport equations, Boltzmann transport equation, relaxation time approximation, low field and high electron transport in Si and GaAs, moments of BTE, Monte Carlo simulation, spatial and temporal transients, device analysis, Quantum transport. Prerequisites: ECG 450 or ECG 753.

ECG 758 - Numerical Methods in Engineering**Credits 3**

Computational course with emphasis on both the numerical analysis and the programming aspects of computer-aided design using simulation methods. Coverage includes understanding and use of CAD programs such as ECAP, CIRCUS, ICECREM, SUPREM, etc. Prerequisites: Graduate standing or consent of instructor.

ECG 758R - Optical Sensing**Credits 3**

Quick review of fiber optics, lasers, and detectors. Fiber responses to disturbances, interferometry, displacement sensors, laser stabilization, atomic clocks, precision time and frequency transfer, multiplexing in time, spatial, wavelength domains, rotation and angular sensors, acoustic sensors, deformation sensors, photonic Doppler velocimetry, remote sensing, biosensors, quantum enhancement. Prerequisites: Consent of instructor. It is recommended but not required for students to have completed ECG 652 Optical Electronics and ECG 750 Photonics.

ECG 760 - Random Processes in Engineering Problems**Credits 3**

Basic probability theory, random variables, probability and densities, expectation, static estimation, random processes, power spectral density, mean square calculus, Wiener integrals. Prerequisites: ECG 460, MATH 461 or consent of instructor.

ECG 762 - Detection and Estimation of Signals in Noise**Credits 3**

Hypothesis testing, matched filters, estimation theory, Kalman and Wiener filters, applications to communication systems. Prerequisites: ECG 460, ECG 760 or consent of instructor.

ECG 763 - Advanced Digital Communication Systems**Credits 3**

Digital communication systems with emphasis in digital modulation schemes, optimal detectors, inter symbol interference, channel equalization and multi-carrier communications. Prerequisites: EE 460

ECG 770 - Linear Systems**Credits 3**

Mathematical systems theory, state space concepts, canonical forms, time and frequency domains, controllability and observability, state feedback, compensator design, and algebraic systems theory. Prerequisites: ECG 470, MATH 431 or consent of instructor.

ECG 771 - Optimal and Modern Control**Credits 3**

Students will participate in one of the following activities: research; clinical activity; community outreach under the supervision of a dentist/mentor; may also participate in clinical externship activities with prior approval. Notes: Topics selected according to the interests of the class. Prerequisites: ECG 770

ECG 772 - Nonlinear Systems**Credits 3**

Introduction, differential equations, approximate analysis methods, Lyapunov stability, input-output stability. Prerequisites: ECG 770 or consent of instructor.

ECG 774 - Stochastic Control Credits 3

Introduction, stochastic processor, state estimation, Kalman Filter, nonlinear estimation, stochastic control. Prerequisites: ECG 770 or consent of instructor.

ECG 776 - Adaptive Control Credits 3

Introduction, model reference control, hyperstability, Popov criterion, parameter identification, adaptive control of discrete systems, adaptive predictor, adaptive state estimation. Prerequisites: ECG 770 (formerly EEG 760) or consent of instructor.

ECG 780 - Digital Signal Processing Credits 3

Introduction to the theory and applications of digital signal processing. Discrete-time signals, linear systems and difference equations. Sampling and multirate systems. One sided and two sided z-transforms. Finite impulse response (FIR) and infinite impulse response (IIR) systems. The discrete and fast Fourier transforms (FFT). Prerequisites: ECG 460, MATH 431 or consent of instructor.

ECG 781 - Digital Filters Credits 3

Theory and applications of digital filters. Structures for discrete time systems. Finite precision numerical effects in digital systems. Finite impulse response (FIR) and infinite impulse response (IIR) digital filters designs including windowing techniques, optimization techniques, analog to discrete time transformation techniques and wave digital filters. Prerequisites: ECG 780

ECG 782 - Multidimensional Digital Signal Processing Credits 3

Theory and applications of multidimensional (M-D) digital signal processing. M-D signals and systems. M-D z-transform. M-D DFT and FFT. Design and implementation of M-D FIR and IIR filters. Applications to image processing such as image enhancement and restoration. Advanced topics chosen according to class interests. Prerequisites: ECG 780

ECG 783 - Adaptive Signal Processing with Neural Networks Credits 3

Theory and application of adaptive signal processing with neural networks. Theory of adaptation and performance surfaces. Adaptive algorithms. Fundamental concepts and models of artificial neural systems. Single layer perception classifiers. Multi layer feed forward networks. Single layer feedback networks applications. Prerequisites: ECG 780 or equivalent.

ECG 791 - Independent Study in Electrical Engineering Credits 1 – 3

Supervised independent work in a topic of electrical engineering. Notes: May be repeated to a maximum of six credits with consent of electrical engineering faculty. Prerequisites: Graduate standing in electrical engineering or related field and consent of instructor

ECG 793 - Engineering Science Seminars Credits 1-3

The seminar series emphasizes national security related topics, which are broadly applicable to all sciences and technology disciplines. Leaders and experts from government, national laboratories, and universities present the latest progress in national security, defense experiments, applied physics, electrical engineering, photonics, and scientific computing. Notes: May be repeated to a maximum of six credits.

ECG 795 - Advanced Special Topics in Electrical Engineering Credits 1 – 3

Advanced special topics in modern electrical engineering as defined in the announcement of the course. Notes; May be repeated to a maximum of six credits. Prerequisites: Graduate standing in electrical engineering or related field and consent of instructor.

ECG 797 - Electrical Engineering Thesis Credits 3 – 6

Research, analysis, and writing towards completion of thesis and subsequent defense. Notes: May be repeated, but only six credits will be applied to a student's program. Grading S/F grading only. Prerequisites: Graduate standing in electrical engineering or related field and consent of instructor.

ECG 799 - Dissertation Credits 1 – 6

Research analysis and writing toward completion of dissertation and subsequent defense. Notes; May be repeated to a maximum of 18 credits allowed toward the degree. Grading S/F grading only. Prerequisites: Graduate standing in electrical engineering or related field and consent of instructor.

Mechanical Engineering

Graduate students in the mechanical engineering program join highly active research teams. They learn advanced engineering concepts and develop research skills allowing them to investigate and solve critical and relevant technological problems. Many of our graduate students present results of their work at prestigious international conferences and publish in high quality journals. Our graduate student alumni have gone on to careers as researchers in government or industry laboratories, faculty at academic institutions or engineers at a wide range of companies.

Courses and research projects focus on: active (smart) materials, aerospace, vibrations and acoustics, heat transfer, fluid flow (and computational fluid dynamics), environmental transport processes, multiphase flow, energy conservation and conversion technologies, alternative energy including solar power, automatic control, robotics, unmanned aerial systems, biomedical engineering, nuclear engineering and materials, structural properties of engineering materials, composite materials, and computational simulation of structures under extreme dynamic loading.

Graduate students have access to all departmental laboratories and equipment as well as the facilities of the National Supercomputing Center for Energy and the Environment. The department supports numerous networked workstations.

The laboratories of the department include the Drones and Autonomous Systems Lab, Active Materials and Smart Living Laboratory, a full range of solar and renewable energy facilities, extensive acoustics and vibrations facility, thermal-fluids capability, full array of mechanical testing machines, measurement and control laboratory, and nuclear sensors and devices laboratory. A unique laboratory also exists for full-scale testing of ducts and diffusers, including indoor air quality and HVAC equipment.

Brendan O'Toole, Ph.D., Chair

Hui Zhao, Ph.D., Graduate Coordinator

Mechanical Engineering Faculty

Chair

O'Toole, Brendan J. - *Full Graduate Faculty*
Professor; B.S., M.S., Ph.D., University of Delaware. Rebel since 1992.

Graduate Coordinator

Zhao, Hui - *Full Graduate Faculty*
Associate Professor; B.S., M.S., Peking University, China; Ph.D., University of Pennsylvania. Rebel since 2009.

Graduate Faculty

Bansal, Shubhra - *Full Graduate Faculty*
Assistant Professor; B.S., Indian Institute of Technology, M.S., Ph.D., Georgia Institute of Technology. Rebel since 2015.

Barzilov, Alexander P. - *Full Graduate Faculty*
Associate Professor; M.S. Institute of Nuclear Power Engineering (INPE), Obninsk, Russia; Ph.D. Institute of Physics and Power Engineering (IPPE), Obninsk, Russia. Rebel since 2012.

Boehm, Robert F. - *Full Graduate Faculty*
Professor; B.S., M.S., Washington State University; Ph.D., University of California, Berkeley; P.E., California. Rebel since 1990.

Chen, Yi Tung - *Full Graduate Faculty*
Professor; B.S., Feng Chia University; M.S., Ph.D., University of Utah. Rebel since 1993.

Culbreth, William G. - *Full Graduate Faculty*
Associate Professor; B.S., California State Polytechnic University, Pomona; M.S., Ph.D., University of California, Santa Barbara. Rebel since 1985.

Hartmann, Thomas - *Full Graduate Faculty*
Associate Professor; Diploma in Mineralogy, University Heidelberg, Ph.D., University Heidelberg / Karlsruhe Institute of Technology

Kim, Kwang J. - *Full Graduate Faculty*
Professor; B.S., Yonsei University, S. Korea; M.S., Ph.D., Arizona State University. Rebel since 2012.

Mauer, Georg F. - *Full Graduate Faculty*
Professor; Diploma-Ingenieur; Ph.D., Technical University of Berlin. Rebel since 1986.

Moon, Jaeyun - *Full Graduate Faculty*
Assistant Professor; B.S., M.S., Hanyang University; Ph.D., University of California, San Diego. Rebel since 2014.

Moujaes, Samir F. - *Full Graduate Faculty*
Professor; B.S., M.S., American University of Beirut; Ph.D., University of Pittsburgh; P.E., Nevada. Rebel since 1984.

Oh, Paul - *Full Graduate Faculty*
Professor; B.S., McGill University; M.S., Seoul National University; Ph.D., Columbia University. Rebel since 2014.

Pepper, Darrell W. - *Full Graduate Faculty*
Professor; B.S., M.S., Ph.D., University of Missouri-Rolla. Rebel since 1992.

Reynolds, Douglas D. - *Full Graduate Faculty*
Professor; B.S., Michigan State University; M.S., Ph.D., Purdue University. Rebel since 1983.

Rice, Stephen - *Full Graduate Faculty*
Professor; B.S., M. Engr., Ph.D., University of California, Berkeley. Rebel since 1966.

Trabia, Mohamed - *Full Graduate Faculty*
Professor; B.S., M.S., Alexandria University; Ph.D., Arizona State University. Rebel since 1987.

Wang, Zhiyoung - *Full Graduate Faculty*
Associate Professor; B.S., M.S., Ph.D., Harbin University of Science and Technology. Rebel since 1998.

Yim, Woosoon - *Full Graduate Faculty*
Professor; B.S., Hanyang University, S. Korea; M.S., Ph.D. University of Wisconsin-Madison. Rebel since 1987.

Plans

Graduate Certificate in Nuclear Criticality Safety

Graduate Certificate in Nuclear Safeguards and Security

Master of Science in Aerospace Engineering

Master of Science - Biomedical Engineering

Master of Science - Materials and Nuclear Engineering

Master of Science in Engineering
- Mechanical Engineering

Doctor of Philosophy - Mechanical Engineering

Graduate Certificate in Nuclear Criticality Safety

Plan Description

The graduate, distance education Nuclear Criticality Safety (NCS) Certificate program will provide the graduate MSMNE student a diverse education and the practicing NCS engineer (and their employer) with components that will help train and maintain a well-qualified workforce. The UNLV NCS Certificate will provide evidence that the graduate has the appropriate education to become a certified NCS Engineer in NRC-licensed facilities, US DOE's national laboratories, and the Navy Reactors program. The NCS Certificate program consists of four nuclear engineering courses (twelve credits total) that include three required courses and a related/approved elective course. In addition, many of the proposed topic areas, e.g., Introduction to Nuclear Criticality Safety, are also appropriate subjects for general nuclear engineering graduate students (i.e., not NCS engineers), while other certificate program courses, e.g., Monte Carlo Methods are appropriate for both UNLV's NE students as well as health and medical physics students.

For more information about your program, including your graduate program handbook and learning outcomes, please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

Admission to the NCS Certificate program requires both a BS degree in an engineering discipline and ME 455/655 Fundamentals of Nuclear Engineering (or equivalent).

If an applicant can demonstrate equivalent knowledge from relevant work experience (e.g. Navy nuclear reactor program or extensive training and experience at an NRC-licensed or DOE process facility), the Director of the NCS Certificate Program can waive both requirements with the concurrence of the Chair of the Department of Mechanical Engineering based upon review by nuclear engineering faculty.

All applicants must review and follow the Graduate College Admission and Registration Requirements.

Students are accepted into a certificate program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

Total Credits Required: 12

Course Requirements

Required Courses – Credits: 9

- ME 754 - Introduction to Nuclear Criticality Safety
- ME 755 - Nuclear Criticality Safety Engineering
- ME 756 - Monte Carlo Methods in Nuclear Engineering

Elective – Credits: 3

Complete an advisor-approved graduate-level nuclear engineering or health physics course.

Certificate Requirements

Completion of a minimum of 12 credit hours with a minimum GPA of 3.00.

Plan Certificate Completion Requirements

The student must submit all required forms to the Graduate College and then apply for graduation in MyUNLV by the appropriate deadline.

Graduate Certificate in Nuclear Safeguards and Security

Plan Description

The graduate Nuclear Safeguards and Security (NSS) Certificate program will provide graduate students and practicing engineers (and their employers) a diverse education with components that will help train and maintain a well-qualified workforce. The UNLV NSS Certificate will provide evidence that the graduate has the appropriate education to become a nuclear safeguards and security engineer in NRC-licensed facilities and US DOE's national laboratories.

For more information about your program, including your graduate program handbook and learning outcomes, please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

Admission to the NSS Certificate program, either as a MSMNE student or as a non-admitted student, requires both a BS degree in an engineering or related discipline and ME 455/655 Fundamentals of Nuclear Engineering or HPS 701 Applied Nuclear Physics (or an equivalent course). If an applicant can demonstrate equivalent knowledge from relevant work experience (e.g. Navy nuclear reactor program or extensive training and experience at an NRC-licensed or DOE process facility), the Director of the NSS Certificate Program can waive the prerequisite course requirement with the concurrence of the Chair of the Department of Mechanical Engineering

based upon review by nuclear engineering faculty.

All applicants must review and follow the Graduate College Admission and Registration Requirements.

Students are accepted into a certificate program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

Total Credits Required: 12

Course Requirements

Required Courses – Credits: 9

- ME 757 - Radiation Monitoring and Safeguards Systems
- ME 758 - Accelerator Applications in Nuclear Engineering
- ME 765 - Neutron Detection and Production

Elective Course – Credits: 3

Complete one of the following courses, or another advisor approved NSS-relevant Mechanical Engineering, Radiochemistry or Health Physics graduate course.

- ME 756 - Monte Carlo Methods in Nuclear Engineering
- ME 760 - Waste Management And The Nuclear Fuel Cycle

Certificate Requirements

Completion of a minimum of 12 credit hours.

A grade point average of at least 3.00 for course work required for the certificate.

No grade lower than B is acceptable.

Plan Certificate Completion Requirements

The student must submit all required forms to the Graduate College and then apply for graduation in MyUNLV by the appropriate deadline.

Master of Science in Aerospace Engineering

Plan Description

The objectives of the M.S.A.E. degree are to provide a quality graduate educational program that will complement the existing undergraduate and graduate curricula in mechanical engineering. The aerospace graduate program will improve and enhance the capabilities of those students seeking careers in the aerospace field and supporting engineering work for the aerospace and aviation technology community. The majority of students seeking the M.S.A.E. degree will have undergraduate degrees in the fields of mechanical or aerospace

engineering, or closely related fields of engineering, applied physics, or applied mathematics; some will already have graduate degrees in the more conventional areas of engineering or the sciences. Those individuals with engineering (as well as physical science) interests will use the M.S.A.E. to develop careers as well as improve their skills in the aerospace and aviation industry. Students enrolling in the program on a full-time basis will likely assist engineering faculty in obtaining sponsored project funding and performing innovative aerospace and aviation engineering research.

For more information about your program including your graduate program handbook and learning outcomes please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

In addition to the general requirements for admission to the Graduate College, an applicant for the M.S. program must complete the following requirements:

1. Applicants must complete the on-line process in the Grad Rebel Gateway system.
2. Mechanical Engineering applicants must provide two additional items while completing the process in the Grad Rebel Gateway system:
 1. A written statement of purpose indicating interests and objectives in working toward a M.S. degree.
 2. Two letters of recommendation using the online recommendation system. There is no specified format. Each letter should detail the potential of the applicant for success in a Mechanical Engineering Ph.D. program.
3. The applicant must have a bachelor's degree in engineering or a closely related discipline. Admitted students with non-engineering backgrounds will be required to complete a set of course work requirements that will assure successful completion of the M.S. specialization and qualify the student to sit for the Fundamentals of Engineering (FE) exam. The Graduate Program Committee or Graduate Coordinator will specify a list of required undergraduate courses that must be completed within the first year. These courses are in addition to those required for the graduate degree.
4. The applicant must submit an official copy of the Graduate Record Examination (GRE) test scores. The GRE university code for UNLV is 4861. The Mechanical Engineering Department code is 1502. The minimum required score is at or above 70 percentile range in the quantitative reasoning section. The Graduate Program Committee can modify this

requirement if necessary. The GRE requirement is waived for students participating in the Integrated BS-MS track.

5. The GPC will examine the applicant's academic record and will make the final determination of the applicant's admissibility to the M.S. program. In general, a minimum post-baccalaureate GPA of 3.00 on a 4.00 scale or equivalent is required for admission in addition to a GPA of 3.00 on a 4.00 scale or equivalent in all engineering courses.
6. All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.

The Integrated BS-MS degree program is designed to provide high-achieving UNLV Mechanical Engineering undergraduate students with the opportunity to take graduate courses that can count toward both the B.S. and M.S. ME degree programs at UNLV. This will hopefully encourage them to continue with a graduate degree by reducing the time needed for degree completion. Up to nine credit hours of approved graduate-level course work can be taken as technical electives for the grade of B or better during the senior year and those credit hours will be waived for the graduate degree. The GRE requirement is waived for students participating in the Integrated BS-MS track. The following conditions are needed to enroll in the Integrated BS-MS program:

1. A minimum of two semesters of full-time enrollment in B.S. of Mechanical Engineering program is required.
2. Applications are normally submitted with two semesters remaining in the senior year.
3. A minimum of 90 credit hours of course work applicable to the B.S. of Mechanical Engineering degree with a cumulative GPA of 3.3 or higher must be completed before beginning the joint degree program.
4. Student has to choose the thesis option.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

See Subplan Requirements below.

Subplan 1 Requirements: Non-Thesis Track

Total Credits Required: 30

Course Requirements

Required Courses – Credits: 9

Complete three of the following courses:

- ME 609 - Turbomachinery
- ME 700 - Advanced Fluid Mechanics I
- ME 701 - Advanced Fluid Mechanics II

- ME 702 - Computational Fluid Dynamics
- ME 705 - Conduction Heat Transfer
- ME 706 - Convective Heat Transfer
- ME 740 - Advanced Dynamics
- ME 741 - Energy and Variational Methods in Applied Mechanics I

Core Courses – Credits: 6

Complete two of the following courses:

- ME 704 - Finite Element Applications in Mechanical Engineering
- ME 711 - Advanced Thermodynamics
- ME 717 - Transport Phenomena
- ME 720 - Acoustics I
- ME 721 - Acoustics II
- ME 725 - Vibrations I
- ME 726 - Vibrations II
- ME 729 - Advanced Robotics
- ME 774 - Introduction to Theory of Elasticity and Plasticity I
- ME 777 - Application of High-Performance Computing Methods in Science and Engineering

Elective Courses – Credits: 12

Complete 12 credits of elective coursework from within the College of Engineering. Courses from outside the College of Engineering may be taken with advisor approval.

Design Project – Credits: 3

- ME 796 - Design Project in Mechanical Engineering

Degree Requirements

1. Requires 30 credits of approved graduate courses. At least 18 credits must be earned from 700-level courses, and 15 credits must be in engineering.
2. Students must make satisfactory progress toward degree completion as defined below:
 1. File an approved degree program before the completion of nine credits of coursework.
 2. Complete at least six credits of the approved program per calendar year.
 3. Maintain a grade point average (GPA) of 3.00 on a 4.00 scale with no grades below C. Grades of C- or below are not acceptable.
3. Students must comply with Graduate College policy. If progress is not satisfactory, probation and separation may result, in accordance with the rules of the Graduate College.

Graduation Requirements

The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.

Successfully complete a design project.

Subplan 2 Requirements: Thesis Track

Total Credits Required: 30

Course Requirements

Required Courses – Credits: 9

Complete three of the following courses:

- ME 609 - Turbomachinery
- ME 700 - Advanced Fluid Mechanics I
- ME 701 - Advanced Fluid Mechanics II
- ME 702 - Computational Fluid Dynamics
- ME 705 - Conduction Heat Transfer
- ME 706 - Convective Heat Transfer
- ME 740 - Advanced Dynamics
- ME 741 - Energy and Variational Methods in Applied Mechanics I

Core Courses – Credits: 6

Complete two of the following courses:

- ME 704 - Finite Element Applications in Mechanical Engineering
- ME 711 - Advanced Thermodynamics
- ME 717 - Transport Phenomena
- ME 720 - Acoustics I
- ME 721 - Acoustics II
- ME 725 - Vibrations I
- ME 726 - Vibrations II
- ME 729 - Advanced Robotics
- ME 774 - Introduction to Theory of Elasticity and Plasticity I
- ME 777 - Application of High-Performance Computing Methods in Science and Engineering

Elective Courses – Credits: 9

Complete 9 credits of elective coursework from within the College of Engineering. Courses from outside the College of Engineering may be taken with advisor approval.

Thesis – Credits: 6

- ME 797 - Thesis in Mechanical Engineering

Degree Requirements

1. Requires 24 credits of approved graduate courses

plus six credits of work associated with the master's level thesis, for a total of 30 credits. At least 15 credits must be earned from 700-level courses, and at least 15 credits must be in engineering. The final examination will include a defense of thesis.

2. Students must make satisfactory progress toward degree completion as defined below:

1. File an approved degree program before the completion of nine credits of coursework.

2. Complete at least six credits of the approved program per calendar year.

3. Maintain a grade point average (GPA) of 3.00 on a 4.00 scale with no grades below C. Grades of C- or below are not acceptable.

3. Students must comply with Graduate College policy. If progress is not satisfactory, probation and separation may result, in accordance with the rules of the Graduate College.

4. The student must identify a Thesis Advisor within the first semester of joining the program. The student, in consultation with their Advisor, will form a Thesis Committee that includes at least four members:

1. One Thesis Advisor. A student may have two co-Advisors but they count as one committee member.

2. Two Mechanical Engineering Department faculty members.

3. One Graduate College representative. The student, in consultation with their Advisor, is responsible for inviting a committee member from within the university but outside the Mechanical Engineering Department. This person is responsible for ensuring consistency and fairness throughout the UNLV graduate programs.

Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.

2. The student must submit and successfully defend his/her thesis by the posted deadline. The defense must be advertised and is open to the public.

3. After the thesis defense, the student must electronically submit a properly formatted pdf copy of their thesis to the Graduate College for format check. Once the thesis format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for thesis defenses, format check submissions, and the final ProQuest submission can be found here.

Subplan 3 Requirements: Integrated BS-MS Track

Total Credits Required: 21-27

Students admitted into this track have taken 3, 6 or 9 credits of graduate level courses that were applied toward their B.S. degree in Mechanical Engineering at UNLV. These credits reduce the total needed to complete the M.S. degree.

Course Requirements

Required Courses – Credits: 9

Complete three of the following courses:

- ME 609 - Turbomachinery
- ME 700 - Advanced Fluid Mechanics I
- ME 701 - Advanced Fluid Mechanics II
- ME 702 - Computational Fluid Dynamics
- ME 705 - Conduction Heat Transfer
- ME 706 - Convective Heat Transfer
- ME 740 - Advanced Dynamics
- ME 741 - Energy and Variational Methods in Applied Mechanics I

Core Courses – Credits: 6

Complete two of the following courses:

- ME 704 - Finite Element Applications in Mechanical Engineering
- ME 711 - Advanced Thermodynamics
- ME 717 - Transport Phenomena
- ME 720 - Acoustics I
- ME 721 - Acoustics II
- ME 725 - Vibrations I
- ME 726 - Vibrations II
- ME 729 - Advanced Robotics
- ME 774 - Introduction to Theory of Elasticity and Plasticity I
- ME 777 - Application of High-Performance Computing Methods in Science and Engineering

Electives – Credits: 0-6

Complete 0-6 credits of elective coursework from within the College of Engineering. Courses from outside the College of Engineering may be taken with advisor approval.

Thesis – Credits: 6

ME 797 - Thesis in Mechanical Engineering

Degree Requirements

1. Total credits required depends on the total number

of approved graduate-level course work taken as technical electives (with a grade of B or better) during the senior year.

2. Requires 15-21 credits of approved graduate courses plus six credits of work associated with the master's level thesis, for a total of 21-27 credits. At least 15 credits must be earned from 700-level courses, and at least 15 credits must be in engineering. The final examination will include a defense of thesis.
3. Students must make satisfactory progress toward degree completion as defined below:
 1. File an approved degree program before the completion of nine credits of coursework.
 2. Complete at least six credits of the approved program per calendar year.
 3. Maintain a grade point average (GPA) of 3.00 on a 4.00 scale with no grades below C. Grades of C- or below are not acceptable.
4. The student must identify a Thesis Advisor within the first semester of joining the program. The student, in consultation with their Advisor, will form a Thesis Committee that includes at least four members:
 1. One Thesis Advisor. A student may have two co-Advisors but they count as one committee member.
 2. Two Mechanical Engineering Department faculty members.
 3. One Graduate College representative. The student, in consultation with their Advisor, is responsible for inviting a committee member from within the university but outside the Mechanical Engineering Department. This person is responsible for ensuring consistency and fairness throughout the UNLV graduate programs.

Graduation Requirements

The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.

The student must submit and successfully defend his/her thesis by the posted deadline. The defense must be advertised and is open to the public.

After the thesis defense, the student must electronically submit a properly formatted pdf copy of their thesis to the Graduate College for format check. Once the thesis format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for thesis defenses, format check submissions, and the final ProQuest submission can be found here.

Plan Graduation Requirements

Refer to your subplan for Graduation Requirements.

Master of Science - Biomedical Engineering

Plan Description

The objective of the M.S.B.E. degree program is to provide a graduate-level educational experience that will prepare individuals to undertake design and research in the area of biomedical engineering. The program is multidisciplinary and integrates knowledge from the traditional engineering sciences, the life sciences, and medicine.

Specific goals of the program include development of:

1. A thorough grounding in the life sciences;
2. Mastery of engineering tools and approaches;
3. Familiarity with the problems of making and interpreting quantitative measurements of living systems;
4. The ability to use modeling techniques; and
5. The ability to formulate and solve problems with medical relevance, including the design of devices, systems, and processes to improve human health.

For more information about your program, including your graduate program handbook and learning outcomes please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

In addition to the general requirements for admission to the Graduate College, an applicant for the M.S. program must complete the following requirements:

1. Applicants must complete the on-line process in the Grad Rebel Gateway system.
2. Mechanical Engineering applicants must provide two additional items while completing the process in the Grad Rebel Gateway system:
 1. A written statement of purpose indicating interests and objectives in working toward a M.S. degree.
 2. Two letters of recommendation using the online recommendation system. There is no specified format. Each letter should detail the potential of the applicant for success in a Mechanical Engineering M.S. program.
3. The applicant must have a bachelor's degree in engineering or a closely related discipline. Admitted students with non-engineering backgrounds will be required to complete a set of course work requirements that will assure successful completion

of the M.S. specialization and qualify the student to sit for the Fundamentals of Engineering (FE) exam. The Graduate Program Committee or Graduate Coordinator will specify a list of required undergraduate courses that must be completed within the first year. These courses are in addition to those required for the graduate degree.

4. The applicant must submit an official copy of the Graduate Record Examination (GRE) test scores. The GRE university code for UNLV is 4861. The Mechanical Engineering Department code is 1502. The minimum required score is at or above 70 percentile range in the quantitative reasoning section. The Graduate Program Committee can modify this requirement if necessary. The GRE requirement is waived for students participating in the Integrated BS-MS track.
5. The GPC will examine the applicant's academic record and will make the final determination of the applicant's admissibility to the M.S. program. In general, a minimum post baccalaureate GPA of 3.00 on a 4.00 scale or equivalent is required for admission in addition to a GPA of 3.00 on a 4.00 scale or equivalent in all engineering courses.
6. All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.

Students who have not taken at least three of the courses listed below (or their equivalent), will be required to do so in addition to course requirements listed below.

BIO 209 – Introduction to Cell Biology
BIO 360 – Mammalian Physiology
CHE 225 – Organic Chemistry I
BIOL 209 – Introduction to Cell Biology
BIOL 223 – Human Anatomy and Physiology I
BIOL 480 – Introduction to Biological Modeling
CHEM 220 – Introductory Organic Chemistry
CHEM 474 – Biochemistry I
CHEM 478 – Endocrinology
MATH 283 – Calculus III
MATH 427 – Differential Equations I
MATH 431 – Mathematics for Engineers and Scientists I
STAT 463 – Applied Statistics for Engineers
ME 301 – Structure and Properties of Solids
ME 302 – Material Mechanics
ME 311 – Engineering Thermodynamics
ME 314 – Introduction to Heat Transfer
ME 380 – Fluid Dynamics for Mechanical Engineers
ME 402 – Computational Methods for Engineers
ME 421 – Automatic Controls
ME 425 – Robotics

The Integrated BS-MS degree program is designed to provide high-achieving UNLV Mechanical Engineering undergraduate students with the opportunity to take graduate courses that can count toward both the B.S. and M.S. ME degree programs at UNLV. This will hopefully encourage them to continue with a graduate degree by

reducing the time needed for degree completion. Up to nine credit hours of approved graduate-level course work can be taken as technical electives for the grade of B or better during the senior year and those credit hours will be waived for the graduate degree. The GRE requirement is waived for students participating in the Integrated BS-MS track. The following conditions are needed to enroll in the Integrated BS-MS program:

1. A minimum of two semesters of full-time enrollment in B.S. of Mechanical Engineering program is required.
2. Applications are normally submitted with two semesters remaining in the senior year.
3. A minimum of 90 credit hours of course work applicable to the B.S. of Mechanical Engineering degree with a cumulative GPA of 3.3 or higher must be completed before beginning the joint degree program.
4. Student has to choose the thesis option.

All applicants must review and follow the Graduate College Admission and Registration Requirements.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

See Subplan Requirements below.

Subplan 1 Requirements: Non-Thesis Track

Total Credits Required: 30

Course Requirements

Required Courses – Credits: 27

Complete 27 credits of advisor-approved common core introductory biomedical engineering and health science courses.

Design Project – Credits: 3

ME 796 - Design Project in Mechanical Engineering

Degree Requirements

1. Requires 30 credits of approved graduate courses. At least 18 credits must be earned from 700-level courses, and 15 credits must be in engineering.
2. Students must make satisfactory progress toward degree completion as defined below:
 1. File an approved degree program before the completion of nine credits of coursework.
 2. Complete at least six credits of the approved program per calendar year.
 3. Maintain a grade point average (GPA) of 3.00 on a 4.00 scale with no grades below C. Grades of C- or below are not acceptable.

3. Students must comply with Graduate College policy. If progress is not satisfactory, probation and separation may result, in accordance with the rules of the Graduate College.

4. Courses numbered below 600 do not count toward the hours required for the M.S. degree.

Graduation Requirements

The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.

Successfully complete a design project.

Subplan 2 Requirements: Thesis Track

Total Credits Required: 30

Course Requirements

Required Courses – Credits: 24

Complete 24 credits of advisor-approved common core introductory biomedical engineering and health science courses.

Thesis – Credits: 6

- ME 797 - Thesis in Mechanical Engineering

Degree Requirements

1. Requires 24 credits of approved graduate courses plus six credits of work associated with the master's level thesis, for a total of 30 credits. At least 15 credits must be earned from 700-level courses, and at least 15 credits must be in engineering. The final examination will include a defense of thesis.
2. Students must make satisfactory progress toward degree completion as defined below:
 1. File an approved degree program before the completion of nine credits of coursework.
 2. Complete at least six credits of the approved program per calendar year.
 3. Maintain a grade point average (GPA) of 3.00 on a 4.00 scale with no grades below C. Grades of C- or below are not acceptable.
3. Students must comply with Graduate College policy. If progress is not satisfactory, probation and separation may result, in accordance with the rules of the Graduate College.
4. Courses numbered below 600 do not count toward the hours required for the M.S. degree.
5. The student must identify a Thesis Advisor within the first semester of joining the program. The student, in consultation with their Advisor, will form a Thesis Committee that includes at least four members:

1. ... One Thesis Advisor. A student may have two co-Advisors but they count as one committee member.

2. Two Mechanical Engineering Department faculty members.

3. One Graduate College representative. The student, in consultation with their Advisor, is responsible for inviting a committee member from within the university but outside the Mechanical Engineering Department. This person is responsible for ensuring consistency and fairness throughout the UNLV graduate programs.

Graduation Requirements

- The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
- The student must submit and successfully defend his/her thesis by the posted deadline. The defense must be advertised and is open to the public.
- After the thesis defense, the student must electronically submit a properly formatted pdf copy of their thesis to the Graduate College for format check. Once the thesis format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for thesis defenses, format check submissions, and the final ProQuest submission can be found here.

Subplan 3 Requirements: Integrated BS-MS Track

Total Credits Required: 21-27

Students admitted into this track have taken 3, 6 or 9 credits of graduate level courses that were applied toward their B.S. degree in Mechanical Engineering at UNLV. These credits reduce the total needed to complete the M.S. degree.

Course Requirements

Required Courses – Credits: 15-21

Complete 15-21 credits of advisor-approved common core introductory biomedical engineering and health science courses.

Thesis – Credits: 6

- ME 797 - Thesis in Mechanical Engineering

Degree Requirements

1. Total credits required depends on the total number of approved graduate-level course work taken as technical electives (with a grade of B or better) during the senior year.
2. Requires 15-21 credits of approved graduate courses plus six credits of work associated with the master's level thesis, for a total of 21-27 credits. At least 15 credits must be earned from 700-level courses, and

at least 15 credits must be in engineering. The final examination will include a defense of thesis.

3. Students must make satisfactory progress toward degree completion as defined below.

1. File an approved degree program before the completion of nine credits of coursework.

2. Complete at least six credits of the approved program per calendar year.

3. ... Maintain a grade point average (GPA) of 3.00 on a 4.00 scale with no grades below C. Grades of C- or below are not acceptable.

4. Courses numbered below 600 do not count toward the hours required for the M.S. degree.

5. The student must identify a Thesis Advisor within the first semester of joining the program. The student, in consultation with their Advisor, will form a Thesis Committee that includes at least four members:

6. One Thesis Advisor. A student may have two co-Advisors but they count as one committee member.

7. Two Mechanical Engineering Department faculty members.

8. One Graduate College representative. The student, in consultation with their Advisor, is responsible for inviting a committee member from within the university but outside the Mechanical Engineering Department. This person is responsible for ensuring consistency and fairness throughout the UNLV graduate programs.

Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.

2. The student must submit and successfully defend his/her thesis by the posted deadline. The defense must be advertised and is open to the public.

3. After the thesis defense, the student must electronically submit a properly formatted pdf copy of their thesis to the Graduate College for format check. Once the thesis format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for thesis defenses, format check submissions, and the final ProQuest submission can be found here.

Plan Graduation Requirements

Refer to your subplan for Graduation Requirements.

Master of Science - Materials and Nuclear Engineering

Plan Description

The Master of Science degree is intended to provide the student with a solid background in either applied nuclear science and engineering, with an emphasis in used fuel management, criticality, or radiation detection, or material science and engineering, with an emphasis in materials performance. The program consists of two master's degree tracks: Materials Engineering and Nuclear Engineering. The materials engineering track consists of a core curriculum in material science, metallurgy, and materials performance, which is to be augmented by advanced level classes in corrosion engineering, physical metallurgy, mechanical metallurgy, mechanics of materials, and nuclear materials. The nuclear engineering track consists of a core curriculum in applied nuclear science and engineering, coupled with advanced classes in the student's sub discipline.

For more information about your program including your graduate program handbook and learning outcomes please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

In addition to the general requirements for admission to the Graduate College, an applicant for the M.S. program must complete the following requirements:

1. Applicants must complete the on-line process in the Grad Rebel Gateway system.
2. Mechanical Engineering applicants must provide two additional items while completing the process in the Grad Rebel Gateway system:
 1. A written statement of purpose indicating interests and objectives in working toward a M.S. degree.
 2. Two letters of recommendation using the online recommendation system. There is no specified format. Each letter should detail the potential of the applicant for success in this M.S. program.
3. The applicant must have a bachelor's degree in engineering or a closely related discipline. Admitted students with non-engineering backgrounds will be required to complete a set of courses that will assure successful completion of the M.S. specialization and qualify the student to sit for the Fundamentals of Engineering (FE) exam. The Graduate Program Committee or Graduate Coordinator will specify a list of required undergraduate courses that must be completed within the first year. These courses are in addition to those required for the graduate degree.
4. The applicant must submit an official copy of the

Graduate Record Examination (GRE) test scores. The GRE university code for UNLV is 4861. The Mechanical Engineering Department code is 1502. The minimum required score is at or above 70 percentile range in the quantitative reasoning section. The Graduate Program Committee can modify this requirement if necessary. The GRE requirement is waived for students participating in the Integrated BS-MS track.

5. The GPC will examine the applicant's academic record and will make the final determination of the applicant's admissibility to the M.S. program. In general, a minimum post baccalaureate GPA of 3.00 on a 4.00 scale or equivalent is required for admission in addition to a GPA of 3.00 on a 4.00 scale or equivalent in all engineering courses.
6. All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.

The Integrated BS-MS degree program is designed to provide high-achieving UNLV Mechanical Engineering undergraduate students with the opportunity to take graduate courses that can count toward both the B.S. and M.S. ME degree programs at UNLV. This will hopefully encourage them to continue with a graduate degree by reducing the time needed for degree completion. Up to nine credit hours of approved graduate-level course work can be taken as technical electives for the grade of B or better during the senior year and those credit hours will be waived for the graduate degree. The GRE requirement is waived for students participating in the Integrated BS-MS track. The following conditions are needed to enroll in the Integrated BS-MS program:

1. A minimum of two semesters of full-time enrollment in B.S. of Mechanical Engineering program is required.
2. Applications are normally submitted with two semesters remaining in the senior year.
3. A minimum of 90 credit hours of course work applicable to the B.S. of Mechanical Engineering degree with a cumulative GPA of 3.3 or higher must be completed before beginning the joint degree program.

Student has to choose the thesis option.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

See Subplan Requirements below.

Subplan 1 Requirements: Non-Thesis Track

Total Credits Required: 30

Course Requirements

Required Courses - Credits: 9

Select one of the following specializations and complete three courses:

Materials Engineering

- ME 622 - Nanomaterials for Energy Applications
- ME 630 - Corrosion Engineering
- ME 646 - Composite Materials
- ME 695 - Special Topics in Engineering
- ME 732 - Mechanical Metallurgy
- ME 734 - Fracture of Engineering Materials
- ME 741 - Energy and Variational Methods in Applied Mechanics I

Nuclear Engineering

- ME 655 - Fundamentals of Nuclear Engineering
 - ME 706 - Convective Heat Transfer
 - ME 754 - Introduction to Nuclear Criticality Safety
 - ME 755 - Nuclear Criticality Safety Engineering
 - ME 756 - Monte Carlo Methods in Nuclear Engineering
 - ME 757 - Radiation Monitoring and Safeguards Systems
 - ME 758 - Accelerator Applications in Nuclear Engineering
 - ME 760 - Waste Management And The Nuclear Fuel Cycle
 - ME 762 - Nuclear Power Engineering
 - ME 763 - Nuclear Reactor Analysis
- PHYS 631 - Nuclear and Elementary Particle Physics

Or

- RDCH 701 - Applied Nuclear Physics

Electives - Credits: 18

Complete 18 credits of elective coursework from within the College of Engineering. Courses from outside the College of Engineering may be taken with advisor approval.

Suggested Electives for Materials Engineering Track

- ME 650 - Physical Metallurgy
- ME 670 - Experimental Mechanics of Materials
- ME 742 - Energy and Variational Methods in Applied Mechanics II

Suggested Electives for Nuclear Engineering Track

- ME 615 - Design of Thermal Systems
- ME 702 - Computational Fluid Dynamics
- ME 705 - Conduction Heat Transfer
- ME 707 - Radiation Heat Transfer

- ME 708 - Convective Boiling and Condensation
- ME 711 - Advanced Thermodynamics

Design Project - Credits: 3

- ME 796 - Design Project in Mechanical Engineering

Degree Requirements

1. Requires 30 credits of approved graduate courses. At least 18 credits must be earned from 700-level courses, and 15 credits must be in engineering.
2. Students must make satisfactory progress toward degree completion as defined below:
 1. File an approved degree program before the completion of nine credits of coursework.
 2. Complete at least six credits of the approved program per calendar year.
 3. Maintain a grade point average (GPA) of 3.00 on a 4.00 scale with no grades below C. Grades of C- or below are not acceptable.
3. Students must comply with Graduate College policy. If progress is not satisfactory, probation and separation may result, in accordance with the rules of the Graduate College.

Graduation Requirements

The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.

Successfully complete a design project.

Subplan 2 Requirements: Thesis Track

Total Credits Required: 30

Course Requirements

Required Courses - Credits: 9

Select one of the following specializations and complete three courses:

Materials Engineering

- ME 622 – Nanomaterials for Energy Application
- ME 630 - Corrosion Engineering
- ME 646 - Composite Materials
- ME 695 - Special Topics in Engineering
- ME 732 - Mechanical Metallurgy
- ME 734 - Fracture of Engineering Materials
- ME 741 - Energy and Variational Methods in Applied Mechanics I

Nuclear Engineering

- ME 655 - Fundamentals of Nuclear Engineering

- ME 706 - Convective Heat Transfer
- ME 754 - Introduction to Nuclear Criticality Safety
- ME 755 - Nuclear Criticality Safety Engineering
- ME 756 - Monte Carlo Methods in Nuclear Engineering
- ME 757 - Radiation Monitoring and Safeguards Systems
- ME 758 - Accelerator Applications in Nuclear Engineering
- ME 760 - Waste Management And The Nuclear Fuel Cycle
- ME 762 - Nuclear Power Engineering
- ME 763 - Nuclear Reactor Analysis
- PHYS 631 - Nuclear and Elementary Particle Physics

Or

- RDCH 701 - Applied Nuclear Physics

Electives - Credits: 15

Complete 15 credits of elective coursework from within the College of Engineering. Courses from outside the College of Engineering may be taken with advisor approval.

Suggested Electives for Materials Engineering Track

- ME 650 - Physical Metallurgy
- ME 670 - Experimental Mechanics of Materials
- ME 742 - Energy and Variational Methods in Applied Mechanics II

Suggested Electives for Nuclear Engineering Track

- ME 615 - Design of Thermal Systems
- ME 702 - Computational Fluid Dynamics
- ME 705 - Conduction Heat Transfer
- ME 707 - Radiation Heat Transfer
- ME 708 - Convective Boiling and Condensation
- ME 711 - Advanced Thermodynamics

Thesis - Credits: 6

- ME 797 - Thesis in Mechanical Engineering

Degree Requirements

1. Requires 24 credits of approved graduate courses plus six credits of work associated with the master's level thesis, for a total of 30 credits. At least 15 credits must be earned from 700-level courses, and at least 15 credits must be in engineering. The final examination will include a defense of thesis.
2. Students must make satisfactory progress toward degree completion as defined below:
 1. File an approved degree program before the completion of nine credits of coursework.

2. Complete at least six credits of the approved program per calendar year.

3. Maintain a grade point average (GPA) of 3.00 on a 4.00 scale with no grades below C. Grades of C- or below are not acceptable.

3. Students must comply with Graduate College policy. If progress is not satisfactory, probation and separation may result, in accordance with the rules of the Graduate College.

4. The student must identify a Thesis Advisor within the first semester of joining the program. The student, in consultation with their Advisor, will form a Thesis Committee that includes at least four members:

1. One Thesis Advisor. A student may have two co-Advisors but they count as one committee member.

2. Two Mechanical Engineering Department faculty members.

3. One Graduate College representative. The student, in consultation with their Advisor, is responsible for inviting a committee member from within the university but outside the Mechanical Engineering Department. This person is responsible for ensuring consistency and fairness throughout the UNLV graduate programs.

Graduation Requirements

The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.

The student must submit and successfully defend his/her thesis by the posted deadline. The defense must be advertised and is open to the public.

After the thesis defense, the student must electronically submit a properly formatted pdf copy of their thesis to the Graduate College for format check. Once the thesis format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for thesis defenses, format check submissions, and the final ProQuest submission can be found here.

- Subplan 3 Requirements: Integrated BS-MS Track

Total Credits Required: 21-27

Students admitted into this track have taken 3, 6 or 9 credits of graduate level courses that were applied toward their B.S. degree in Mechanical Engineering at UNLV. These credits reduce the total needed to complete the M.S. degree.

Course Requirements

Required Courses - Credits: 9

Select one of the following specializations and complete

three courses:

Materials Engineering

- ME 622 - Nanomaterials for Energy Applications
- ME 630 - Corrosion Engineering
- ME 646 - Composite Materials
- ME 695 - Special Topics in Engineering
- ME 732 - Mechanical Metallurgy
- ME 734 - Fracture of Engineering Materials
- ME 741 - Energy and Variational Methods in Applied Mechanics I

Nuclear Engineering

- ME 655 - Fundamentals of Nuclear Engineering
- ME 754 - Introduction to Nuclear Criticality Safety
- ME 706 - Convective Heat Transfer
- ME 755 - Nuclear Criticality Safety Engineering
- ME 756 - Monte Carlo Methods in Nuclear Engineering
- ME 757 - Radiation Monitoring and Safeguards Systems
- ME 758 - Accelerator Applications in Nuclear Engineering
- ME 760 - Waste Management And The Nuclear Fuel Cycle
- ME 762 - Nuclear Power Engineering
- ME 763 - Nuclear Reactor Analysis
- PHYS 631 - Nuclear and Elementary Particle Physics

Or

- RDCH 701 - Applied Nuclear Physics

Electives - Credits: 6-12

Complete 6-12 credits of elective coursework from within the College of Engineering. Courses from outside the College of Engineering may be taken with advisor approval.

Suggested Electives for Materials Engineering Track

- ME 615 - Design of Thermal Systems
- ME 650 - Physical Metallurgy
- ME 670 - Experimental Mechanics of Materials
- ME 742 - Energy and Variational Methods in Applied Mechanics II

Suggested Electives for Nuclear Engineering Track

- ME 615 - Design of Thermal Systems
- ME 702 - Computational Fluid Dynamics
- ME 705 - Conduction Heat Transfer
- ME 707 - Radiation Heat Transfer

- ME 708 - Convective Boiling and Condensation
- ME 711 - Advanced Thermodynamics

Thesis - Credits: 6

- ME 797 - Thesis in Mechanical Engineering

Degree Requirements

1. Total credits required depends on the total number of approved graduate-level course work taken as technical electives (with a grade of B or better) during the senior year.
2. Requires 15-21 credits of approved graduate courses plus six credits of work associated with the master's level thesis, for a total of 21-27 credits. At least 15 credits must be earned from 700-level courses, and at least 15 credits must be in engineering. The final examination will include a defense of thesis.
3. Students must make satisfactory progress toward degree completion as defined below:
 1. File an approved degree program before the completion of nine credits of coursework.
 2. Complete at least six credits of the approved program per calendar year.
 3. ...Maintain a grade point average (GPA) of 3.00 on a 4.00 scale with no grades below C. Grades of C- or below are not acceptable.
4. Only those courses in which a student received a grade of C or better may be used for graduate credit. Students must comply with Graduate College policy.
5. The student must identify a Thesis Advisor within the first semester of joining the program. The student, in consultation with their Advisor, will form a Thesis Committee that includes at least four members:

1. One Thesis Advisor. A student may have two co-Advisors but they count as one committee member.
2. Two Mechanical Engineering Department faculty members.
3. One Graduate College representative. The student, in consultation with their Advisor, is responsible for inviting a committee member from within the university but outside the Mechanical Engineering Department. This person is responsible for ensuring consistency and fairness throughout the UNLV graduate programs.

Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
2. The student must submit and successfully defend his/

her thesis by the posted deadline. The defense must be advertised and is open to the public.

3. After the thesis defense, the student must electronically submit a properly formatted pdf copy of their thesis to the Graduate College for format check. Once the thesis format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for thesis defenses, format check submissions, and the final ProQuest submission can be found here.

Plan Graduation Requirements

Refer to your subplan for Graduation Requirements.

Master of Science in Engineering - Mechanical Engineering

Plan Description

The Master of Science degree is designed to give post baccalaureate students a broad understanding of the mechanical engineering field while providing some depth in a specific option area. Option areas include Dynamic Systems and Controls, Fluid and Thermal Sciences, Materials and Mechanics, Engineering Management, Mechanical and Environmental Systems, Nuclear Engineering, and Aerospace Engineering. Applicants who choose the M.S.E. program usually have an interest in more than one aspect of Mechanical Engineering. They are interested in gaining research and/or design experience to become better prepared for the workforce or further graduate study. Graduates from the program have gone to work in a broad range of industries including automotive, aerospace, nuclear, energy, oil, entertainment, HVAC, defense, utilities, and manufacturing. Graduates have also enrolled in some of the top Ph.D. programs in the country.

For more information about your program, including your graduate program handbook and learning outcomes, please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

In addition to the general requirements for admission to the Graduate College, an applicant for the M.S. program must complete the following requirements:

1. Applicants must complete the on-line process in the Grad Rebel Gateway system.

2. Mechanical Engineering applicants must provide two additional items while completing the process in the Grad Rebel Gateway system:

1. A written statement of purpose indicating interests and objectives in working toward a M.S. degree.
2. Two letters of recommendation using the online recommendation system. There is no specified format. Each letter should detail the potential of the applicant for success in a Mechanical Engineering M.S. program.

3. The applicant must have a bachelor's degree in engineering or a closely related discipline. Admitted students with non-engineering backgrounds will be required to complete a set of course work requirements that will assure successful completion of the M.S. specialization and qualify the student to sit for the Fundamentals of Engineering (FE) exam. The Graduate Program Committee or Graduate Coordinator will specify a list of required undergraduate courses that must be completed within the first year. These courses are in addition to those required for the graduate degree.
4. The applicant must submit an official copy of the Graduate Record Examination (GRE) test scores. The GRE university code for UNLV is 4861. The Mechanical Engineering Department code is 1502. The minimum required score is at or above 70 percentile range in the quantitative reasoning section. The Graduate Program Committee can modify this requirement if necessary. The GRE requirement is waived for students participating in the Integrated BS-MS track.
5. The GPC will examine the applicant's academic record and will make the final determination of the applicant's admissibility to the M.S. program. In general, a minimum post-baccalaureate GPA of 3.00 on a 4.00 scale or equivalent is required for admission in addition to a GPA of 3.00 on a 4.00 scale or equivalent in all engineering courses.
6. All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.

The Integrated BS-MS degree program is designed to provide high-achieving UNLV Mechanical Engineering undergraduate students with the opportunity to take graduate courses that can count toward both the B.S. and M.S. ME degree programs at UNLV. This will hopefully encourage them to continue with a graduate degree by reducing the time needed for degree completion. Up to nine credit hours of approved graduate-level course work can be taken as technical electives for the grade of B or better during the senior year and those credit hours will be waived during the graduate degree. The GRE requirement is waived for students participating in the Integrated BS-MS track. The following conditions are needed to enroll in the Integrated BS-MS program:

1. A minimum of two semesters of full-time enrollment in B.S. of Mechanical Engineering program is required.
2. Applications are normally submitted with two semesters remaining in the senior year.
3. A minimum of 90 credit hours of course work applicable to the B.S. of Mechanical Engineering degree with a cumulative GPA of 3.3 or higher must be completed before beginning the joint degree program.
4. Student has to choose the thesis option.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

See Subplan Requirements below.

Subplan 1 Requirements: Non-Thesis Track

Total Credits Required: 30

Course Requirements

Required Courses – Credits: 9

Select one of the following specializations and complete three courses:

Dynamic Systems and Controls

- ME 625 - Robotics
- ME 629 - Computer Control of Machines and Processes
- ME 653 - Mechanical Vibrations
- ME 725 - Vibrations I
- ME 726 - Vibrations II
- ME 729 - Advanced Robotics
- ME 740 - Advanced Dynamics
- ME 741 - Energy and Variational Methods in Applied Mechanics I
- ME 746 - Experimental Design and Analysis of Digital Process Control Systems

Fluid/Thermosciences

- ME 700 - Advanced Fluid Mechanics I
- ME 701 - Advanced Fluid Mechanics II
- ME 702 - Computational Fluid Dynamics
- ME 703 - Continuum Mechanics
- ME 704 - Finite Element Applications in Mechanical Engineering
- ME 705 - Conduction Heat Transfer
- ME 706 - Convective Heat Transfer
- ME 707 - Radiation Heat Transfer

- ME 708 - Convective Boiling and Condensation
- ME 710 - Transport Phenomena in Bioengineering
- ME 711 - Advanced Thermodynamics
- ME 714 - Computational Aspects of Solar Energy
- ME 717 - Transport Phenomena

Materials and Mechanics

- ME 641 - Advanced Mechanical Engineering Design
- ME 643 - Design Techniques in Mechanical Engineering
- ME 646 - Composite Materials
- ME 732 - Mechanical Metallurgy
- ME 734 - Fracture of Engineering Materials
- ME 741 - Energy and Variational Methods in Applied Mechanics I
- ME 742 - Energy and Variational Methods in Applied Mechanics II
- ME 743 - Applied Dynamic Finite Element Analysis

Engineering Management

- CEE 609 - Engineering Project Management
- MBA 763 - Leadership, Teams, and Individuals
- MBA 769 - Applied Economic Analysis
- MBA 767 - Market Opportunity Analysis
- MBA 771 - Law and Ethics
- MBA 775 - Data Modeling and Analysis
- ME 626 - Manufacturing Processes
- ME 701 - Advanced Fluid Mechanics II
- ME 727 - Engineering Optimization

Mechanical and Environmental Systems

- ME 618 - Air Conditioning Engineering Systems
- ME 634 - Noise Control
- ME 653 - Mechanical Vibrations
- ME 700 - Advanced Fluid Mechanics I
- ME 706 - Convective Heat Transfer
- ME 720 - Acoustics I
- ME 721 - Acoustics II
- ME 725 - Vibrations I
- ME 726 - Vibrations II

Nuclear Engineering

- ME 630 - Corrosion Engineering
- ME 655 - Fundamentals of Nuclear Engineering
- ME 656 - Radioactive Waste Management

- ME 705 - Conduction Heat Transfer
- ME 706 - Convective Heat Transfer
- ME 707 - Radiation Heat Transfer
- ME 708 - Convective Boiling and Condensation

Aerospace

- ME 700 - Advanced Fluid Mechanics I
- ME 701 - Advanced Fluid Mechanics II
- ME 702 - Computational Fluid Dynamics
- ME 705 - Conduction Heat Transfer
- ME 706 - Convective Heat Transfer
- ME 740 - Advanced Dynamics
- ME 741 - Energy and Variational Methods in Applied Mechanics I

Electives – Credits: 18

Complete 18 credits of elective coursework from within the College of Engineering. Courses from outside the College of Engineering may be taken with advisor approval.

Design Project – Credits: 3

- ME 796 - Design Project in Mechanical Engineering

Degree Requirements

1. Requires 30 credits of approved graduate courses. At least 18 credits must be earned from 700-level courses, and 15 credits must be in engineering.
2. Students must make satisfactory progress toward degree completion as defined below:
 1.File an approved degree program before the completion of nine credits of coursework.
 2. Complete at least six credits of the approved program per calendar year.
 3. ...Maintain a grade point average (GPA) of 3.00 on a 4.00 scale with no grades below C. Grades of C- or below are not acceptable.
3. Students must comply with Graduate College policy. If progress is not satisfactory, probation and separation may result, in accordance with the rules of the Graduate College.

Graduation Requirements

The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.

Successfully complete a design project.

Subplan 2 Requirements: Thesis Track

Total Credits Required: 30

Course Requirements

Required Courses – Credits: 9

Select one of the following specializations and complete three courses:

Dynamic Systems and Controls

- ME 625 - Robotics
- ME 629 - Computer Control of Machines and Processes
- ME 653 - Mechanical Vibrations
- ME 725 - Vibrations I
- ME 726 - Vibrations II
- ME 729 - Advanced Robotics
- ME 740 - Advanced Dynamics
- ME 741 - Energy and Variational Methods in Applied Mechanics I
- ME 746 - Experimental Design and Analysis of Digital Process Control Systems

Fluid/Thermosciences

- ME 700 - Advanced Fluid Mechanics I
- ME 701 - Advanced Fluid Mechanics II
- ME 702 - Computational Fluid Dynamics
- ME 703 - Continuum Mechanics
- ME 704 - Finite Element Applications in Mechanical Engineering
- ME 705 - Conduction Heat Transfer
- ME 706 - Convective Heat Transfer
- ME 707 - Radiation Heat Transfer
- ME 708 - Convective Boiling and Condensation
- ME 710 - Transport Phenomena in Bioengineering
- ME 711 - Advanced Thermodynamics
- ME 714 - Computational Aspects of Solar Energy
- ME 717 - Transport Phenomena

Materials and Mechanics

- ME 641 - Advanced Mechanical Engineering Design
- ME 643 - Design Techniques in Mechanical Engineering
- ME 646 - Composite Materials
- ME 732 - Mechanical Metallurgy
- ME 734 - Fracture of Engineering Materials
- ME 741 - Energy and Variational Methods in Applied Mechanics I
- ME 742 - Energy and Variational Methods in Applied Mechanics II
- ME 743 - Applied Dynamic Finite Element Analysis

Engineering Management

- CEE 609 - Engineering Project Management
- MBA 763 - Leadership, Teams, and Individuals
- MBA 769 - Applied Economic Analysis
- MBA 767 - Market Opportunity Analysis
- MBA 771 - Law and Ethics
- MBA 775 - Data Modeling and Analysis
- ME 626 - Manufacturing Processes
- ME 701 - Advanced Fluid Mechanics II
- ME 727 - Engineering Optimization

Mechanical and Environmental Systems

- ME 618 - Air Conditioning Engineering Systems
- ME 634 - Noise Control
- ME 653 - Mechanical Vibrations
- ME 700 - Advanced Fluid Mechanics I
- ME 706 - Convective Heat Transfer
- ME 720 - Acoustics I
- ME 721 - Acoustics II
- ME 725 - Vibrations I
- ME 726 - Vibrations II

Nuclear Engineering

- ME 630 - Corrosion Engineering
- ME 655 - Fundamentals of Nuclear Engineering
- ME 656 - Radioactive Waste Management
- ME 705 - Conduction Heat Transfer
- ME 706 - Convective Heat Transfer
- ME 707 - Radiation Heat Transfer
- ME 708 - Convective Boiling and Condensation

Aerospace

- ME 700 - Advanced Fluid Mechanics I
- ME 701 - Advanced Fluid Mechanics II
- ME 702 - Computational Fluid Dynamics
- ME 705 - Conduction Heat Transfer
- ME 706 - Convective Heat Transfer
- ME 740 - Advanced Dynamics
- ME 741 - Energy and Variational Methods in Applied Mechanics I

Electives – Credits: 15

Complete 15 credits of elective coursework from within the College of Engineering. Courses from outside the College of Engineering may be taken with advisor approval.

Thesis – Credits: 6

- ME 797 - Thesis in Mechanical Engineering

Degree Requirements

1. Requires 24 credits of approved graduate courses plus six credits of work associated with the master's level thesis, for a total of 30 credits. At least 15 credits must be earned from 700-level courses, and at least 15 credits must be in engineering. The final examination will include a defense of thesis.
2. Students must make satisfactory progress toward degree completion as defined below:
 1. File an approved degree program before the completion of nine credits of coursework.
 2. Complete at least six credits of the approved program per calendar year.
 3. Maintain a grade point average (GPA) of 3.00 on a 4.00 scale with no grades below C. Grades of C- or below are not acceptable.
3. Students must comply with Graduate College policy. If progress is not satisfactory, probation and separation may result, in accordance with the rules of the Graduate College.
4. The student must identify a Thesis Advisor within the first semester of joining the program. The student, in consultation with their Advisor, will form a Thesis Committee that includes at least four members:
 1. One Thesis Advisor. A student may have two co-Advisors but they count as one committee member.
 2. Two Mechanical Engineering Department faculty members.
 3. One Graduate College representative. The student, in consultation with their Advisor, is responsible for inviting a committee member from within the university but outside the Mechanical Engineering Department. This person is responsible for ensuring consistency and fairness throughout the UNLV graduate programs.

Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
2. The student must submit and successfully defend his/her thesis by the posted deadline. The defense must be advertised and is open to the public.
3. After the thesis defense, the student must electronically submit a properly formatted pdf copy of their thesis to the Graduate College for format check. Once the thesis format has been approved

by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for thesis defenses, format check submissions, and the final ProQuest submission can be found here.

Subplan 3 Requirements: Integrated BS-MS Track

Total Credits Required: 21-27

Students admitted into this track have taken 3, 6 or 9 credits of graduate level courses that were applied toward their B.S. degree in Mechanical Engineering at UNLV. These credits reduce the total needed to complete the M.S. degree.

Course Requirements

Required Courses – Credits: 9

Select one of the following specializations and complete three courses:

Dynamic Systems and Controls

- ME 625 - Robotics
- ME 629 - Computer Control of Machines and Processes
- ME 653 - Mechanical Vibrations
- ME 725 - Vibrations I
- ME 726 - Vibrations II
- ME 729 - Advanced Robotics
- ME 740 - Advanced Dynamics
- ME 741 - Energy and Variational Methods in Applied Mechanics I
- ME 746 - Experimental Design and Analysis of Digital Process Control Systems

Fluid/Thermosciences

- ME 700 - Advanced Fluid Mechanics I
- ME 701 - Advanced Fluid Mechanics II
- ME 702 - Computational Fluid Dynamics
- ME 703 - Continuum Mechanics
- ME 704 - Finite Element Applications in Mechanical Engineering
- ME 705 - Conduction Heat Transfer
- ME 706 - Convective Heat Transfer
- ME 707 - Radiation Heat Transfer
- ME 708 - Convective Boiling and Condensation
- ME 710 - Transport Phenomena in Bioengineering
- ME 711 - Advanced Thermodynamics
- ME 714 - Computational Aspects of Solar Energy
- ME 717 - Transport Phenomena

Materials and Mechanics

- ME 641 - Advanced Mechanical Engineering Design
- ME 643 - Design Techniques in Mechanical Engineering
- ME 646 - Composite Materials
- ME 732 - Mechanical Metallurgy
- ME 734 - Fracture of Engineering Materials
- ME 741 - Energy and Variational Methods in Applied Mechanics I
- ME 742 - Energy and Variational Methods in Applied Mechanics II
- ME 743 - Applied Dynamic Finite Element Analysis

Engineering Management

- CEE 609 - Engineering Project Management
- MBA 763 - Leadership, Teams, and Individuals
- MBA 767 - Market Opportunity Analysis
- MBA 769 - Applied Economic Analysis
- MBA 771 - Law and Ethics
- MBA 775 - Data Modeling and Analysis
- ME 626 - Manufacturing Processes
- ME 701 - Advanced Fluid Mechanics II
- ME 727 - Engineering Optimization

Mechanical and Environmental Systems

- ME 618 - Air Conditioning Engineering Systems
- ME 634 - Noise Control
- ME 653 - Mechanical Vibrations
- ME 700 - Advanced Fluid Mechanics I
- ME 706 - Convective Heat Transfer
- ME 720 - Acoustics I
- ME 721 - Acoustics II
- ME 725 - Vibrations I
- ME 726 - Vibrations II

Nuclear Engineering

- ME 630 - Corrosion Engineering
- ME 655 - Fundamentals of Nuclear Engineering
- ME 656 - Radioactive Waste Management
- ME 705 - Conduction Heat Transfer
- ME 706 - Convective Heat Transfer
- ME 707 - Radiation Heat Transfer
- ME 708 - Convective Boiling and Condensation

Aerospace

- ME 700 - Advanced Fluid Mechanics I

- ME 701 - Advanced Fluid Mechanics II
- ME 702 - Computational Fluid Dynamics
- ME 705 - Conduction Heat Transfer
- ME 706 - Convective Heat Transfer
- ME 740 - Advanced Dynamics
- ME 741 - Energy and Variational Methods in Applied Mechanics I

Electives – Credits: 6 -12

Complete 6-12 credits of elective coursework from within the College of Engineering. Courses from outside the College of Engineering may be taken with advisor approval.

Thesis – Credits: 6

- ME 797 - Thesis in Mechanical Engineering

Degree Requirements

1. Total credits required depends on the total number of approved graduate-level course work taken as technical electives (with a grade of B or better) during the senior year.
2. Requires 15-21 credits of approved graduate courses plus six credits of work associated with the master's level thesis, for a total of 21-27 credits. At least 15 credits must be earned from 700-level courses, and at least 15 credits must be in engineering. The final examination will include a defense of thesis.
3. Students must make satisfactory progress toward degree completion as defined below:
 1. File an approved degree program before the completion of nine credits of coursework.
 2. Complete at least six credits of the approved program per calendar year.
 3. Maintain a grade point average (GPA) of 3.00 on a 4.00 scale with no grades below C. Grades of C- or below are not acceptable.
4. Only those courses in which a student received a grade of C or better may be used for graduate credit. Students must comply with Graduate College policy.
5. The student must identify a Thesis Advisor within the first semester of joining the program. The student, in consultation with their Advisor, will form a Thesis Committee that includes at least four members:
 1. One Thesis Advisor. A student may have two co-Advisors but they count as one committee member.
 2. Two Mechanical Engineering Department faculty members.
 3. One Graduate College representative. The student,

in consultation with their Advisor, is responsible for inviting a committee member from within the university but outside the Mechanical Engineering Department. This person is responsible for ensuring consistency and fairness throughout the UNLV graduate programs.

Graduation Requirements

The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.

The student must submit and successfully defend his/her thesis by the posted deadline. The defense must be advertised and is open to the public.

After the thesis defense, the student must electronically submit a properly formatted pdf copy of their thesis to the Graduate College for format check. Once the thesis format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for thesis defenses, format check submissions, and the final ProQuest submission can be found here.

Plan Graduation Requirements

Refer to your subplan for Graduation Requirements.

Doctor of Philosophy - Mechanical Engineering

Plan Description

The Department of Mechanical Engineering offers a program leading to the Ph.D. degree in Engineering in the field of Mechanical Engineering. The program also offers the Ph.D. degree with a concentration in the field of Nuclear Engineering.

For more information about your program, including your graduate program handbook and learning outcomes, please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

Application for the Ph.D. program can be completed by one of two mechanisms. The Post-Master's Track

requires the student to complete an M.S. degree in Engineering or equivalent with a major in mechanical engineering or closely related fields (nuclear engineering or health physics for the Nuclear concentration track). The Post-Bachelor's Track allows those undergraduates with outstanding undergraduate backgrounds to enter the Ph.D. program without having to complete an M.S. degree. The degree requirements for both options are the same beyond the B.S. degree excluding the completion of a master's thesis.

In order to be admitted to the Ph.D. program in Engineering in the field of Mechanical Engineering, a student must complete the following requirements:

1. Applicants must complete the on-line process in the Grad Rebel Gateway system.
2. Mechanical Engineering applicants must provide two additional items while completing the process in the Grad Rebel Gateway system:
 1. Submit a written statement of purpose indicating interests and objectives in working toward a Ph.D. degree. This is a 1-2 page essay describing the applicant's reasons for considering graduate study, goals after completion of the graduate degree, and the applicant's specific areas of interest.
 2. Submit three letters of recommendation using the online recommendation system. There is no specified format. Each letter should detail the potential of the applicant for success in a Mechanical Engineering Ph.D. program.
3. Candidates who do not meet all the requirements may be admitted with conditional or provisional status. Details of the conditions or provisions required will be provided with the notification of admittance.
4. Before acceptance into the Ph.D. program, potential students may take courses as a non-degree seeking student. Up to 15 credits can be applied to the degree program if they meet curriculum requirements.
5. The applicant must submit an official copy of the Graduate Record Examination (GRE) test scores. The GRE university code for UNLV is 4861. The Mechanical Engineering Department code is 1502. The minimum required score is at or above 75 percentile range in the quantitative reasoning section. The Graduate Program Committee can modify this requirement if necessary. The GRE requirement is waived for students participating in the Integrated BS-PhD track.
6. All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.
7. Admitted students with non-engineering backgrounds will be required to complete a set of courses that will assure successful completion of the Ph.D. specialization and qualify the student to sit for

the Fundamentals of Engineering (FE) exam. The Graduate Program Committee or Graduate Coordinator will specify a list of required undergraduate courses that must be completed within the first year. These courses are in addition to those required for the graduate degree.

Post-Master's Track

1. The applicant must have a Master of Science in Engineering degree or equivalent with a major in mechanical engineering or a closely allied field.
2. A minimum post-baccalaureate GPA of 3.30 (on a 4.00 scale) is required for graduates from accredited U.S. institutions. The Graduate College is responsible for international GPA interpretation.

Post-Bachelor's Track

1. The applicant must have a bachelor's degree in engineering or a closely related discipline.
2. A minimum GPA of 3.50 (on a 4.00 scale) is required for graduates from accredited U.S. institutions. The Graduate College is responsible for international GPA interpretation.

Integrated BS-PhD Track

The Integrated BS-PhD degree program is designed to provide high-achieving UNLV Mechanical Engineering undergraduate students with the opportunity to take graduate courses that can count toward both the B.S. and Ph.D. ME degree programs at UNLV. This will hopefully encourage them to continue with a graduate degree by reducing the time needed for degree completion. Up to nine credit hours of approved graduate-level course work can be taken as technical electives for the grade of B or better during the senior year and those credit hours will be waived for the graduate degree. The GRE requirement is waived for students participating in the Integrated BS-PhD track. The following conditions are needed to enroll in the Integrated BS-PhD program:

1. A minimum of two semesters of full-time enrollment in B.S. of Mechanical Engineering program is required.
2. Applications are normally submitted with two semesters remaining in the senior year.
3. A minimum of 90 credit hours of course work applicable to the B.S. of Mechanical Engineering degree with a cumulative GPA of 3.50 or higher must be completed before beginning the joint degree program.
4. Student must submit three letters of recommendation to the Mechanical Engineering Graduate Program Coordinator.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

See Subplan Requirements below.

Subplan 1 Requirements: Post-Master's Track

Total Credits Required: 39

Course Requirements

Required Courses – Credits: 9

Complete 9 credits from any Mechanical Engineering 600- or 700-level courses.

Elective Courses – Credits: 12

Complete 12 credits of 600- or 700-level coursework from within the College of Engineering. Courses from outside the College of Engineering may be taken with advisor approval.

Dissertation – Credits: 18

- ME 799 - Dissertation

Degree Requirements

1. Complete a minimum of 21 credit hours of course work beyond the degree of Master of Science in Engineering (M.S.) or equivalent with an overall minimum GPA of 3.20 and a minimum GPA of 2.70 (B-) in each class. Ph.D. candidates who do not maintain this GPA requirement will be placed on probation.
2. Out of the 21 credit hours of course work a minimum of 18 of these credits must be 700-level courses, and no more than 6 credits can be from ME 791 Graduate Independent Study. In addition to these course requirements, a minimum of 18 credits of Dissertation is required.
3. The student's Doctoral Advisory Committee may add other requirements in accordance with the individual's background and area of study. No more than 15 non-matriculated credits including transfer credits are allowed.
4. The student must identify a Dissertation Advisor within the first semester of joining the program. The student, in consultation with their Advisor, will form a Doctoral Advisory Committee that includes at least five members:
 1. One Dissertation Advisor. A student may have two co-Advisors but they count as one committee member.
 2. Three Mechanical Engineering Department faculty members. At the discretion of the Dissertation Advisor and student, one of these three can be from a relevant supporting field outside of the department or university.
 3. One Graduate College representative. The student, in consultation with their Advisor, is responsible for inviting a committee member from within the university but outside the Mechanical Engineering Department. This person is responsible for ensuring consistency and fairness throughout the UNLV graduate programs.

5. The program of study must be submitted by the second semester of study. The program of study is to be prepared by the student and his/her doctoral advisor, and must be approved by the student's Doctoral Advisory Committee and the GPC.

6. The student must pass a written Qualifying Exam consisting of two sections, Mathematics and a Major subject area chosen from the following list:

1. Dynamics and Control
2. Fluid Mechanics
3. Material Science
4. Solid Mechanics and Mechanical Design
5. Thermal Sciences

6. Nuclear Engineering

These examinations are prepared by a department committee and based on undergraduate senior level courses. Qualifying exams are held every semester. The first attempt at taking the qualifying exam must be scheduled during the first year of study. They can be taken a maximum of two times. Failure to take the exam within the first year or failure to pass the exam in the second attempt will automatically result in terminating the student from the program.

7. Students must submit a written report to their Doctoral Advisory Committee consisting of a relevant literature review, dissertation research objectives, and outline of planned work to meet those objectives. The student must also present this proposal to their committee and be prepared to discuss and defend their objectives and plan. This report and presentation is known as the "Preliminary Exam".

1. The Preliminary Exam must be scheduled within one semester of passing the Qualifying Exam.
2. The Preliminary Exam can be taken only once per semester but may be repeated until passed.

8. The student is advanced to candidacy for the Ph.D. upon completion of all course work, the Qualifying Exam and the Preliminary Exam.

Graduation Requirements

See Plan Graduation Requirements below.

Subplan 2 Requirements: Post-Master's Nuclear Engineering Track

Total Credits Required: 39

Course Requirements

Required Courses – Credits: 9

Students in the Nuclear Engineering concentration must take three courses (9 credits) from the following list:

- ME 655 - Fundamentals of Nuclear Engineering
- ME 700 - Advanced Fluid Mechanics I
- ME 701 - Advanced Fluid Mechanics II
- ME 702 - Computational Fluid Dynamics
- ME 705 - Conduction Heat Transfer
- ME 706 - Convective Heat Transfer
- ME 707 - Radiation Heat Transfer
- ME 708 - Convective Boiling and Condensation
- ME 711 - Advanced Thermodynamics
- ME 754 - Introduction to Nuclear Criticality Safety
- ME 755 - Nuclear Criticality Safety Engineering
- ME 756 - Monte Carlo Methods in Nuclear Engineering
- ME 757 - Radiation Monitoring and Safeguards Systems
- ME 758 - Accelerator Applications in Nuclear Engineering
- ME 760 - Waste Management And The Nuclear Fuel Cycle
- ME 762 - Nuclear Power Engineering
- ME 763 - Nuclear Reactor Analysis
- HPS 602 - Radiation Detection
- HPS 603 - Radiation Physics and Instrumentation Laboratory
- HPS 701 - Applied Nuclear Physics
- HPS 703 - Radiation Interactions and Transport
- HPS 719 - Introduction to Radioanalytical Chemistry
- HPS 720 - Radiation Dosimetry
- HPS 730 - Advanced Radiation Biology

Elective Courses – Credits: 12

Complete 12 credits of 600- or 700-level coursework from within the College of Engineering. Courses from outside the College of Engineering may be taken with advisor approval.

Dissertation – Credits: 18

- ME 799 - Dissertation

Degree Requirements

1. Complete a minimum of 21 credit hours of course work beyond the degree of Master of Science in Engineering (M.S.) or equivalent with an overall minimum GPA of 3.20 and a minimum GPA of 2.70 (B-) in each class. Ph.D. candidates who do not maintain this GPA requirement will be placed on probation.
2. Out of the 21 credit hours of course work a minimum of 18 of these credits must be 700-level courses, and no more than 6 credits can be from ME 791 Graduate

Independent Study. In addition to these course requirements, a minimum of 18 credits of Dissertation is required.

3. The student's Doctoral Advisory Committee may add other requirements in accordance with the individual's background and area of study. No more than 15 non-matriculated credits including transfer credits are allowed.
4. The student must identify a Dissertation Advisor within the first semester of joining the program. The student, in consultation with their Advisor, will form a Doctoral Advisory Committee that includes at least five members:
 1. One Dissertation Advisor. A student may have two co-Advisors but they count as one committee member.
 2. Three Mechanical Engineering Department faculty members. At the discretion of the Dissertation Advisor and student, one of these three can be from a relevant supporting field outside of the department or university.
 3. One Graduate College representative. The student, in consultation with their Advisor, is responsible for inviting a committee member from within the university but outside the Mechanical Engineering Department. This person is responsible for ensuring consistency and fairness throughout the UNLV graduate programs.
5. The program of study must be submitted by the second semester of study. The program of study is to be prepared by the student and his/her doctoral advisor, and must be approved by the student's Doctoral Advisory Committee and the GPC.
6. The student must pass a written Qualifying Exam consisting of two sections, Mathematics and a Major subject area chosen from the following list:
 1. Dynamics and Control
 2. Fluid Mechanics
 3. Material Science
 4. Solid Mechanics and Mechanical Design
 5. Thermal Sciences
 6. Nuclear Engineering

These examinations are prepared by a department committee and based on undergraduate senior level courses. Qualifying exams are held every semester. The first attempt at taking the qualifying exam must be scheduled during the first year of study. They can be taken a maximum of two times. Failure to take the exam within the first year or failure to pass the exam in the second attempt will automatically result in terminating the student from the program.
7. Students must submit a written report to their

Doctoral Advisory Committee consisting of a relevant literature review, dissertation research objectives, and outline of planned work to meet those objectives. The student must also present this proposal to their committee and be prepared to discuss and defend their objectives and plan. This report and presentation is known as the "Preliminary Exam".

1. The Preliminary Exam must be scheduled within one semester of passing the Qualifying Exam.
 2. The Preliminary Exam can be taken only once per semester but may be repeated until passed.
8. The student is advanced to candidacy for the Ph.D. upon completion of all course work, the Qualifying Exam and the Preliminary Exam.

Graduation Requirements

See Plan Graduation Requirements below.

Subplan 3 Requirements: Post-Bachelor's Track

Total Credits Required: 63

Course Requirements

Required Courses – Credits: 18

Complete 18 credits from any Mechanical Engineering 600- or 700-level courses.

Elective Courses – Credits: 27

Complete 27 credits of 600- or 700-level coursework from within the College of Engineering. Courses from outside the College of Engineering may be taken with advisor approval.

Dissertation – Credits: 18

- ME 799 - Dissertation

Degree Requirements

1. Complete a minimum of 45 credit hours of course work beyond the degree of Bachelor of Science in Engineering (B.S.) or equivalent with an overall minimum GPA of 3.20 and a minimum GPA of 2.70 (B-) in each class. Ph.D. candidates who do not maintain this GPA requirement will be placed on probation. Students on academic probation may be transferred to the M.S.M.E. Program depending on the student's academic record.
2. Out of the 45 credit hours of course work, a minimum of 33 credits must be in 700-level courses, and no more than 9 credits can be from ME 791 Graduate Independent Study. In addition to these course requirements, a minimum of 18 credits of Dissertation is required.
3. The student's doctoral advisory committee may add more requirements in accordance with the individual's background and field of study. No more than 15 non-matriculated credits including transfer credits is allowed.

4. The student must identify a Dissertation Advisor within the first semester of joining the program. The student, in consultation with their Advisor, will form a Doctoral Advisory Committee that includes at least five members:

1. One Dissertation Advisor. A student may have two co-Advisors but they count as one committee member.

2. Three Mechanical Engineering Department faculty members. At the discretion of the Dissertation Advisor and student, one of these three can be from a relevant supporting field outside of the department or university.

3. One Graduate College representative. The student, in consultation with their Advisor, is responsible for inviting a committee member from within the university but outside the Mechanical Engineering Department. This person is responsible for ensuring consistency and fairness throughout the UNLV graduate programs.

5. The program of study must be submitted by the second semester of study. The program of study is to be prepared by the student and his/her doctoral advisor, and must be approved by the student's Doctoral Advisory Committee and the GPC.

6. The student must pass a written Qualifying Exam consisting of two sections, Mathematics and a Major subject area chosen from the following list:

1. Dynamics and Control

2. Fluid Mechanics

3. Material Science

4. Solid Mechanics and Mechanical Design

5. Thermal Sciences

6. Nuclear Engineering

These examinations are prepared by a department committee and based on undergraduate senior level courses. Qualifying exams are held every semester. The qualifying exams must be scheduled during the first year of study. They can be taken a maximum of two times. Failure to take the exam within the first year or failure to pass the exam in the second attempt will automatically result in terminating the student from the program.

7. Students must submit a written report to their Doctoral Advisory Committee consisting of a relevant literature review, dissertation research objectives, and outline of planned work to meet those objectives. The student must also present this proposal to their committee and be prepared to discuss and defend their objectives and plan. This report and

presentation is known as the "Preliminary Exam".

1. The Preliminary Exam must be scheduled within one semester of passing the Qualifying Exam.
2. The Preliminary Exam can be taken only once per semester but may be repeated until passed.
8. The student is advanced to candidacy for the Ph.D. upon completion of all course work, the Qualifying Exam and the Preliminary Exam.

Graduation Requirements

See Plan Graduation Requirements below.

Subplan 4 Requirements: Post-Bachelor's Nuclear Engineering Track

Total Credits Required: 63

Course Requirements

Required Courses – Credits: 18

Students in the Nuclear Engineering concentration must take three courses (9 credits) from the following list:

- ME 655 - Fundamentals of Nuclear Engineering
- ME 700 - Advanced Fluid Mechanics I
- ME 701 - Advanced Fluid Mechanics II
- ME 702 - Computational Fluid Dynamics
- ME 705 - Conduction Heat Transfer
- ME 706 - Convective Heat Transfer
- ME 707 - Radiation Heat Transfer
- ME 708 - Convective Boiling and Condensation
- ME 711 - Advanced Thermodynamics
- ME 754 - Introduction to Nuclear Criticality Safety
- ME 755 - Nuclear Criticality Safety Engineering
- ME 756 - Monte Carlo Methods in Nuclear Engineering
- ME 760 - Waste Management And The Nuclear Fuel Cycle
- ME 762 - Nuclear Power Engineering
- ME 763 - Nuclear Reactor Analysis
- HPS 602 - Radiation Detection
- HPS 603 - Radiation Physics and Instrumentation Laboratory
- HPS 701 - Applied Nuclear Physics
- HPS 703 - Radiation Interactions and Transport
- HPS 719 - Introduction to Radioanalytical Chemistry
- HPS 720 - Radiation Dosimetry
- HPS 730 - Advanced Radiation Biology

Elective Courses – Credits: 27

Complete 27 credits of 600- or 700-level coursework from within the College of Engineering. Courses from outside the College of Engineering may be taken with advisor approval.

Dissertation – Credits: 18

ME 799 - Dissertation

Degree Requirements

1. Complete a minimum of 45 credit hours of course work beyond the degree of Bachelor of Science in Engineering (B.S.) or equivalent with an overall minimum GPA of 3.20 and a minimum GPA of 2.70 (B-) in each class. Ph.D. candidates who do not maintain this GPA requirement will be placed on probation. Students on academic probation may be transferred to the M.S.M.E. Program depending on the student's academic record.
2. Out of the 45 credit hours of course work, a minimum of 33 credits must be in 700-level courses, and no more than 9 credits can be from ME 791 Graduate Independent Study. In addition to these course requirements, a minimum of 18 credits of Dissertation is required.
3. The student's doctoral advisory committee may add more requirements in accordance with the individual's background and field of study. No more than 15 non-matriculated credits including transfer credits is allowed.
4. The student must identify a Dissertation Advisor within the first semester of joining the program. The student, in consultation with their Advisor, will form a Doctoral Advisory Committee that includes at least five members:
 1. One Dissertation Advisor. A student may have two co-Advisors but they count as one committee member.
 2. Three Mechanical Engineering Department faculty members. At the discretion of the Dissertation Advisor and student, one of these three can be from a relevant supporting field outside of the department or university.
 3. One Graduate College representative. The student, in consultation with their Advisor, is responsible for inviting a committee member from within the university but outside the Mechanical Engineering Department. This person is responsible for ensuring consistency and fairness throughout the UNLV graduate programs.
5. The program of study must be submitted by the second semester of study. The program of study is to be prepared by the student and his/her doctoral advisor, and must be approved by the student's Doctoral Advisory Committee and the GPC.

6. The student must pass a written Qualifying Exam consisting of two sections, Mathematics and a Major subject area chosen from the following list:

1. Dynamics and Control
2. Fluid Mechanics
3. Material Science
4. Solid Mechanics and Mechanical Design
5. Thermal Sciences

6. Nuclear Engineering

These examinations are prepared by a department committee and based on undergraduate senior level courses. Qualifying exams are held every semester. The qualifying exams must be scheduled during the first year of study. They can be taken a maximum of two times. Failure to take the exam within the first year or failure to pass the exam in the second attempt will automatically result in terminating the student from the program.

7. Students must submit a written report to their Doctoral Advisory Committee consisting of a relevant literature review, dissertation research objectives, and outline of planned work to meet those objectives. The student must also present this proposal to their committee and be prepared to discuss and defend their objectives and plan. This report and presentation is known as the "Preliminary Exam".

1. The Preliminary Exam must be scheduled within one semester of passing the Qualifying Exam.

2. The Preliminary Exam can be taken only once per semester but may be repeated until passed.

8. The student is advanced to candidacy for the Ph.D. upon completion of all course work, the Qualifying Exam and the Preliminary Exam.

Graduation Requirements

See Plan Graduation Requirements below.

Subplan 5 Requirements: Integrated BS-PhD Track

Total Credits Required: 54-60

Students admitted into this track have taken 3, 6 or 9 credits of graduate level courses that were applied toward their B.S. degree in Mechanical Engineering at UNLV. These credits reduce the total needed to complete the Ph.D. degree.

Course Requirements

Required Courses – Credits: 18

Complete 18 credits from any Mechanical Engineering 600- or 700-level courses.

Elective Courses – Credits: 18-24

Complete 18-24 credits of 600- or 700-level coursework from within the College of Engineering. The total number of credits depends on the number of graduate credits taken toward the student's B.S. degree. Courses from outside the College of Engineering may be taken with advisor approval.

Dissertation – Credits: 18

- ME 799 - Dissertation

Degree Requirements

1. Complete a minimum of 36-42 credit hours of course work beyond the degree of Bachelor of Science in Engineering (B.S.) or equivalent with an overall minimum GPA of 3.20 and a minimum GPA of 2.70 (B-) in each class. The exact number of credits needed depends on the number of graduate credits applied toward the students' B.S. degree. Ph.D. candidates who do not maintain this GPA requirement will be placed on probation. Students on academic probation may be transferred to the M.S.M.E. Program depending on the student's academic record.

2. Out of the 36-42 credit hours of course work, a minimum of 33 credits must be in 700-level courses, and no more than 9 credits can be from ME 791 Graduate Independent Study. Students who took 700-level courses toward their B.S. degree can count these credits toward the required total of 33 700-level credits. In addition to these course requirements, a minimum of 18 credits of Dissertation is required.

3. The student's doctoral advisory committee may add more requirements in accordance with the individual's background and field of study. No more than 15 non-matriculated credits including transfer credits is allowed.

4. The student must identify a Dissertation Advisor within the first semester of joining the program. The student, in consultation with their Advisor, will form a Doctoral Advisory Committee that includes at least five members:

1. One Dissertation Advisor. A student may have two co-Advisors but they count as one committee member:

2. Three Mechanical Engineering Department faculty members. At the discretion of the Dissertation Advisor and student, one of these three can be from a relevant supporting field outside of the department or university.

3. One Graduate College representative. The student, in consultation with their Advisor, is responsible for inviting a committee member from within the university but outside the Mechanical Engineering Department. This person is responsible for ensuring consistency and fairness throughout the UNLV graduate programs.

5. The program of study must be submitted by the second semester of study. The program of study is to be prepared by the student and his/her doctoral advisor, and must be approved by the student's Doctoral Advisory Committee and the GPC.

6. The student must pass a written Qualifying Exam consisting of two sections, Mathematics and a Major subject area chosen from the following list:

1. Dynamics and Control
2. Fluid Mechanics
3. Material Science
4. Solid Mechanics and Mechanical Design
5. Thermal Sciences

6. Nuclear Engineering

These examinations are prepared by a department committee and based on undergraduate senior level courses. Qualifying exams are held every semester. The qualifying exams must be scheduled during the first year of study. They can be taken a maximum of two times. Failure to take the exam within the first year or failure to pass the exam in the second attempt will automatically result in terminating the student from the program.

7. Students must submit a written report to their Doctoral Advisory Committee consisting of a relevant literature review, dissertation research objectives, and outline of planned work to meet those objectives. The student must also present this proposal to their committee and be prepared to discuss and defend their objectives and plan. This report and presentation is known as the "Preliminary Exam".

1. The Preliminary Exam must be scheduled within one semester of passing the Qualifying Exam.

2. The Preliminary Exam can be taken only once per semester but may be repeated until passed.

8. The student is advanced to candidacy for the Ph.D. upon completion of all course work, the Qualifying Exam and the Preliminary Exam.

Graduation Requirements

See Plan Graduation Requirements below.

Subplan 6 Requirements: Integrated BS-PhD Nuclear Engineering Track

Total Credits Required: 54-60

Students admitted into this track have taken 3, 6 or 9 credits of graduate level courses that were applied toward their B.S. degree in Mechanical Engineering at UNLV. These credits reduce the total needed to complete the Ph.D. degree.

Course Requirements

Required Courses – Credits: 18

Complete 9 credits from any Mechanical Engineering 600- or 700-level courses and an additional 9 credits from the following list of courses:

- ME 655 - Fundamentals of Nuclear Engineering
- ME 700 - Advanced Fluid Mechanics I
- ME 701 - Advanced Fluid Mechanics II
- ME 702 - Computational Fluid Dynamics
- ME 705 - Conduction Heat Transfer
- ME 706 - Convective Heat Transfer
- ME 707 - Radiation Heat Transfer
- ME 708 - Convective Boiling and Condensation
- ME 711 - Advanced Thermodynamics
- ME 754 - Introduction to Nuclear Criticality Safety
- ME 755 - Nuclear Criticality Safety Engineering
- ME 756 - Monte Carlo Methods in Nuclear Engineering
- ME 760 - Waste Management And The Nuclear Fuel Cycle
- ME 762 - Nuclear Power Engineering
- ME 763 - Nuclear Reactor Analysis
- HPS 602 - Radiation Detection
- HPS 603 - Radiation Physics and Instrumentation Laboratory
- HPS 701 - Applied Nuclear Physics
- HPS 703 - Radiation Interactions and Transport
- HPS 719 - Introduction to Radioanalytical Chemistry
- HPS 720 - Radiation Dosimetry
- HPS 730 - Advanced Radiation Biology

Elective Courses – Credits: 18-24

Complete 18-24 credits of 600- or 700-level coursework from within the College of Engineering. The total number of credits depends on the number of graduate credits taken toward the student's B.S. degree. Courses from outside the College of Engineering may be taken with advisor approval.

Dissertation – Credits: 18

- ME 799 - Dissertation

Degree Requirements

1. Complete a minimum of 36-42 credit hours of course work beyond the degree of Bachelor of Science in Engineering (B.S.) or equivalent with an overall minimum GPA of 3.20 and a minimum GPA of 2.70 (B-) in each class. The exact number of credits needed depends on the number of graduate credits

applied toward the students' B.S. degree. Ph.D. candidates who do not maintain this GPA requirement will be placed on probation. Students on academic probation may be transferred to the M.S.M.E. Program depending on the student's academic record.

2. Out of the 36-42 credit hours of course work, a minimum of 33 credits must be in 700-level courses, and no more than 9 credits can be from ME 791 Graduate Independent Study. Students who took 700-level courses toward their B.S. degree can count these credits toward the required total of 33 700-level credits. In addition to these course requirements, a minimum of 18 credits of Dissertation is required.
3. The student's doctoral advisory committee may add more requirements in accordance with the individual's background and field of study. No more than 15 non-matriculated credits including transfer credits is allowed.
4. The student must identify a Dissertation Advisor within the first semester of joining the program. The student, in consultation with their Advisor, will form a Doctoral Advisory Committee that includes at least five members:
 1. One Dissertation Advisor. A student may have two co-Advisors but they count as one committee member:
 2. Three Mechanical Engineering Department faculty members. At the discretion of the Dissertation Advisor and student, one of these three can be from a relevant supporting field outside of the department or university.
 3. One Graduate College representative. The student, in consultation with their Advisor, is responsible for inviting a committee member from within the university but outside the Mechanical Engineering Department. This person is responsible for ensuring consistency and fairness throughout the UNLV graduate programs.
5. The program of study must be submitted by the second semester of study. The program of study is to be prepared by the student and his/her doctoral advisor, and must be approved by the student's Doctoral Advisory Committee and the GPC.
6. The student must pass a written Qualifying Exam consisting of two sections, Mathematics and a Major subject area chosen from the following list:
 1. Dynamics and Control
 2. Fluid Mechanics
 3. Material Science
 4. Solid Mechanics and Mechanical Design
 5. Thermal Sciences

6. Nuclear Engineering

These examinations are prepared by a department committee and based on undergraduate senior level courses. Qualifying exams are held every semester. The qualifying exams must be scheduled during the first year of study. They can be taken a maximum of two times. Failure to take the exam within the first year or failure to pass the exam in the second attempt will automatically result in terminating the student from the program.

7. Students must submit a written report to their Doctoral Advisory Committee consisting of a relevant literature review, dissertation research objectives, and outline of planned work to meet those objectives. The student must also present this proposal to their committee and be prepared to discuss and defend their objectives and plan. This report and presentation is known as the "Preliminary Exam".
 1. The Preliminary Exam must be scheduled within one semester of passing the Qualifying Exam.
 2. The Preliminary Exam can be taken only once per semester but may be repeated until passed.
8. The student is advanced to candidacy for the Ph.D. upon completion of all course work, the Qualifying Exam and the Preliminary Exam.

Graduation Requirements

See Plan Graduation Requirements below.

Plan Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
2. The student must submit and successfully defend his/her dissertation by the posted deadline. The defense must be advertised and is open to the public.

After the dissertation defense, the student must electronically submit a properly formatted pdf copy of their dissertation to the Graduate College for format check. Once the dissertation format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for dissertation defenses, format check submissions, and the final ProQuest submission can be found here.

Mechanical Engineering Courses

ME 600 - Intermediate Fluid Mechanics **Credits 3**
Basic laws and equations of fluid flow; very viscous flow solutions; boundary layer flows; potential flows; wave phenomena; transport phenomena; turbulence. Notes: This course is crosslisted with ME 400. Credit at the 600-level requires additional work.

ME 602 - Computational Methods for Engineers Credits 3
Applied numerical analysis for linear and nonlinear engineering problems. Systems of linear equations, nonlinear equations, and eigen value problems. Approximate numerical integration and differentiation. Development of numerical methods for initial and boundary value problems of ordinary differential equations. Introduction to the numerical solution of partial differential equations. Notes: This course is crosslisted with ME 402. Credit at the 600-level requires additional work.

ME 609 - Turbomachinery Credits 3
Types of turbomachines, applications of turbomachines, and performance characteristics. Energy transfer in turbomachines. Fundamentals of turbomachinery. Applications of the principles of fluid mechanics, thermodynamics and aerodynamics to the design and analysis of pumps, fans, blowers, compressors, gas turbines, steam turbines, hydraulic turbines, and wind turbines are incorporated. Prerequisites: ME 311 and ME 380, or equivalent.

ME 612 - Sizing Solar Energy Systems Credits 3
Sizing and design criteria of solar thermal and photovoltaic systems using various types of software. Prerequisites: Graduate standing.

ME 615 - Design of Thermal Systems Credits 3
Design of thermal systems and subsystems, especially as they relate to current and new means of energy utilization and power generation; computer simulation and optimization of thermal systems based on performance and economic constraints. Notes: This course is crosslisted with ME 415. Credit at the 600-level requires additional work.

ME 616 - Introduction to Biomechanical Engineering Credits 3
Fundamental engineering principles in several engineering areas to problems in the biological world. Discussion includes biomechanics of solids, biofluid and transport phenomena, biomaterials, cell and tissue engineering, medical imaging and electrophoresis. Notes: This course is crosslisted with ME 416. Credit at the 600-level requires additional work.

ME 617 - Introduction to Fuel Cell Credits 3
Fuel Cell Principles, Fuel Cell Thermodynamics, Fuel Cell Reaction Kinetics, Fuel Cell Charge Transport, Fuel Cell Mass Transport, Fuel Cell Modeling, Fuel Cell Characterization, Fuel Cell Technology, Fuel Cell Types and Systems. Prerequisites: ME 311, ME 314, ME 380.

ME 618 - Air Conditioning Engineering Systems Credits 3
Analysis and design of air conditioning systems, load calculations, system selection, duct sizing, and controls. Relationships between internal and external environments. Development of economic, functional and energy conserving concepts in air conditioning design. Notes: This course is crosslisted with ME 418. Credit at the 600-level requires additional work.

ME 619 - Advanced HVAC and Energy Conservation Systems Credits 3
Room air distribution. Fan and building air distribution. Mass transfer and humidity measurement. Direct contact heat and mass transfer extended surface heat exchangers. Refrigeration. Current energy conservation technologies, computer simulations of dynamic building energy demand. Notes: This course is crosslisted with ME 419. Credit at the 600-level requires additional work.

ME 625 - Robotics Credits 3
Instruction to basic concept and theory behind motions generated by robot manipulators; kinematics, dynamics, and trajectory generation. Design of basic feedback position controllers and computer simulation techniques of robot dynamics and control system. Notes: This course is crosslisted with ME 425. Credit at the 600-level requires additional work.

ME 626 - Manufacturing Processes Credits 3
Survey of the principal processes used to cast, form, machine, and join material. Tolerances, statistical quality control, costs, operation sequencing, and design for productivity covered. Research paper on related topic required. Notes: This course is crosslisted with ME 426. Credit at the 600-level requires additional work.

ME 627 - Manufacturing Systems Credits 3
Study of the ways of organizing people and equipment so that production can be performed more efficiently. Includes production lines design, CIM, GT, FMS, production planning, inventory control and MRP, lean production, JIT, and agile manufacturing. Notes: This course is crosslisted with ME 427. Credit at the 600-level requires additional work.

ME 629 - Computer Control of Machines and Processes Credits 3
Discrete control theory reduced to engineering practice through comprehensive study of discrete system modeling, system identification and digital controller design. Selected industrial processes and machines utilized as subjects on which computer control is to be implemented. Focuses on the time-domain analysis of the control theory and programming. Notes: This course is crosslisted with ME 429. Credit at the 600-level requires additional work.

ME 630 - Corrosion Engineering Credits 3
Examination of the fundamental processes of metallic corrosion from the thermodynamic and kinetic points of view. Specific types of corrosion and prevention strategies discussed. Materials selection, design features, and fabrication techniques of corrosion control covered. Notes: This course is crosslisted with ME 430. Credit at the 600-level requires additional work.

ME 634 - Noise Control Credits 3
Development and solution of one-dimensional wave equation for propagation of sound in air; one-dimensional plane and spherical sound waves; sound transmission phenomena; sound in enclosed spaces; sound propagation outdoors; and human responses to noise. Notes: This course is crosslisted with ME 434. Credit at the 600-level requires additional work.

ME 641 - Advanced Mechanical Engineering Design Credits 3
Use of advanced concepts in machine design. Notes: This course is crosslisted with ME 441. Credit at the 600-level requires additional work.

ME 643 - Design Techniques in Mechanical Engineering Credits 3
Computational techniques for use in mechanical engineering design. Emphasis on the use of existing commercial codes for the analysis and design of machine elements and for the study of heat transfer and fluid flow. Notes: This course is crosslisted with ME 443. Credit at the 600-level requires additional work.

ME 646 - Composite Materials Credits 3
Overview of matrix and fiber systems, processing techniques, anisotropic elasticity, unidirectional lamina, multidirectional laminate theory, failure theories, and design of composite structures. Notes: This course is crosslisted with ME 446. Credit at the 600-level requires additional work.

ME 650 - Physical Metallurgy Credits 3
This advanced undergraduate course is available for graduate credit.

ME 653 - Mechanical Vibrations Credits 3

Free and forced response of single-and-multi-degree-of-freedom, lumped parameter systems. Fourier series and Fourier and Laplace transforms. Introduction to vibration of continuous systems and applications. Notes: This course is crosslisted with ME 453. Credit at the 600-level requires additional work.

ME 655 - Fundamentals of Nuclear Engineering Credits 3

Fundamentals of nuclear reactor design and analysis of the fission process. Basic health physics, reactor shielding, and nuclear waste management. Calculation of reactor dimensions for criticality. Reactor kinetics and control. Notes: This course is crosslisted with ME 455. Credit at the 600-level requires additional work.

ME 656 - Radioactive Waste Management Credits 3

This advanced undergraduate course is available for graduate credit.

ME 660 - High School Mentoring for Engineering Design Credits 3

Students help high school teams design robots for the FIRST robotics competition. Weekly meetings discuss: mentoring, design, robotics, organizational skills, and teamwork. Must arrange transport to assigned local high school. Class begins with the international FIRST kick-off meeting usually scheduled for the first Saturday after New Year's Day. Notes: This course is crosslisted with ME 460. Credit at the 600-level requires additional work. Prerequisites: Instructor Consent

ME 662 - Vehicle Design Projects Credits 3

Students design and build a vehicle for entry into a national or regional collegiate competition such as Mini-Baja or Human Powered Vehicle. Design topics may include structural analysis, composite materials, aerodynamics, engine performance, occupant safety, drive train, suspension systems, project management, team building, technical report writing, and oral presentations. Notes: This course is crosslisted with ME 462. Credit at the 600-level requires additional work. Prerequisites: Instructor Consent

ME 670 - Experimental Mechanics of Materials Credits 3

Failure theories for isotropic and composite materials, stress concentration, fracture mechanics, combined loading, photoelasticity, composites fabrication, mold making, mechanical testing, and microstructural analysis. Notes: This course is crosslisted with ME 470. Credit at the 600-level requires additional work.

ME 677 - Solar and Renewable Energy Utilization Credits 3

Introduction to renewable energy applications. Includes environmental motivations, historical perspectives, solar photovoltaic and thermal applications, implications in building designs, wind energy, biomass, alternative fuels, geothermal power utilization, utility considerations, and political and economic factors. Formerly EGG 650

ME 680 - Gas Dynamics I Credits 3

Examines the basic concepts and theories associated with compressible fluid flow. Normal and oblique shocks, 1-D analysis, and method of characteristics discussed. Notes: This course is crosslisted with ME 480. Credit at the 600-level requires additional work.

ME 682 - Aerodynamics Credits 3

Presents fluid flow concepts leading to the design of flow surfaces and passages to achieve optimum performance over the widest range of significant parameters. Topics include boundary layer theory, lift, airfoil analysis, and numerical methods for fluid mechanic analyses. Notes: This course is crosslisted with ME 482. Credit at the 600-level requires additional work.

ME 695 - Special Topics in Engineering Credits 1-4

Outlet for experimental and other topics which may be of current interest. Topics and credits to be announced. May have a laboratory. May be repeated once under different topic. Notes: This course is crosslisted with ME 495. Credit at the 600-level requires additional work

ME 700 - Advanced Fluid Mechanics I Credits 3

Covers area of viscous laminar fluid flow. Presents concept of shear stresses and develops Navier-Stokes equation. Applications such as boundary layer flow studied as are some solutions of viscous fluid flow. Prerequisites: Graduate Standing or Instructor Consent

ME 701 - Advanced Fluid Mechanics II Credits 3

Potential flow theory with emphasis on complex representations, conformal mapping, Schwarz Christoffel transformations, airfoils. Compressible flow, free shear layers, shock waves, compressible boundary layers, two- and three- dimensional supersonic flows. Prerequisites: ME 700 or consent of instructor.

ME 702 - Computational Fluid Dynamics Credits 3

Application of numerical methods to solve highly nonlinear equations of motion and energy associated with fluid dynamics. Among other methods, finite difference and finite element methods discussed along with use of commercial software packages. Prerequisites: Graduate Standing or Instructor Consent

ME 703 - Continuum Mechanics Credits 3

Matrices and tensors, stress deformation and flow, compatibility conditions, constitutive equations, field equations and boundary conditions in fluids and solids, applications in solid and fluid mechanics. Formerly (CEG 711) Prerequisites: Graduate Standing or Instructor Consent

ME 704 - Finite Element Applications in Mechanical Engineering Credits 3

Finite Element Method used historically for structurally related problems. Advances in application and development of Finite Element Method particularly useful in fluid flow and heat transfer related problems. PC, workstation, and mainframe finite element computer codes used to assist students in solving fluid and heat transfer problems. Prerequisites: Graduate Standing or Instructor Consent

ME 705 - Conduction Heat Transfer Credits 3

Designed to solve more advanced heat transfer problems by conduction. Analytical and numerical techniques in heat conduction covered. Review of elementary problems presented. Advanced analytical methods using Bessel functions, separation of variables and Laplace transforms, among others. Solutions using finite differences covered. Prerequisites: ME 314 and ME 445 or equivalent or consent of instructor.

ME 706 - Convective Heat Transfer Credits 3

Conservation principles, fluid stresses and flux laws, boundary layer equation, laminar and turbulent heat flow inside tubes. Heat transfer in laminar and turbulent boundary layers. Influence of temperature dependent fluid properties and free-convection boundary layers. Prerequisites: Graduate Standing or Instructor Consent

ME 707 - Radiation Heat Transfer Credits 3

Advanced engineering analysis of thermal radiation heat transfer. Spectral and gray-body analysis. Exchange of radiation between surfaces and through absorbing, emitting, and scattering media. Radiation combined with conduction and convection. Prerequisites: Graduate Standing or Instructor Consent

ME 708 - Convective Boiling and Condensation Credits 3

Basic models, empirical treatments of two-phase flow. Introduction to convective boiling, subcooled boiling, void fraction and pressure drop in subcooled boiling, saturated boiling heat transfer, critical heat flux, condensation. Prerequisites: Graduate Standing or Instructor Consent

ME 710 - Transport Phenomena in Bioengineering Credits 3

Transport phenomena in bioengineering at molecular, cellular and tissue levels. Topics include blood flow in large and small vessels, gas exchange in lung, biomass and heat transfer in microcirculation, ion transport across cell membrane, cell migration, renal transport, controlled drug delivery and transport in tumors. Prerequisites: Graduate Standing or Instructor Consent

ME 711 - Advanced Thermodynamics Credits 3

Advanced concepts and laws of classical equilibrium thermodynamics as applied to engineering problems. Introduction to statistical thermodynamics. Prerequisites: Graduate Standing or Instructor Consent

ME 714 - Computational Aspects of Solar Energy Credits 3

Theory and practice in the design of solar energy components and systems. Included are collectors, concentrators, receivers, storage, and power systems. Emphasis is on the simulation of transient systems. Prerequisites: Graduate Standing or Instructor Consent

ME 717 - Transport Phenomena Credits 3

Momentum, energy, and mass transport at molecular motion, microscopic levels. Momentum flux tensors, heat flux vectors, and mass flux vectors. Transport in laminar or turbulent flow. Transport in isothermal or nonisothermal systems. Transport in single or multicomponent systems. Interface transport and chemical reaction. Prerequisites: Graduate Standing or Instructor Consent

ME 720 - Acoustics I Credits 3

Introduction to wave motion and general solution techniques associated with wave equation; propagation of waves in solid media; one-dimensional acoustic waves, acoustic transmission phenomena, and propagation of sound outdoors. Prerequisites: Graduate Standing or Instructor Consent

ME 721 - Acoustics II Credits 3

Three-dimensional sound waves; experimental measurement techniques associated with acoustics; acoustic filter theory; other advanced topics in acoustics. Prerequisites: ME 720

ME 725 - Vibrations I Credits 3

Vibrations of systems with one-degree-of-freedom and more than one-degree-of-freedom. Methods for finding natural frequencies, discrete systems and continuous systems. Prerequisites: Graduate Standing or Instructor Consent

ME 726 - Vibrations II Credits 3

Virtual work, Hamilton's principles, Lagrange's equation, influence coefficients, Green's function as applied to advanced vibration problems; vibration of continuous systems; modal analysis. Prerequisites: Graduate standing and ME 725.

ME 727 - Engineering Optimization Credits 3

Introduction to optimization, univariate functions, multivariate functions, constrained optimality criteria, penalty method, constrained direct search, engineering case studies, linear programming. Prerequisites: Graduate Standing or Instructor Consent

ME 729 - Advanced Robotics Credits 3

In-depth study of advanced automation concepts and robotic manipulators. Topics including 3-D kinematics, trajectory generation, compliance analysis, dynamic control of robotics along with concept of assembly operations and machine vision.

Prerequisites: Graduate Standing or Instructor Consent

ME 732 - Mechanical Metallurgy Credits 3

Behavior and response of metals to applied forces. Five areas covered: mechanical fundamentals, metallurgical fundamentals, materials testing, plastic forming of metals, and modes of failure. Prerequisites: Graduate Standing or Instructor Consent

ME 734 - Fracture of Engineering Materials Credits 3

Stress-strain relationships during elastic and plastic deformation, linear elastic and elastic-plastic fracture mechanics, Griffith's theory, stress analyses of cracks, plastic zone size, fracture toughness measurements, ductile-to-brittle transition, fatigue failure mechanisms, environment-assisted cracking and relevant test methods, metallographic evaluations using state-of-the-art techniques. Prerequisites: Graduate Standing or Instructor Consent

ME 740 - Advanced Dynamics Credits 3

Applications of Lagrangian and Newtonian mechanics to mechanical systems. Includes kinematics, moving reference frames, rigid body dynamics, oscillations and mode forms, and gyroscopic effects. Prerequisites: Graduate Standing or Instructor Consent

ME 741 - Energy and Variational Methods in Applied Mechanics I Credits 3

Governing equations of mechanics, energy and variational principles, variational methods of approximation, theory of elasticity, material laws, work and energy, beam theory, finite element method, structural systems. Prerequisites: Graduate Standing or Instructor Consent

ME 742 - Energy and Variational Methods in Applied Mechanics II Credits 3

Theoretical principles for solving solid mechanics problems. Direct continuation of ME 741. Topics covered include: computational solution methods to governing equations, free vibration and forced response of elastic systems, stability analysis, solution methods to governing equations, free vibration and forced response of elastic systems, stability analysis, solution methods for beams, plates, and structural systems. Prerequisites: ME 741

ME 743 - Applied Dynamic Finite Element Analysis Credits 3

Overview of the development of dynamic computational analysis, software description, modeling techniques, symmetry and boundary conditions, initial conditions, contact algorithms, wave propagation, material behavior, implicit analysis, damping, mass scaling, mesh adaptation, element selection, hourglassing, postprocessing, output control, restarts, parallel processing, Eulerian and ALE methods. Prerequisites: Graduate standing in engineering or consent of instructor.

ME 746 - Experimental Design and Analysis of Digital Process Control Systems Credits 3

Applications, design, and experimental practice of mechanical linear and discrete systems: hydraulic, pneumatic, elastic multibody systems, centripetal and coriolis effects, automatic model and code generation. Discrete nonlinear control systems modeling, simulation, design using state space methods. Aspects of system identification, robust and optimal control. Same as (EGG 746) Prerequisites: Graduate Standing or Instructor Consent

ME 747 - Orthopedic Biomechanics - Lower Extremities and Spine Credits 3

Biomechanics of the lower extremities and spine; engineering properties and physiology of bone, cartilage, and tendon; analysis of gait; effects of orthopedic impairment and injury; design and surgical implantation of prosthetic joints and fracture fixation devices; engineering of tissue regeneration and replacement. Same as (EGG 747) Prerequisites: Graduate standing in engineering or kinesiology or consent of instructor.

ME 750 - Analysis of Human Movement..... Credits 3
Analysis of the kinematics and kinetics of human movement in two and three dimensions with emphasis on methods used in motion capture, including joint and segment position; acceleration, velocity, force and torque; work and power; and inverse solution methods. Same as (EGG 750) Prerequisites: Graduate standing in engineering or kinesiology or consent of instructor.

ME 754 - Introduction to Nuclear Criticality Safety Credits 3
Review of criticality accidents, overview of the physics of criticality, factors that affect reactivity, experiments and the development of subcritical limits, standards and regulations, hand calculation techniques, engineering and evaluations for criticality safe processes and facilities. Prerequisites: ME 455, ME 655 or equivalent or consent of instructor.

ME 755 - Nuclear Criticality Safety Engineering Credits 3
Nuclear engineering for criticality safe processes and facilities: in-depth physics of criticality, hand calculation techniques, Monte Carlo applications, experimental development of subcritical limits; nuclear criticality accidents, anomalies and case studies; nuclear data/benchmarking, standards and regulations, etc. Practical engineering examples/case studies and the preparation of a nuclear criticality safety evaluation. Prerequisites: ME 754 or equivalent or consent of instructor.

ME 756 - Monte Carlo Methods in Nuclear Engineering Credits 3
Theory and application of the Monte Carlo method for neutron transport calculations from introductory concepts to advanced simulations of criticality in fissile materials. Computer applications in nuclear engineering; verification and validation (V&V), nuclear data files, examples of Monte Carlo calculations, case studies and applied problems. Prerequisites: ME 455, ME 655 or equivalent or consent of instructor.

ME 757 - Radiation Monitoring and Safeguards Systems Credits 3
Advanced topics in radiation measurement science, remote sensing, nondestructive assay techniques, and nuclear material safeguards. Use of radiation detection systems in process monitoring and safeguards, and in security applications. Prerequisites: ME 4585/655, or consent of instructor.

ME 758 - Accelerator Applications in Nuclear Engineering Credits 3
Fundamental concepts of particle accelerators. Radiation beams and targets. Advanced topics in accelerator applications in engineering, security, isotope production, transmutation, nondestructive assay, material analysis, biology and medicine. Prerequisites: ME 455/655, or consent of instructor.

ME 760 - Waste Management And The Nuclear Fuel Cycle Credits 3
Introduction to the nuclear fuel cycle and management of nuclear waste. Introduction to repository design and performance assessment. Overview of waste form performance, contaminant transport, and risk assessment as applied to nuclear waste management. Prerequisites: HPS 701 or consent of instructor.

ME 762 - Nuclear Power Engineering Credits 3
Analysis of the conversion of energy generated by fission, fusion, or radioactive decay into electrical power and propulsion. Theory of reactor heat generation and removal and new reactor concepts. Review of thermodynamic cycles used in pressurized and boiling water reactors, gas-cooled and liquid metal reactors. Prerequisites: ME 311 , ME 314, ME 455 or ME 655 or equivalent

ME 763 - Nuclear Reactor Analysis Credits 3
Development of the neutron diffusion equation with application to the design of steady state nuclear reactors. Derivation of critical core dimensions for single energy and multienergy

neutron groups. Determination of group constants for thermal and fast neutrons. Unsteady reactor dynamics and criticality control. Introduction to Monte Carlo techniques. Prerequisites: ME 455 or ME 655

ME 765 - Neutron Detection and Production Credits 3
Content includes passive and active neutron detection using He3 and BF3 ionization/proportional tubes, liquid and plastic scintillators, fission chambers, and activation foils. The course includes laboratory exercises. Pulsed and continuous sources will be covered including fission reactors, accelerator production through fusion, spallation, photonuclear effects, and [alpha, n] reactions. Prerequisites: ME 455/655 or equivalent.

ME 774 - Introduction to Theory of Elasticity and Plasticity I Credits 3
Introduction to theoretical and applied elasticity and plasticity theory-solutions to engineering problems in structural mechanics and geotechnical engineering. Response of isotropic, orthotropic and layered media to applied stresses and strains. Prerequisites: Graduate Standing or Instructor Consent

ME 777 - Application of High-Performance Computing Methods in Science and Engineering Credits 3
Application of high performance computing systems to science and engineering, models for numerically intensive problem solving, high performance numerical algorithms, FORTRAN 90 and high-performance FORTRAN. Same as (MAT 777) Prerequisites: Knowledge of UNIX, FORTRAN, and previous course on numerical methods. Graduate standing.

ME 791 - Independent Study in Mechanical Engineering Credits 1 – 3
Independent study of a selected mechanical engineering topic. Notes: May be repeated to a maximum of three credits for M.S. programs, six credits for Ph.D. program (post-M.S.), and nine credits for Ph.D. program (post-B.S.). Prerequisites: Graduate standing in mechanical engineering and consent of instructor

ME 795 - Advanced Topics in Mechanical Engineering Credits 1 – 6
Outlet for experimental and other advanced topics which may be of current interest. Notes: Topics and credits to be announced. May have a laboratory. May be repeated to a maximum of six credits.

ME 796 - Design Project in Mechanical Engineering Credits 1 – 3
Synthesis course involving students in the design process from analysis and proposal to solution. Notes: May be repeated to a maximum of three credits. Prerequisites: Graduate standing in mechanical engineering and consent of instructor.

ME 797 - Thesis in Mechanical Engineering Credits 3 – 6
Research, analysis, and writing towards completion of thesis and subsequent defense. Notes: May be repeated but only six credits will be applied to the program. Grading S/F grading only. Prerequisites: Graduate standing in mechanical engineering.

ME 799 - Dissertation Credits 1 – 6
Research analysis and writing towards completion of dissertation and subsequent defense. Notes: May be repeated to a maximum of 18 credits allowed toward the degree. Grading S/F grading only. Prerequisites: Graduate standing in Ph.D. program and consent of advisor.

College of Fine Arts

The graduate programs in the College of Fine Arts are considered among the very best in the country. Indeed, several programs are considered the “best!” The deserved reputations of these discrete programs are based largely on the excellent graduate faculty, which consists of highly trained artists and educators of national stature. We have designed all graduate programs, at the professional level, to prepare students to compete aggressively in their chosen fields. Thanks to an excellent artist-in-residence program, our students are exposed to, and work with, professionals who regularly visit the college. Certain faculty members of the programs have developed relationships with the best professional outlets in their areas, allowing students to work and interact with professionals prior to graduation.

The College of Fine Arts is committed to excellence in the classroom in conjunction with practical experience, which hones the skills and talents of its students. An excellent faculty, excellent facilities, excellent connections to the professions, and excellent students all contribute to a fast-growing college that can enhance careers and help dreams become realities.

Nancy J. Uscher, Ph.D., Dean, College of Fine Arts

Programs

Architecture

Art

Film

School of Music

Theatre

School of Architecture

The School of Architecture offers a NAAB-accredited Master of Architecture professional degree (M. Arch), a Master of Healthcare Interior Design post-professional degree (MHID), and a Graduate Certificate in Hospitality Design.

The SoA is an outward-looking school that values its diversity and cutting-edge explorations, and allows for a wide range of design approaches; a contemporary school that is highly engaged with industry, governmental and community; a school where principles of sustainability are embedded in all of our concerns, course, studios, and activities; and a vibrant school that is anchored in the unique locality of the Southern Nevada region.

We offer a transformative experience, generating meaningful knowledge and stimulating discovery through creative thinking and practice.

Our Core Values:

Integrity – To make informed decisions and act ethically and with fairness.

Respect – To listen and act professionally with courtesy and consideration of others.

Collaboration – To work together to advance creativity and innovation across disciplines.

Innovation – To be dedicated to discovery and communication of breakthrough and new ideas.

Sustainability – To prepare the next generation to lead our society toward a more sustainable future.

The School of Architecture is fortunate to offer students a range of research labs that enhance the graduate experience. The structure of the labs ensures a supportive research culture that facilitates industry engagement and positive impact from our research outputs. Research and innovation activities in the SoA are organized in 7 theme-based Labs which define our priority research concentrations.

Steffen Lehmann, Ph.D., Director of the School of Architecture

Josh Vermillion, M. Arch., Graduate Coordinator

Architecture Faculty

Director

Lehmann, Steffen - Full Graduate Faculty

Professor; Vor-Dipl. Des., University of Applied Science, Trier; Dipl. Des., University of Applied Science, Mainz; AA Dipl., AA School, Architectural Association, London; PhD, TU-Berlin. Rebel since 2018.

Graduate Coordinator

Vermillion, Josh - Full Graduate Faculty

Assistant Professor; B.S. and B. Arch, Ball State University; M. Arch (Post-Professional), Ball State University. Rebel since 2013.

Graduate Faculty

Ansari, Iman - Full Graduate Faculty

Visiting Professor; B.Arch., The City College of the City University of New York; Master of Architecture in Urban Design (MAUD) and MDes in History, Theory, and Philosophy, Graduate School of Design, Harvard University; Ph.D. candidate, University of California, Los Angeles. Rebel since 2018.

Baird, David - Full Graduate Faculty

Professor; B.S., University of Illinois; B.Arch, University of Arizona; M.S., M.Arch., University of Arizona. Rebel since 2009.

Clarke, Steven - Full Graduate Faculty

Associate Professor; Director, UNLV Downtown Design Center; M.L.A., University of Manitoba; B. Env.D, University of Manitoba. Rebel since 2011.

Fernandez-Gonzalez, Alfredo - Full Graduate Faculty

Professor; B.Arch, Universidad La Salle; Specialist, National Autonomous University of Mexico; M.Arch, University of Oregon. Rebel since 2003.

Kopec, Dak - Full Graduate Faculty

Associate Professor; B.S. Health Sciences, California State University Long Beach, Long Beach CA; M.S. Community Psychology, Springfield College, Springfield MA; M.S. Architecture, Newschool of Architecture and Design, San Diego CA; Ph.D. Environmental Psychology, Union Institute and University, Cincinnati, OH. Rebel since 2017.

Nowak, Glenn - Full Graduate Faculty

Associate Professor; B.S. & B. Arch, Ball State University; M. Arch II, Cornell University. Rebel since 2007.

Oakley, Deborah - Full Graduate Faculty

Associate Professor; B.S. Civil Engineering, Worcester Polytechnic Institute, Worcester, MA, with distinction; M.Arch, Virginia Polytechnic Institute and State University, Blacksburg, VA. Rebel since 2009.

Ortega, Daniel - Full Graduate Faculty

Professor; B.L.A., University of Nevada, Las Vegas; M.L.A., Rhode Island School of Design. Rebel since 2000.

Solano, Samantha - Full Graduate Faculty

Assistant Professor; B.L.A., University of Nevada, Las Vegas; M.L.A., Graduate School of Design, Harvard University. Rebel since 2000.

Strain, Eric - Full Graduate Faculty

Associate Professor; B.U.S. Professional Service Marketing, University of Utah; M. Arch, University of Utah. Rebel since 2015.

Vera, Maria - Full Graduate Faculty

Assistant Professor; B.A., New York Institute of Technology; M. Arch, Universitat Politècnica de Catalunya-Metropolis Program, Barcelona. Rebel since 2014.

Weber, Eric - Full Graduate Faculty

Associate Professor; B.S., Arizona State University; M. Arch, Arizona State University. Rebel since 2011.

White, Janet R. - Full Graduate Faculty

Associate Professor; A.B., Bryn Mawr College; M. Arch, Columbia University; M.A. and Ph.D., Cornell University. Rebel since 1999.

Zawarus, Phillip - Full Graduate Faculty

Assistant Professor; B.Arch, Arizona State University; M.Arch, University of Tennessee, Knoxville. Rebel since 2016.

Plans

Graduate Certificate in Hospitality Design

Master of Architecture

Master of Design

Graduate Certificate in Hospitality Design

Plan Description

Hospitality Design Leaders from Las Vegas based architecture firms (responsible for designing most of the resorts on the Las Vegas Strip and countless other national/international projects) are collaborating with UNLV School of Architecture (SoA) to offer a graduate concentration in Hospitality Design/Entertainment Architecture. This concentration allows students to engage and learn from industry leaders and investigate the issues that shape this dynamic international design industry. For qualified applicants including international students, practitioners in disciplines related to hospitality design, and students already holding an accredited architecture degree, the SoA would like to announce the HD Certificate.

The HD Certificate program is an intensive one year course of study. To earn the certificate, students must engage in design/research under the guidance of faculty with diverse expertise and professionals with several years of experience, successfully defend their work before a panel of design critics, and demonstrate their ability to generate original material relevant to the profession and/or academia by completing a publishable work.

For more information about your program, including your graduate program handbook and learning outcomes, please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

Hospitality Design (HD) Certificate applicants must meet the following minimum qualifications for consideration of admission to the HD Certificate program: an undergraduate degree, a strong design or research background, and professional or internship experience in the hospitality industry.

Applicants must submit a portfolio of original work (specify exact role on work generated in collaborative settings) and a one page letter of intent that describes their design and/or research agenda to be developed. Each year, the HD Concentration's coordinator must receive student applications to the HD Certificate Program by July 1 in order to conduct the admissions process and make preparations for design-research proposals.

All applicants must review and follow the Graduate College Admission and Registration Requirements.

Students are accepted into a certificate program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

Total Credits Required: 21

Course Requirements

Required Courses – Credits: 9

- AAE 775 - Tourist Facility Design and Development
- AAE 789 - Architecture Research Studio

Elective Course – Credits: 3

Complete 3 credits of advisor-approved elective coursework.

Hospitality Elective Course – Credits: 3

Complete 3 credits from the following list of courses, or another advisor-approved course:

- HOA 739 - Psychology of Hospitality Marketing
- HOA 797 - Philosophy of Science in Hospitality Research
- HOA 574 - Seminar in Hotel Research
- SLS 718 - Programming for Sport and Leisure Service Organizations

Project Design Course – Credits: 6

- AAE 790 - Professional Project Design

Certificate Requirements

1. Completion of a minimum of 21 credit hours with a minimum GPA of 3.00.
2. Ideally, students take one elective in the fall semester and one elective in the spring while they are engaged in independent design research projects focusing on hospitality design/entertainment architecture issues.
3. The Project Design course will be conducted as a design research project guided by the Hospitality Design Concentration Coordinator. The culminating experience must include successful defense of design/research presentation to the student's critics and the submission of the work (or component thereof) to a refereed conference, journal, or equivalent.

Plan Certificate Completion Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation in MyUNLV by the appropriate deadline.
2. The student must successfully complete and defend his/her final project.

Master of Architecture

This program is accredited by: NAAB. More information can be found at: unlv.edu/provost/vpaa/accreditation

Plan Description

The School of Architecture offers an NAAB accredited Master of Architecture professional degree (M. Arch). The M. Arch. program has the goals of developing students' abilities to conceive and accurately represent environmentally sound and aesthetically fitting spaces at different scales and to provide a basis for understanding the consequences that these spaces have for their inhabitants, for society, and for the environment. The program supports critical thinking, design research, and paths toward licensure through award-winning faculty, world-class facilities, and a one-of-a-kind living laboratory (The Great Basin, Mojave Desert, Las Vegas, The Strip, and some of Earth's most engaging environments). The program serves its students, the profession, the state, and a diverse global community with studies focused on the built environment of a sustainable future.

Accreditation

In the United States, most registration boards require a degree from an accredited professional degree program as a prerequisite for licensure. The National Architectural Accrediting Board (NAAB), which is the sole agency authorized to accredit professional degree programs in architecture offered by institutions with U.S. regional accreditation, recognizes three types of degrees: the Bachelor of Architecture, the Master of Architecture, and the Doctor of Architecture. A program may be granted an eight-year, three-year, or two-year term of accreditation, depending on the extent of its conformance with established educational standards.

Doctor of Architecture and Master of Architecture degree programs may require a preprofessional undergraduate degree in architecture for admission. However, the preprofessional degree is not, by itself, recognized as an accredited degree.

The University of Nevada, Las Vegas, School of Architecture, offers the following NAAB-accredited degree programs:

- M. Arch. (pre-professional degree + 48 graduate credits)
- M. Arch. (non-preprofessional degree + 48-90 credits)

Next accreditation visit for all programs: 2025

For more information about your program, including your graduate program handbook and learning outcomes, please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

Each Master of Architecture program applicant must hold a baccalaureate or graduate degree from a regionally accredited college or international equivalent. Applicants must have a cumulative undergraduate GPA of 3.00 or higher. Applicants are also required to submit a design portfolio for review, a statement of intent, two letters of reference, and a writing sample. All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.

The Master of Architecture program offers prospective students two paths:

1. For applicants holding a Bachelor of Science in Architecture (BS Arch), or its equivalent, the program offers a two-year degree path in the 4+2 program.
2. For applicants with academic backgrounds outside of architecture or holding a Bachelor of Arts in Architecture, the program offers an alternative path through the 3 year plus degree program. The duration of the 3+ path varies based on an individual student's academic background and preparation. Each student applying for admission will be individually assessed and provided a course of study. This 3+ path starts in the summer with 12 credits of preparatory course work.

Interested applicants can find detailed information about the Master of Architecture program directly from the School of Architecture's web site.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

See Subplan Requirements below.

Subplan 1 Requirements: 4+2 Hospitality & Entertainment Design Track

Total Credits Required: 48

Course Requirements

Required Courses – Credits: 30

- AAE 660 - Issues in Contemporary Urbanism
- AAE 756 - Design Practice Management
- AAE 770 - Research Methods in Environmental Design
- AAE 771L - Architectural Design V
- AAE 772L - Architectural Design VI
- AAE 789 - Architecture Research Studio
- ABS 741 - Integrated Building Systems

Elective Courses – Credits: 12

Complete 12 credits of advisor-approved course work.

Professional Project – Credits: 6

- AAE 790 - Professional Project Design

Degree Requirements

1. Students are required to maintain a minimum GPA of 3.00 on a 4.00 point scale. Any student whose GPA falls below 3.00 will be placed on probation and will have one semester to raise his/her GPA to 3.00 or higher. Failure to meet the requirements of academic probation may result in separation.
2. Only those courses in which a student receives a grade of B- or better may be used for graduate credit. Students must comply with all UNLV and Graduate College policies.
3. Students are required to declare a subplan by the end of their first year.
4. In order to assess the student's progress in the program, the School of Architecture Graduate Committee will meet once a year with the student to determine whether or not he/she may advance to the next graduate year.
5. The student must successfully complete a Professional Project developed as part of the Professional Project Design course. The Professional Project should address a significant architectural problem and demonstrate a comprehensive design solution. The requirements and evaluation of this project will be determined by the instructor of the course.
6. The student is required to present his/her Professional Project to the School of Architecture Graduate Committee.

Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
2. The student must successfully complete a Professional Project.

Subplan 2 Requirements: 4+2 Education Facilities Research & Design Track

Total Credits Required: 48

Course Requirements

Required Courses – Credits: 30

- AAE 660 - Issues in Contemporary Urbanism
- AAE 756 - Design Practice Management
- AAE 770 - Research Methods in Environmental Design
- AAE 771L - Architectural Design V
- AAE 772L - Architectural Design VI
- AAE 789 - Architecture Research Studio

- ABS 741 - Integrated Building Systems

Elective Courses – Credits: 12

Complete 12 credits from the following list of courses or other advisor-approved courses:

- CIG 603 - Urban Education
- CIE 683 - Elementary Classroom Management
- CIG 761 - Theoretical Foundations of Education
- CIG 764 - Models of Teaching
- CME 720 - International and Comparative Studies in Education
- CIG 782 - School Climate
- CIS 686 - Curriculum Development Secondary Education
- CIT 607 - Technology and Computational Thinking
- CIT 772 - Technology in Teacher Education
- ESP 701 - Introduction to Special Education and Legal Issues
- ESP 715 - Communication Programming for Persons with Severe Disabilities
- ESP 774 - Seminar in Curriculum Development in Early Childhood Special Education
- ESP 775 - Strategies for Early Childhood Special Education
- ESP 777 - Assistive Technology Strategies for Young Children
- ESP 786 - Legal and Political Issues in Special Education Programming
- ESP 752 - Consultative Techniques in Special Education
- ESP 771 - Perspectives on Early Childhood Special Education
- ESP 764 - Characteristics & Inclusive Strategies for Students with LD, ED, & MID

Professional Project – Credits: 6

- AAE 790 - Professional Project Design

Degree Requirements

1. Students are required to maintain a minimum GPA of 3.00 on a 4.00 point scale. Any student whose GPA falls below 3.00 will be placed on probation and will have one semester to raise his/her GPA to 3.00 or higher. Failure to meet the requirements of academic probation may result in separation.
2. Only those courses in which a student receives a grade of B- or better may be used for graduate credit. Students must comply with all UNLV and Graduate College policies.
3. Students are required to declare a subplan by the end

of their first year.

4. In order to assess the student's progress in the program, the School of Architecture Graduate Committee will meet once a year with the student to determine whether or not he/she may advance to the next graduate year.
5. The student must successfully complete a Professional Project developed as part of the Professional Project Design course. The Professional Project should address a significant architectural problem and demonstrate a comprehensive design solution. The requirements and evaluation of this project will be determined by the instructor of the course.
6. The student is required to present his/her Professional Project to the School of Architecture Graduate Committee.

Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
2. The student must successfully complete a Professional Project.

Subplan 3 Requirements: 4+2 Building Systems & Sustainability Track

Total Credits Required: 48

Course Requirements

Required Courses – Credits: 24

- AAE 660 - Issues in Contemporary Urbanism
- AAE 756 - Design Practice Management
- AAE 770 - Research Methods in Environmental Design
- AAE 771L - Architectural Design V
- AAE 772L - Architectural Design VI
- ABS 741 - Integrated Building Systems

Elective Courses – Credits: 18

Complete 18 credits of advisor-approved elective coursework.

Thesis – Credits: 6

- AAE 791 - Thesis Writing

Degree Requirements

1. Students are required to maintain a minimum GPA of 3.00 on a 4.00 point scale. Any student whose GPA falls below 3.00 will be placed on probation and will have one semester to raise his/her GPA to 3.00 or higher. Failure to meet the requirements of academic probation may result in separation.
2. Only those courses in which a student receives a

grade of B- or better may be used for graduate credit. Students must comply with all UNLV and Graduate College policies.

3. Students are required to declare a subplan by the end of their first year.
4. In order to assess the student's progress in the program, the School of Architecture Graduate Committee will meet once a year with the student to determine whether or not he/she may advance to the next graduate year.
5. In consultation with his/her advisor, a student will organize a thesis committee of at least three departmental members. In addition, a fourth member from outside the department, known as the Graduate College Representative, must be appointed. An additional committee member may be added at the student and department's discretion. Please see Graduate College policy for committee appointment guidelines.
6. The master's thesis will have to focus on an area of concentration approved by the student's Thesis Advisory Committee and supported by elective course work related to the selected concentration subject. The student should register for thesis credits during the last year in the program.

Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
2. The student must submit and successfully defend his/her thesis by the posted deadline. The defense must be advertised and is open to the public.
3. The student must submit a bound copy of his/her thesis to the student's Thesis Advisory Committee chair and to the Architecture Studies Library. The school reserves the right to retain any or all student projects for the program's future use and exhibition.
4. After the thesis defense, the student must electronically submit a properly formatted pdf copy of their thesis to the Graduate College for format check. Once the thesis format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for thesis defenses, format check submissions, and the final ProQuest submission can be found here.

Subplan 4 Requirements: 3+ Hospitality & Entertainment Design Track

Total Credits Required: 90

Course Requirements

Preparatory Architecture Courses – Credits: 24

- AAE 555 - The Enlightenment to Mid-20th Century: Arch His and Theory

- AAE 711L - Preparatory Design I
- AAE 712L - Preparatory Design II
- AAE 713L - Preparatory Design III
- AAE 767 - Design Communications Media

Preparatory Building Science Courses – Credits: 18

- ABS 521 - Construction Technologies I
- ABS 522 - Construction Technologies II
- ABS 531 - Environmental Control Systems I
- ABS 532 - Environmental Control Systems II
- ABS 541 - Structures for Architects I
- ABS 640 - Structures For Architects II
- Preparatory Clinical Internship – Credits: 0
- AAD 600 - Clinical Internship
- Required Courses – Credits: 30
- AAE 660 - Issues in Contemporary Urbanism
- AAE 756 - Design Practice Management
- AAE 770 - Research Methods in Environmental Design
- AAE 771L - Architectural Design V
- AAE 772L - Architectural Design VI
- AAE 789 - Architecture Research Studio
- ABS 741 - Integrated Building Systems

Elective Courses – Credits: 12

Complete 12 credits of advisor-approved course work.

Professional Project – Credits: 6

- AAE 790 - Professional Project Design

Degree Requirements

1. Students are required to complete preparatory work before proceeding to the final four semesters of the program. The duration and total credits required for the program vary based on an individual student's academic background and preparation. Each student will be individually assessed to determine these preparatory requirements.
2. Students are required to maintain a minimum GPA of 3.00 on a 4.00 point scale. Any student whose GPA falls below 3.00 will be placed on probation and will have one semester to raise his/her GPA to 3.00 or higher. Failure to meet the requirements of academic probation may result in separation.
3. Only those courses in which a student receives a grade of B- or better may be used for graduate credit. Students must comply with all UNLV and Graduate College policies.
4. Students are required to declare a subplan by the end

of their first year.

5. In order to assess the student's progress in the program, the School of Architecture Graduate Committee will meet once a year with the student to determine whether or not he/she may advance to the next graduate year.
6. The student must successfully complete a Professional Project developed as part of the Professional Project Design course. The Professional Project should address a significant architectural problem and demonstrate a comprehensive design solution. The requirements and evaluation of this project will be determined by the instructor of the course.
7. The student is required to present his/her Professional Project to the School of Architecture Graduate Committee.

Graduation Requirements

The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.

The student must successfully complete a Professional Project.

*Subplan 5 Requirements: 3+ Education
Facilities Research & Design Track*

Total Credits Required: 90

Course Requirements

Preparatory Courses – Credits: 24

- AAE 555 - The Enlightenment to Mid-20th Century: Arch His and Theory
- AAE 711L - Preparatory Design I
- AAE 712L - Preparatory Design II
- AAE 713L - Preparatory Design III
- AAE 767 - Design Communications Media

Preparatory Building Science Courses – Credits: 18

- ABS 521 - Construction Technologies I
- ABS 522 - Construction Technologies II
- ABS 531 - Environmental Control Systems I
- ABS 532 - Environmental Control Systems II
- ABS 541 - Structures for Architects I
- ABS 640 - Structures For Architects II

Preparatory Clinical Internship – Credits: 0

- AAD 600 - Clinical Internship

Required Courses – Credits: 30

- AAE 660 - Issues in Contemporary Urbanism
- AAE 756 - Design Practice Management
- AAE 770 - Research Methods in Environmental

Design

- AAE 771L - Architectural Design V
- AAE 772L - Architectural Design VI
- AAE 789 - Architecture Research Studio
- ABS 741 - Integrated Building Systems

Elective Courses – Credits: 12

Complete 12 credits from the following list of courses or other advisor-approved courses:

- CIG 603 - Urban Education
- CIE 683 - Elementary Classroom Management
- CIG 761 - Theoretical Foundations of Education
- CIG 764 - Models of Teaching
- CME 720 - International and Comparative Studies in Education
- CIG 782 - School Climate
- CIS 686 - Curriculum Development Secondary Education
- CIT 607 - Technology and Computational Thinking
- CIT 772 - Technology in Teacher Education
- ESP 701 - Introduction to Special Education and Legal Issues
- ESP 715 - Communication Programming for Persons with Severe Disabilities
- ESP 774 - Seminar in Curriculum Development in Early Childhood Special Education
- ESP 775 - Strategies for Early Childhood Special Education
- ESP 777 - Assistive Technology Strategies for Young Children
- ESP 786 - Legal and Political Issues in Special Education Programming
- ESP 752 - Consultative Techniques in Special Education
- ESP 771 - Perspectives on Early Childhood Special Education
- ESP 764 - Characteristics & Inclusive Strategies for Students with LD, ED, & MID

Professional Project – Credits: 6

- AAE 790 - Professional Project Design

Degree Requirements

1. Students are required to complete preparatory work before proceeding to the final four semesters of the program. The duration and total credits required for the program vary based on an individual student's academic background and preparation. Each student will be individually assessed to determine these

preparatory requirements.

2. Students are required to maintain a minimum GPA of 3.00 on a 4.00 point scale. Any student whose GPA falls below 3.00 will be placed on probation and will have one semester to raise his/her GPA to 3.00 or higher. Failure to meet the requirements of academic probation may result in separation.
3. Only those courses in which a student receives a grade of B- or better may be used for graduate credit. Students must comply with all UNLV and Graduate College policies.
4. Students are required to declare a subplan by the end of their first year.
5. In order to assess the student's progress in the program, the School of Architecture Graduate Committee will meet once a year with the student to determine whether or not he/she may advance to the next graduate year.
6. The student must successfully complete a Professional Project developed as part of the Professional Project Design course. The Professional Project should address a significant architectural problem and demonstrate a comprehensive design solution. The requirements and evaluation of this project will be determined by the instructor of the course.
7. The student is required to present his/her Professional Project to the School of Architecture Graduate Committee.

Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
2. The student must successfully complete a Professional Project.

Subplan 6 Requirements: 3+ Building Systems & Sustainability Track

Total Credits Required: 90

Course Requirements

Preparatory Courses – Credits: 24

- AAE 555 - The Enlightenment to Mid-20th Century: Arch His and Theory
- AAE 711L - Preparatory Design I
- AAE 712L - Preparatory Design II
- AAE 713L - Preparatory Design III
- AAE 767 - Design Communications Media

Preparatory Building Science Courses – Credits: 18

- ABS 521 - Construction Technologies I
- ABS 522 - Construction Technologies II

- ABS 531 - Environmental Control Systems I
- ABS 532 - Environmental Control Systems II
- ABS 541 - Structures for Architects I
- ABS 640 - Structures For Architects II

Preparatory Clinical Internship – Credits: 0

- AAD 600 - Clinical Internship

Required Courses – Credits: 24

- AAE 660 - Issues in Contemporary Urbanism
- AAE 756 - Design Practice Management
- AAE 770 - Research Methods in Environmental Design
- AAE 771L - Architectural Design V
- AAE 772L - Architectural Design VI
- ABS 741 - Integrated Building Systems

Elective Courses – Credits: 18

Complete 18 credits of advisor-approved elective coursework.

Thesis – Credits: 6

- AAE 791 - Thesis Writing

Degree Requirements

1. Students are required to complete preparatory work before proceeding to the final four semesters of the program. The duration and total credits required for the program vary based on an individual student's academic background and preparation. Each student will be individually assessed to determine these preparatory requirements.
2. Students are required to maintain a minimum GPA of 3.00 on a 4.00 point scale. Any student whose GPA falls below 3.00 will be placed on probation and will have one semester to raise his/her GPA to 3.00 or higher. Failure to meet the requirements of academic probation may result in separation.
3. Only those courses in which a student receives a grade of B- or better may be used for graduate credit. Students must comply with all UNLV and Graduate College policies.
4. Students are required to declare a subplan by the end of their first year.
5. In order to assess the student's progress in the program, the School of Architecture Graduate Committee will meet once a year with the student to determine whether or not he/she may advance to the next graduate year.
6. In consultation with his/her advisor, a student will organize a thesis committee of at least three departmental members. In addition, a fourth member from outside the department, known as the Graduate

College Representative, must be appointed. An additional committee member may be added at the student and department's discretion. Please see Graduate College policy for committee appointment guidelines.

7. The master's thesis will have to focus on an area of concentration approved by the student's Thesis Advisory Committee and supported by elective course work related to the selected concentration subject. The student should register for thesis credits during the last year in the program.

Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
2. The student must submit and successfully defend his/her thesis by the posted deadline. The defense must be advertised and is open to the public.
3. The student must submit a bound copy of his/her thesis to the student's Thesis Advisory Committee chair and to the Architecture Studies Library. The school reserves the right to retain any or all student projects for the program's future use and exhibition.
4. After the thesis defense, the student must electronically submit a properly formatted pdf copy of their thesis to the Graduate College for format check. Once the thesis format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for thesis defenses, format check submissions, and the final ProQuest submission can be found here.

Plan Graduation Requirements

Refer to your subplan for Graduation Requirements.

Master of Design

Plan Description

This post professional degree leads to a Master of Design (M.Des.) with a concentration in Health and Wellbeing. The program provides an interdisciplinary and research/innovation-driven educational experience that is responsive to current and projected modes of professional practice that focus on human health and wellbeing. Their educational experience enables them to effectively participate in the integrated design and project delivery processes of environments that are increasingly

being considered as one of at least three modalities - pharmacologic, behavioral, and environmental - for improving the quality of human life and health. They are also prepared to practice in a variety of related positions within the broader healthcare industry.

The 4+2 Year Program of study consists of 48 credit hours of graduate course work for those who have successfully completed an undergraduate degree in a design field within the last five years. At least 27 credits must be earned from 700-level courses. The first year of studies is organized around the foundational courses in human health and behavior, research and research methods, and comprehensive interdisciplinary studio projects. The second year of studies is focused on the development of creative and innovative design strategies that can support the transformation of health promoting environments that serve to prevent, rehabilitate or accommodate a person's individual needs. In the final semester, students are required to complete an independently researched and developed design project as their culminating capstone.

The 4+3 Year Program of Study consists of an additional 24 design foundation courses. This 72 credit hours of graduate course work is for applicants of varied backgrounds in a degree recognized by UNLV. At least 39 credits must be earned from 700-level courses.

For more information about your program, including your graduate program handbook and learning outcomes, please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

Applicants to the Master of Design program must meet the following admission requirements:

1. Overall minimum GPA of 3.0/4.0 (B average) in undergraduate work. Applicants with a GPA below 3.0 but not less than 2.75 may be admitted as provisional students.
2. A Council for Interior Design Accreditation (CIDA), National Architectural Accrediting Board (NAAB), or Landscape Architecture Accreditation Board (LAAB) accredited degree if applying into the 4 + 2 Year Program. Applicants holding other accredited degrees recognized by UNLV may be admitted into the 4+3 Year Program.
3. Submission of a portfolio of design work if applying into the 4 + 2 Year Program.
4. Three letters of recommendation from former instructors and/or employers that speak to the applicant's potential as a graduate student.
5. A statement of the student's professional goals and reasons for seeking admission into the program (200 words maximum).
6. International applicants whose native language is

not English must show competency in the English language. A satisfactory score (minimum 550 on the written version or 213 on the computerized version) on the "Test of English as a Foreign Language" (TOEFL) or comparable evidence of competency in English must be submitted as part of their application.

7. All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

See Subplan Requirements below.

Subplan 1 Requirements: 4 + 2 Year Track

Subplan 2 Requirements: 4 + 3 Year Track

Subplan 1 Requirements: 4 + 2 Year Track

Total Credits Required: 48

Course Requirements

Required Courses – Credits: 30

- AAI 650 - Designed Environment and Human Behavior
- AAI 723 - Interior Construction Documents and Specifications
- HID 653 - Built Environment and Human Health
- HID 773 - Healthcare Design I.
- HID 774 - Healthcare Design II.
- HID 775 - Healthcare Design III.
- HID 776 - Design Thesis Research

Directed Elective Courses – Credits: 12

Complete 12 credits of advisor-approved course work.

Thesis – Credits: 6

- HID 777 - Design Thesis

Degree Requirements

1. Maintain a cumulative GPA of 3.0/4.0 or above each semester enrolled.
2. Receive a grade of B (3.0) or above (or satisfactory, where applicable) in all courses. If less than a B (or unsatisfactory) is earned, the course may be repeated. The student must be in good standing to repeat a course, and any course may be repeated only once.
3. Complete a minimum of six semester hours in each calendar year. The total number of credits required for graduation may vary as transfer credits may be applied towards graduation.

Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing degree requirements.
2. The student must submit and successfully present and defend an evidence-based and research-informed thesis design project by the posted deadline. The presentation must be advertised and is open to the public.
3. Unanimous approval by the thesis examination committee of the defense is required for graduation.
4. The student must submit a bound copy of his/her thesis to the student's Thesis Advisory Committee chair and to the Architecture Studies Library. The school reserves the right to retain any or all student projects for the program's future use and exhibition.
5. The student must submit his/her approved, properly formatted thesis to the Graduate College, and submit the approved electronic version to ProQuest by the posted deadline.

Subplan 2 Requirements: 4 + 3 Year Track

Total Credits Required: 72

Course Requirements

Required Courses – Credits: 54

- AAI 632 - Interior Architectural Systems
- AAI 650 - Designed Environment and Human Behavior
- AAI 654 - History of Architectural Interiors
- AAI 691 - Professional Practice
- AAI 723 - Interior Construction Documents and Specifications
- ABS 621 - Construction Technologies
- HID 653 - Built Environment and Human Health
- HID 673 - Design Communication I.
- HID 674 - Design Communication II.
- HID 773 - Healthcare Design I.
- HID 774 - Healthcare Design II.
- HID 775 - Healthcare Design III.
- HID 776 - Design Thesis Research

Directed Elective Courses – Credits: 12

Complete 12 credits of advisor-approved course work.

Professional Internship – Credits: 0

- HID 700 - Professional Internship

Thesis – Credits: 6

- HID 777 - Design Thesis

Degree Requirements

1. Maintain a cumulative GPA of 3.0/4.0 or above each semester enrolled.
2. Receive a grade of B (3.0) or above (or satisfactory, where applicable) in all courses. If less than a B (or unsatisfactory) is earned, the course may be repeated. The student must be in good standing to repeat a course, and any course may be repeated only once.
3. Complete a minimum of six semester hours in each calendar year. The total number of credits required for graduation may vary as transfer credits may be applied towards graduation.
4. Students must take and successfully complete HID 700, 200 hours of comprehensive work experience to be satisfactorily completed under the supervision of licensed/registered practitioners in a pre-approved design business entity.

Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing degree requirements.
2. The student must submit and successfully present and defend an evidence-based and research-informed thesis design project by the posted deadline. The presentation must be advertised and is open to the public.
3. Unanimous approval by the thesis examination committee of the defense is required for graduation.
4. The student must submit a bound copy of his/her thesis to the student's Thesis Advisory Committee chair and to the Architecture Studies Library. The school reserves the right to retain any or all student projects for the program's future use and exhibition.
5. The student must submit his/her approved, properly formatted thesis to the Graduate College, and submit the approved electronic version to ProQuest by the posted deadline.

Plan Graduation Requirements

Refer to your subplan for Graduation Requirements.

School of Architecture Courses

AAD 600 - Clinical Internship Credits 0
Full-time internship under the supervision of registered practitioners or equivalent. Notes: This course is crosslisted with AAD 400. Credit at the 600-level requires additional work. Prerequisites: AAE 714L or equivalent.

AAD 701 - International Study Credits 3 - 6
Full-time study of architecture and/or allied studies in a foreign location as designated by the program. Notes: May be repeated to a maximum of 12 credits. Prerequisites: Graduate standing and consent of graduate coordinator.

AAD 793 - Independent Study Credits 1 - 3
Independent study of a selected topic in architectural design. Notes: May be repeated to a maximum of six credits. Prerequisites: Graduate standing and consent of graduate coordinator.

AAD 795 - Advanced Special Topics in Design Credits 1 - 3
Experimental and other topics which may be of current interest in design. Notes: Topics and credits to be announced. May be repeated to a maximum of six credits. Prerequisites: Graduate standing and consent of graduate coordinator.

AAE 540 - Professional Practice and Society Credits 3
Professional and societal issues in architectural practice including codes, zoning, licensing, regulations, ethics and standards, building and occupancy types, exiting, accessibility and fire protection. Same as AAE 440

AAE 555 - The Enlightenment to Mid-20th Century: Arch His and Theory Credits 3
Exploration of the major movements in the history and theory of built form, beginning in the eighteenth century with the Enlightenment and continuing through the mid-twentieth century. Formerly AAE 655 Notes: Credit at the 600-level requires additional work. Prerequisites: Graduate standing.

AAE 635 - Sustainable Design Principles Credits 3
Exploration of sustainable design emphasizing application of analytical, conceptual, and representational skills within projects that engage cultural, ecological, technological, and urban contexts. Formerly AAE 735 Prerequisites: Graduate standing.

AAE 651 - Multidiscipline Theory and Analysis in Architecture Credits 3
Examination of the discourse of ideas that center on theories of architecture and related disciplines. Emphasis will be given to contemporary theories, their lineages, and their function in the genesis of architectural projects. Notes: This course is crosslisted with AAE 451. Credit at the 600-level requires additional work. Prerequisites: Graduate standing.

AAE 653 - Visionary and Utopian Architecture: Plato to Bladerunner Credits 3
Examination of the nature of visionary and utopian architecture through analysis of historical and contemporary precedent, and exploration of possibilities for application of visionary and utopian thought to design. Notes: This course is crosslisted with AAE 453. Credit at the 600-level requires additional work. Prerequisites: Graduate standing.

AAE 660 - Issues in Contemporary Urbanism Credits 3
Examines the forces shaping contemporary architectural and urban design practices including the effects of cultural, economic, and political transformations upon spatial formations. Notes: This course is crosslisted with AAE 460. Credit at the 600-level requires additional work.

AAE 711L - Preparatory Design I Credits 6
Principles of design for graduate students. Understanding of the fundamentals of architectural design principles, site planning, architectural programming, response to specific and unique climate conditions for a given site. Prerequisites: Graduate standing. Corequisite: AAE 767

AAE 712L - Preparatory Design II Credits 6
Design of structures at different scales. Emphasis on integrating technical aspects into design studio project along with psychological and behavioral aspects of space and analysis of user needs. Prerequisites: AAE 711L or consent of graduate coordinator.

AAE 713L - Preparatory Design III Credits 6
Design of medium scale urban buildings. Emphasis on integration of building systems and urban design issues. Prerequisites: AAE 712L or consent of graduate coordinator.

AAE 714L - Graduate Design IV Credits 6
Design of medium scale urban buildings. Emphasis on integration of building systems, urban design issues, and value engineering analysis. Prerequisites: AAE 713L or consent of graduate coordinator.

AAE 756 - Design Practice Management Credits 3
Investigation of professional management and organizational issues in the practice of architecture including project delivery, strategic business and financial planning. Prerequisites: AAE 772L

AAE 767 - Design Communications Media Credits 3
Basic principles of design and graphic communication. Understanding of the fundamentals of architectural graphics, 2-D design drawings, 3-D design modeling, and design and graphic composition. Prerequisites: Graduate standing. Corequisite: AAE 711L.

AAE 770 - Research Methods in Environmental Design Credits 3
Survey of research methods in environmental design. Quantitative and qualitative methods used in researching design, social/behavioral and technical problems in architecture. Prerequisites: Graduate standing.

AAE 771L - Architectural Design V Credits 6
Design and presentation of complex urban developments and multistory structures in an urban context. Prerequisites: AAE 714L or consent of graduate coordinator.

AAE 772L - Architectural Design VI Credits 6
Continuation of Architectural Design V, AAE 771L. Prerequisites: AAE 771L Corequisite: ABS 741

AAE 775 - Tourist Facility Design and Development Credits 3
Focuses on the interrelationships of social, economic and physical aspects of total tourist facilities design, with emphasis on the physical development of tourism, planning concepts of tourist centers and resort areas. Prerequisites: Consent of instructor.

AAE 789 - Architecture Research Studio Credits 6
Comprehensive building design project producing final report summarizing the building typology and conceptual design research and definitive written program requirements. Prerequisites: AAE 772L

AAE 790 - Professional Project Design Credits 6
Design of a complex building, a major design competition, or a comprehensive, integrated building design problem. Prerequisites: AAE 789

AAE 791 - Thesis Writing Credits 6
Full draft of the written thesis must be completed. Refinement of the problem statement and methodology, completion of literature review, investigation of the chosen problem, data collection and analysis expected. Notes: May be repeated until course requirements are satisfied, but only six credits counted toward M.Arch. Degree. Grading S/F grading only. Prerequisites: Consent of graduate coordinator.

AAE 793 - Advanced Independent Study Credits 1–3
Advanced independent study of a selected topic in architectural design. Paper required. Notes: May be repeated to a maximum of six credits. Prerequisites: Graduate standing and consent of instructor.

AAE 795 - Advanced Special Topics in Design Credits 1–4
Outlet for experimental and other topics which may be of current interest in design. Notes: Topics and credits to be announced. May be repeated to a maximum of eight credits. Prerequisites: Graduate standing and consent of instructor.

AAI 632 - Interior Architectural Systems Credits 3
Health promoting and comfort considerations in indoor thermal environments, air quality, ventilation, air conditioning, lighting and acoustics. Emphasis on the design applications of indoor environmental factors and the use of physical and computer modeling.

AAI 650 - Designed Environment and Human Behavior Credits 3
Effects of interior spaces, architecture, and urban settings on human well-being and functioning. Notes: This course is crosslisted with AAI 450. Credit at the 600-level requires additional work.

AAI 654 - History of Architectural Interiors Credits 3
A survey of western and non-western architectural interiors as manifestations and design expressions of social and cultural influences from the 19th century to present. Of fundamental concern is the analysis of major design trends and their relationships to corresponding aesthetic philosophies and historical periods.

AAI 680 - Furniture Design Credits 3
Integrated overview of the development and evolution of contemporary furniture design and production. Fundamental concerns include the exploration and analysis of product-specific ergonomic, technical, cultural, and aesthetic considerations. Notes: This course is crosslisted with AAI 480. Credit at the 600-level requires additional work. Prerequisites: Graduate standing and instructor consent.

AAI 691 - Professional Practice Credits 3
An in-depth examination of the history and organization of the profession of interior design. Methods of the practice of providing professional services are studied with an emphasis on the development of strategic business, marketing and planning skills.

AAI 723 - Interior Construction Documents and Specifications Credits 3
Preparation methods of effective construction documents and specifications guided by an understanding of regulations, standards, and material selection criteria. Comprehensive coverage of legal, industry regulatory, contractual, and construction issues critical to healthcare facilities planning and design. Prerequisites: ABS 621 Corequisite: HID 774

AAL 655 - Landscape Interpretation Credits 3
Investigates the vernacular landscape evolving from decisions made in manipulating physical and social environments. Examines various landscape types, including agricultural, residential, strip development, landfill, industrial, transportation corridors, landmarks, and centers. Emphasizes wayfinding, implied symbolism, and meaning in the landscape. Notes: This course is crosslisted with AAL 455. Credit at the 600-level requires additional work.

AAL 665 - GIS Planning Methods Credits 3
Environmental analysis and planning methods utilizing ArcInfo and ArcView program to develop data overlays. Notes: This course is crosslisted with AAL 465. Credit at the 600-level requires additional work.

AAP 630 - Land Use Management Credits 3

Planning implementation and evaluation of land use in both urban and non-urban contexts. Emphasis on sustainable use with a focus on conservation of valuable natural resources as well as energy. Constraints related to individual property rights and distribution of wealth treated. Notes: This course is crosslisted with AAL 430. Credit at the 600-level requires additional work.

AAP 646 - Urban Land Use: Planning and Controls Credits 3

This course may also be used for graduate elective credit. For a description of this 600-level course, please consult the current UNLV Undergraduate Catalog where it is listed as a 400-level class.

ABS 521 - Construction Technologies I Credits 3

Basic materials, methods and detailing of landscape, building and interior construction. Includes effects of zoning and code requirements. Same as ABS 321

ABS 522 - Construction Technologies II Credits 3

Investigation of building materials, assemblies, and construction delivery systems and their impact upon architectural design. Same as ABS 322 Prerequisites: AAE 521 or instructor consent.

ABS 531 - Environmental Control Systems I Credits 3

Climate, energy use, and comfort as determinants of architectural form in small-scale buildings. Emphasis on architectural methods of daylighting, heating, cooling, and ventilation for envelope-load dominated buildings. Same as ABS 331 Corequisite: ABS 531L

ABS 532 - Environmental Control Systems II Credits 3

Building design implications of HVAC systems, vertical transportation, water supply and waste systems, acoustics, and lighting systems in accordance with current building codes. Same as ABS 332 Prerequisites: AAE 531 / AAE 531L or instructor consent. Corequisite: ABS 532L

ABS 541 - Structures for Architects I Credits 3

Theory and basic elements of simple structural systems for architects, designers, and construction manager. Lecture and field trip. Same as ABS 341

ABS 621 - Construction Technologies Credits 3

Detailed study of the properties and industry applications of basic materials, construction methods and technologies for the design of buildings. Zoning and building code requirements are emphasized in relation to design, detailing, specifying, cost analysis, and green materials and systems.

ABS 632 - Solar Energy Applications in Architecture Credits 3

Solar energy as a renewable energy resource for heating and cooling of buildings. Presents technical and design issues of passive and active solar energy systems, as well as solar electric power (photovoltaics). Emphasis on architectural design integration and occupant comfort. Explores design-related projects and case studies of existing solar buildings. Prerequisites: Graduate standing.

ABS 640 - Structures For Architects II Credits 3

Continuing from Structures for Architects I, this course focuses on concepts of flexure, shear and deflection, shear and moment diagrams, compression and buckling, continuity and indeterminate structures. An emphasis is placed on understanding overall building behavior, including lateral forces and lateral framing systems, soils and foundations, and essential principles of concrete construction. Notes: This course is crosslisted with ABS 440. Credit at the 600-level requires additional work.

ABS 641 - Structures For Architects III Credits 3

This advanced elective class offers the opportunity to explore complex structural assemblies such as tensile membrane and shell structures, tensegrity and geodesic construction as well as high-rise structural systems. Lab activities that include experimental construction and testing of models plus advanced computer simulation of behavior reinforce the elemental principles. Notes: This course is crosslisted with ABS 441. Credit at the 600-level requires additional work.

ABS 643 - Interior Lighting Design Credits 3

Principles of interior lighting and daylighting. Electrical loading, evaluation of light sources for distribution, cost, and color. Notes: This course is crosslisted with ABS 443. Credit at the 600-level requires additional work. Prerequisites: ABS 532 or equivalent.

ABS 741 - Integrated Building Systems Credits 3

Design of building structures together with mechanical and electrical services, life safety codes, and building codes. Prerequisites: AAE 771L Corequisite: AAE 772L

ABS 793 - Advanced Independent Study Credits 1 – 3

Advanced independent study of a selected building science topic. Paper required. Notes: May be repeated to a maximum of six credits. Prerequisites: Graduate standing and consent of instructor.

ABS 795 - Advanced Special Topics in Building Science Credits 1 – 3

Outlet for experimental and other topics of interest in advanced building science. Paper required. Notes: Topics and credits to be announced. May be repeated to a maximum of six credits. Prerequisites: Graduate standing and consent of graduate coordinator.

HID 653 - Built Environment and Human Health Credits 3

Develop an understanding of human biological systems as they pertain to the built environment and the contraction, development, and proliferation of chronic and communicable illnesses. Emphasis is placed on common elements used within design, entry pathways to the human body, and biological development from prevention, rehabilitation to accommodation. Grading Letter grade Prerequisites: Graduate Standing in the School of Architecture.

HID 673 - Design Communication I Credits 6

The development of fundamental design communication skills and knowledge which are integral to the complex process of design decision making. An overview of design theories and applications of methodologies basic to the development of design concepts, as well as the two and three dimensional representation of design products.

HID 674 - Design Communication II Credits 6

A hybrid seminar/workshop course organized around a healthcare design methodological paradigm for conceptualizing and producing digital and analogue output that is driven by a project that, in turn, is driven by sequenced investigations. Functions of software are utilized as approaches to the digitization of interior spatial qualities. Prerequisites: HID 673

HID 700 - Professional Internship Credits 0

Professional work experience in a design or government office under the supervision of a licensed or registered practitioner. Supervision is provided by both the Healthcare Interior Design Program Coordinator and the cooperating agency. Registration for course requires Program Coordinator pre-approval. Grading S/F grading only.

HID 773 - Healthcare Design I Credits 6

First in a sequence of three project-based and data-driven Healthcare Design courses organized around a neuroscience-informed design methodological paradigm. Innovative design strategies are developed for private and small group environments to support the transformation of healthcare from reactive and hospital-centered to preventive, person-centered and focused on well-being rather than disease. Corequisite: AAI 650

HID 774 - Healthcare Design II Credits 6

Second in the sequence of three Healthcare Design courses is the design of specialized continuing care environments. Creative and innovative design strategies are developed to support independent living, assisted living, or nursing home care in later years while actively engaging in the culture of a surrounding community. Prerequisites: HID 773 Corequisite: AAI 723

HID 775 - Healthcare Design III Credits 6

Third in the sequence of three Healthcare Design courses is the design of healthcare facilities and healing environments. Creative and innovative design strategies are developed toward the influencing of the direction of responsibly built environments that will directly and positively impact the safety, operation, clinical outcomes, and financial success of healthcare facilities. Prerequisites: HID 774

HID 776 - Design Thesis Research Credits 3

A seminar/lecture course designed to engage processes involved in planning a thesis research to programmatically inform and guide the production of a successful thesis design project. The course is organized around a framework for defining a thesis topic, research methodologies, writing a comprehensive proposal, and developing a research plan.

HID 777 - Design Thesis Credits 6

Self-directed design studio course to further investigate and evaluate theoretical ideas beyond Design Thesis Research pursuant to each student's delineated conceptual framework for research-based design. Continued applications of both traditional scholarly, and design-based research methods by which design processes can engage broader issues in healthcare design Prerequisites: HID 776

HID 790 - Independent Study in Healthcare Interior Design Credits 3 - 6

Independent study of a selected topic in Healthcare Interior Design under the supervision of faculty. Prerequisites: Approval of program coordinator.

HID 795 - Advanced Special Topics in Healthcare Design Credits 3 - 6

Advanced special topics in, or related to Healthcare Design as defined in the announcement of the course offering. Notes: May be repeated to a maximum of six credits. Prerequisites: Approval of program coordinator.

Art

The three-year Master of Fine Arts (MFA) is studio-based and research-focused with an emphasis on interdisciplinarity, community engagement, and professional development. Each MFA student is provided with individual studio space. Graduate Assistantships in teaching, research, and professional development professionally advance students who have rare opportunities to engage in cutting edge research, contribute to the development of curriculum, manage studios and shops, and work alongside community members, local organizations, and other departments on campus.

Through academic and public programming, the Department of Art collaborates with UNLV's Marjorie Barrick Museum of Art, a network of campus galleries, and The College of Fine Arts which boldly launches visionaries not only in art and design, but also in dance, film, theater, set design, entertainment design, music, architecture, and related disciplines. Graduate students have the opportunity to work with a diverse art/art history faculty whose work engages a variety of media, including site based installation, sculpture, ceramics, photography, painting, drawing, printmaking, performance, intermedia, graphic design, and digital art. The department regularly presents visiting speakers and hosts artists in residence. Engagement with faculty, peers and the Las Vegas cultural community creates an experience rich environment that guides MFA candidates in their exploration of creative research activities.

The program plan encourages the development of research and practice through investigation, experimentation, risk taking and collaboration, and students regularly present work in group critiques for in depth analysis and dialogue with faculty and peers. In their second year, each student produces a midway project for evaluation and advancement of candidacy. In their third year, as the culmination of the program, each MFA candidate produces a public graduation thesis project. In addition to these milestone public exhibition projects, MFA Art candidates have opportunities to present new work in annual MFA Open Studios events and to seek out and participate in projects, workshops, and conferences on and off campus and outside of Nevada.

Department of Art MFA program alumni exhibit and publish their work regionally, nationally and internationally, and contribute to their communities and the field of contemporary art as artists, designers, writers, educators, art directors, arts administrators, advocates and cultural producers.

The MFA Program, which is a part of the UNLV Graduate College, is jointly administered by the Department of Art's graduate coordinator and the Graduate College.

For accreditation information, see the Graduate Student Handbook.

Marcus Civin, Chair

Wendy Kveck, Graduate Coordinator

Art Faculty

Chair

Civin, Marcus

Professor; B.A. Brown University; M.F.A., University of California, Irvine. Rebel since 2018.

Graduate Coordinator

Kveck, Wendy

Visiting Assistant Professor; B.F.A. University of Iowa; M.F.A., University of California, Irvine. Rebel since 2004.

Graduate Faculty

Angel, Catherine - *Graduate Faculty*

Professor; B.F.A., University of Oklahoma; M.F.A., Indiana University. Rebel since 1991.

Bavington, Tim

Associate Professor; B.F.A., Art Center College of Design; M.F.A. University of Nevada, Las Vegas. Rebel since 1987.

Burden, Jeffrey K. - *Graduate Faculty*

Professor; B.F.A., University of Evansville; M.F.A., University of Indiana. Rebel since 2007.

Doughty, Ashley Hairston

Assistant Professor; B.F.A., Washington University in St. Louis; M.F.A., School of the Art Institute of Chicago. Rebel since 2017.

Farley, Katherine

Assistant Professor; B.S., Texas A&M University; M.F.A., University of Tennessee, Knoxville. Rebel since 2017.

Fong, Michael – *Graduate Faculty*

Assistant Professor; B.F.A., University of Nevada, Las Vegas; M.F.A., Syracuse University. Rebel since 2008.

McDonald, Aya Louisa - *Graduate Faculty*

Professor; B.A., M.A., Ph.D., Stanford University. Rebel since 2000.

Newbury, Susanna - *Graduate Faculty*

Associate Professor; B.A. Oberlin; M.A., Ph.D., Yale University. Rebel Since 2014.

Rafat, Pasha - *Graduate Faculty*

Professor, B.S. Arizona State University; M.A., M.F.A. California State University, Fullerton. Rebel since 1986.

Rowe, David - *Graduate Faculty*

Associate Professor; B.F.A. University of Illinois; M.F.A. Indiana University. Rebel since 2013.

Seo, Sang-Duck - *Graduate Faculty*

Professor; B.F.A. Daegu University, Korea; M.F.A., Ph.D. Iowa State University. Rebel since 2006.

Tracy, Robert H. - *Graduate Faculty*

Associate Professor; B.A., California State University, Hayward; M.A., Ph.D., University of California, Los Angeles. Rebel since 1984.

Watkins, Helga - *Graduate Faculty*

Associate Professor; B.F.A., Savannah College of Art and Design; M.F.A., University of Notre Dame. Rebel since 1999.

Professors Emeriti

Abbey, Rita Deanin

Emeritus Professor; B.F.A., M.A., University of New Mexico. UNLV Emeritus 1967-1987.

Leaf, Bill S.

Professor; B.F.A., San Francisco Art Institute; M.A., University of California, Davis. UNLV Emeritus 1973.

McCollum, Michael L.

Emeritus Dean of Fine and Performing Arts; A.B., Humboldt State University; M.A., M.F.A., University of California, Berkeley. UNLV Emeritus 1969-1995.

Plan

Master of Fine Arts – Art

Master of Fine Arts - Art

This program (Photography or Sculpture) is accredited by: NASAD. More information can be found at: unlv.edu/provost/vpaa/accreditation

Plan Description

Throughout the program, students read, write, conduct text-based and practice-based research, and present their work in group critique with faculty, peers, program visitors, and community members.

- In year one, students take courses in art history or theory/criticism and ART 721 to introduce their work to Graduate Faculty in group critiques and studio visits. At the end of the year, students invite selected faculty to join their Graduate Advisory Committee.
- In year two, students take additional courses in art history or theory/criticism and work with their Graduate Advisory Committee in independent study to prepare and present their Midway exhibition.
- In year three, students can take additional courses in art history or theory/criticism while working with their Graduate Advisory Committee in independent study to prepare and present their Thesis exhibition/ Graduate Culminating Experience Project.

Elective course offerings include art history and theory/contemporary practice seminars in the department and graduate coursework outside of the department. Elective program activities include: Open Studios, themed exhibitions, engagement with undergraduate students, field trips, professional development workshops, and pursuing a Graduate College teaching certification.

For more information about your program, including your graduate program handbook and learning outcomes please visit the Degree Directory.

Plan Admission Requirements

Applicants to the program leading to this degree must hold a Bachelor of Arts in Art (or an equivalent degree) from an accredited university.

Applications available on the UNLV Graduate College website. The application for admission, request for graduate assistantship, 3 letters of recommendation and transcripts should be sent directly to the Graduate College following the respective deadlines.

Additionally, applicants should submit the following materials to the Department of Art at art.gradcoord@unlv.edu in a single PDF:

1. Digital Portfolio of 20 recent work samples which represent your strongest work from the past three years, with an emphasis on work from the past twelve

months

2. A written statement of intent (500-800 words) describing the philosophy, motivations and objectives of your artistic research and how the UNLV MFA Art Program will help you further your work and academic and career goals
3. A Curriculum Vitae/Resume

Detailed submission instructions and file/formatting guidelines can be found on the Department of Art website, [HERE](#). A link to these Department of Art supplemental application materials requirements may also be found in the Graduate College's online application form.

All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

See Subplan Requirements below.

Subplan 1: Post-Bachelor's Track

Subplan 2: Post-M.A. Track

Subplan 1 Requirements: Post-Bachelor's Track

Total Credits Required: 60

Course Requirements

Studio Course – Credits: 6

Complete 6 credits of the following course.

- ART 721 - Graduate Faculty Studio

Art History or Directed Readings – Credits: 6

Students are required to take a minimum of 6 credits in advisor-approved Art History courses or Directed Readings. Art History and Special Topics in Art History course offerings may vary each semester.

- ART 747 - Directed Readings

Theory Courses – Credits: 3

Complete 3 credits from the following list of courses or another University Theory and Criticism course:

- ART 737 - Theory and Criticism

Additional Courses – Credits: 42

Complete 42 credits from the following list of courses or other advisor-approved courses.

- ART 710 - Graduate Studio
- ART 720 - Graduate Projects
- ART 700 - Seminar in Studio Practices
- ART 604 - Art in Public Places

- ART 673 - Twentieth Century Art
- ART 674 - History of American Art
- ART 676 - Performance and Media Art
- ART 677 - Art Since 1945
- ART 680 - The Art of China
- ART 681 - Art of Japan
- ART 695 - Special Topics in Art History
- ART 699 - Special Topics in Art History
- ART 722 - Graduate Contemporary Practice Seminar
- ART 770 Graduate Internship

Graduate Culminating Experience Project – Credits: 3

- ART 777 - Graduate Culminating Experience Project

Degree Requirements

1. MFA candidates must be enrolled as full-time students. Students pursuing the Master of Fine Arts degree must satisfy all Graduate School requirements in addition to specific departmental requirements.
2. During their second year in the MFA program, the student's work must be presented to their graduate advisory committee for evaluation as a Midway exhibition/project. The committee assesses and determines if the student's progress meets the standards required for advancement to candidacy. Students are required to post a public Midway Statement in the gallery or on site during the Midway project (500 words minimum).
3. Students must create, curate and publicize a comprehensive public MFA Thesis project consisting of an exhibition of a representative culminating body of work and a statement (2,000-word minimum) regarding the intent and underlying conceptualization. The student must pass their final evaluation, an oral Thesis Defense with their Graduate Advisory Committee during their exhibition.
4. Students are required to submit a digital Thesis Packet including the following: high-resolution, digital documentation of thesis work and installation and accompanying image list; 2,000 word minimum thesis statement; CV; 200 word minimum artist bio.
5. During their time in the program, students are required to apply for three professional development opportunities, including, but not limited to, artist residencies, exhibitions, and grants.
6. Students are required to present a public lecture about their work in their final year in the program.

Graduation Requirements

See Plan Graduation Requirements below.

Subplan 2 Requirements: Post-M.A. Track

Total Credits Required: 45

Course Requirements

Studio Course – Credits: 6

Complete 6 credits of the following course.

- ART 721 - Graduate Faculty Studio

Art History or Directed Readings – Credits: 6

Students are required to take a minimum of 6 credits in advisor-approved Art History courses or Directed Readings. Art History and Special Topics in Art History course offerings may vary each semester.

- ART 747 - Directed Readings

Theory Courses – Credits: 3

Complete 3 credits from the following list of courses or another University Theory and Criticism course:

ART 737 - Theory and Criticism

Additional Courses – Credits: 27

Complete 27 credits from the following list of courses or other advisor-approved courses.

- ART 710 - Graduate Studio
- ART 720 - Graduate Projects
- ART 604 - Art in Public Places
- ART 673 - Twentieth Century Art
- ART 674 - History of American Art
- ART 676 - Performance and Media Art
- ART 677 - Art Since 1945
- ART 680 - The Art of China
- ART 681 - Art of Japan
- ART 695 - Special Topics in Art History
- ART 699 - Special Topics in Art History
- ART 700 - Seminar in Studio Practices
- ART 722 - Graduate Contemporary Practice Seminar
- Art 770 Graduate Internship

Graduate Culminating Experience Project – Credits: 3

- ART 777 - Graduate Culminating Experience Project

Degree Requirements

1. MFA candidates must be enrolled as full-time students. Students pursuing the Master of Fine Arts degree must satisfy all Graduate School requirements in addition to specific departmental requirements.

2. During their second year in the MFA program, the student's work must be presented to their graduate advisory committee for evaluation as a Midway exhibition/project. The committee assesses and determines if the student's progress meets the standards required for advancement to candidacy. Students are required to post a public Midway Statement in the gallery or on site during the Midway project (500 words minimum).
3. Students must create, curate and publicize a comprehensive public MFA Thesis project consisting of an exhibition of a representative culminating body of work and a statement (2,000-word minimum) regarding the intent and underlying conceptualization. The student must pass their final evaluation, an oral Thesis Defense with their Graduate Advisory Committee during their exhibition.
4. Students are required to submit a digital Thesis Packet including the following: high-resolution, digital documentation of thesis work and installation and accompanying image list; 2,000 word minimum thesis statement; CV; 200 word minimum artist bio.
5. During their time in the program, students are required to apply for three professional development opportunities, including, but not limited to, artist residencies, exhibitions, and grants.
6. Students are required to present a public lecture about their work in their final year in the program.

Graduation Requirements

See Plan Graduation Requirements below.

Plan Graduation Requirements

The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.

The student must submit and successfully defend their Graduate Culminating Experience Project by the posted deadline. The exhibit must be advertised and open/accessible to the public.

Art Courses

ART 604 - Art in Public Places Credits 3

Theoretical and practical investigation of art in public places. Concentration on collaborative process between artists, designers, architects and communities. Includes site considerations, grant writing, proposal preparation and presentation, budgeting, legal aspects, publicity and report development and documentation. Notes: This course is crosslisted with ART 404. Credit at the 600 level requires additional work.

ART 620 - Advanced Painting Credits 3

Emphasizes individual development in painting and encourages experiments with new techniques. Same as This course is cross-listed with ART 432. Notes: Credit at the 600-level requires additional work. May be repeated to a maximum of nine credits. Grading Letter grade

ART 663 - History of Early Renaissance Art Credits 3

History of art from the late Gothic through the fifteenth century in Italy. Notes: This course is crosslisted with ART 463. Credit at the 600-level requires additional work.

ART 664 - High Renaissance and Mannerist Art Credits 3

History of art of the sixteenth century in Italy and Spain. Notes: This course is crosslisted with ART 464. Credit at the 600 level requires additional work.

ART 665 - History of Northern Renaissance Art Credits 3

History of Renaissance art in the countries north of the Alps. Notes: This course is crosslisted with ART 465. Credit at the 600-level requires additional work.

ART 667 - History of Baroque Art I Credits 3

History of art of the seventeenth century in Italy and Spain. Notes: This course is crosslisted with ART 467. Credit at the 600 level requires additional work.

ART 668 - History of Baroque Art II Credits 3

History of art during the seventeenth century in Flanders, Holland, and France. Notes: This course is crosslisted with ART 468. Credit at the 600 level requires additional work.

ART 669 - Art of Eighteenth Century Europe I Credits 3

Eighteenth-century art in France. Notes: This course is crosslisted with ART 469. Credit at the 600 level requires additional work.

ART 670 - Art of Eighteenth Century Europe II Credits 3

Eighteenth-century art in Italy, England, Germany and Spain. Notes: This course is crosslisted with ART 470. Credit at the 600 level requires additional work.

ART 672 - Nineteenth Century Art Credits 3

History of European art in the nineteenth century. Notes: This course is crosslisted with ART 472. Credit at the 600 level requires additional work.

ART 673 - Twentieth Century Art Credits 3

History of European art in the twentieth century. Notes: This course is crosslisted with ART 473. Credit at the 600 level requires additional work.

ART 674 - History of American Art Credits 3

History of art in the United States from the seventeenth century until World War II. Notes: This course is crosslisted with ART 474. Credit at the 600 level requires additional work.

ART 676 - Performance and Media Art Credits 3

Provides an alternative history of contemporary art, focusing on performance, media, participatory, and action-based art from the early twentieth century to the present. Notes: This course may be repeatable for up to 18 credits with instructor consent. Grading Letter grade

ART 677 - Art Since 1945

Study of painting, sculpture, and architecture since World War II and of the critical and cultural milieu in which these art forms developed. Notes: This course is crosslisted with ART 477. Credit at the 600 level requires additional work.

ART 680 - The Art of China Credits 3

Surveys the history of the art and architecture of China. Notes: This course is crosslisted with ART 480. Credit at the 600 level requires additional work.

ART 681 - Art of Japan

Surveys the art and architecture of Japan from prehistoric to the Meiji Restoration. Inter-relationships between Japanese and western art briefly covered. Notes: This course is crosslisted with ART 481. Credit at the 600 level requires additional work.

ART 695 - Special Topics in Art History Credits 3

Varies by semester; addresses various art history topics. Notes: This course is cross-listed with ART 495. Credit at the 600 level requires additional work. May be repeated for maximum of 15 credits with department consent.

ART 698 - Graduate Seminar in the Visual Arts Credits 3

Examines contemporary themes in the practice and theory of contemporary art. Notes: This course is cross-listed with ART 498. Credit at the 600 level requires additional work. May be repeated to a maximum of 18 credits. Grading Letter Grade.

ART 699 - Special Topics in Art History Credits 3

Special topics in Art History. Grading Letter grade

ART 700 - Seminar in Studio Practices Credits 3

Studio practices directed toward the analysis of studio work. Fosters an open and conducive atmosphere for examination of media and concepts through constructive criticism. Notes: May be repeated to a maximum of 12 credits.

ART 710 - Graduate Studio Credits 1 – 6

Individual problems in the studio, with choice of medium, working towards the Midway Project. Proposal outlining outcomes, reading list or artists researched, and meeting times must be submitted and approved by instructor and department chair before enrollment. Notes: May be repeated with change of subject, maximum of 24 credits. Prerequisites: Graduate Standing.

ART 720 - Graduate Projects Credits 1 – 6

Individual problems in the studio, with choice of medium, working towards the public Thesis project. Student proposal outlining outcomes, reading list, research, and meeting times must be approved by instructor and department chair before enrollment. Notes: May be repeated with change of subject, maximum of 30 credits. Prerequisites: Graduate Standing in Art.

ART 721 - Graduate Faculty Studio Credits 3

Individual problem in the studio area with regularly scheduled critique and discussion sessions with department faculty. Notes: May be repeated to a maximum of eighteen credits. Grading Letter Grade Prerequisites: Graduate standing.

ART 722 - Graduate Contemporary Practice Seminar Credits 3

Examination of contemporary themes in the practice of contemporary art. Notes: May be repeated to a maximum of eighteen credits. Grading Letter Grade.

ART 737 - Theory and Criticism Credits 3

Analysis of the various aesthetic theories of art in the Western world. Same as No Notes: May be repeated to a maximum of nine credits. Prerequisites: Graduate standing.

ART 747 - Directed Readings**Credits 1 – 3**

Directed readings in art history in a specific area agreed upon by the students and faculty prior to registration. Notes: May be repeated for a maximum of fifteen credits. Grading Letter Grade. Prerequisites: Graduate standing.

ART 770 - Graduate Art Internship**Credits 3**

Supervised professional development experience with a departmentally approved internship site/mentor and a separate campus academic advisor. Notes: May be repeated to a maximum of 15 credits. Grading Letter Grade. Prerequisites: Completed internship application, appropriate previous course work and written consent by program coordinator required for enrollment.

ART 777 - Graduate Culminating Experience Project**Credits 3**

Culminates in a public graduate project presented by the candidate for the Master of Fine Arts degree during their final semester in the program. Prerequisites: Must be taken in final semester, graduate standing.

Film

The UNLV Department of Film offers a Master of Fine Arts degree in Writing for Dramatic Media. This terminal film degree provides students with opportunities to develop motion picture screenplays, stage plays, television series, content for the internet, mobile communication, and game-scripting. This is in keeping with the narrative driven curriculum of the Film Department as a whole. This MFA professional training program presents superior academic and artistic standards for the candidates. They are challenged to elevate their talent and craft to levels of excellence to make for seamless transfers into careers in the entertainment industry. Students completing the three-year program will have a significant group of feature motion picture and television scripts that have been honed to the sharpest professional sensibility. In addition to faculty with professional experience, the students are exposed to a variety of guests who are working in the industry.

Heather Addison, Ph.D., Chair

Sean Clark, Graduate Coordinator

Film Faculty**Chair**

Addison, Heather - *Full Graduate Faculty*

Professor; B.S., Eastern Michigan; M.A., Eastern Michigan; Ph.D., University of Kansas.

Graduate Coordinator

Clark, Patrick Sean - *Full Graduate Faculty*

Professor; B.S., University of Missouri; M.F.A., University of Iowa. Rebel since 1999.

Graduate Faculty

386 *Graduate Catalog • College of Fine Arts*

Gilyard, Clarence

Associate Professor; B.A., California State University; M.F.A., Southern Methodist University.

Levner, Brett

Associate Professor; B.F.A., New York University's Tisch School of the Arts; M.F.A., Columbia University.

Menendez, Francisco - *Full Graduate Faculty*

Professor; B.A., University of Puget Sound; M.F.A., California Institute of the Arts. Rebel since 1990.

Schmoeller, David

Associate Professor; M.A., University of Texas

Waldman, David

Associate Professor; M.F.A., American Film Institute.

Wegner, Hart L. - *Full Graduate Faculty*

Professor Emeritus; B.A., M.A., University of Utah; Ph.D., Harvard University. Rebel since 1968.

Plans

Graduate Certificate in Writing for Dramatic Media

Master of Fine Arts - Writing for Dramatic Media

Graduate Certificate in Writing for Dramatic Media*Plan Description*

The UNLV Department of Film offers a Graduate Certificate in Writing for Dramatic Media. The mission of the Writing for Dramatic Media Certificate Program at UNLV is to give graduate students in other disciplines the opportunity to study creative writing for various dramatic media at a professional standard and to award those who complete the program a valuable distinction to benefit them in their careers.

For more information about your program, including your graduate program handbook and learning outcomes, please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

The certificate candidate must already have been accepted by the Graduate College at UNLV and be a graduate degree-seeking candidate in good standing in a field other than film. The candidate must have the authorization by the graduate coordinator or advisor from their own program or department. The certificate candidate may start at any time in their studies, but must complete the requirements prior to, or in the same semester, as completing their graduate degree.

All applicants must review and follow the Graduate College Admission and Registration Requirements.

Students are accepted into a certificate program as

described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

Total Credits Required: 12

Course Requirements

Screenwriting Course – Credits: 6

Complete 6 credits of the following course:

- FILM 722 - Graduate Screenwriting

Required Courses – Credits: 6

Complete 6 credits from the following courses:

- FILM 615 - Story Development
- FILM 618 - Writing for Television I
- FILM 619 - Writing for Television II
- FILM 720 - Advanced Cinematic Structure
- FILM 723 - Ensemble Screenwriting
- FILM 724 - The Adaptation Screenplay
- FILM 725 - Writing for Assignment
- FILM 726 - Advanced Screenplay Analysis
- FILM 727 - Advanced Screenplay Theory
- FILM 728 - Graduate Production

Certificate Requirements

Completion of a minimum of 12 credit hours with a minimum GPA of 3.00.

The culminating experience will be a two hour oral defense of a significant creative work that was developed within the program.

Plan Certificate Completion Requirements

The student must submit all required forms to the Graduate College and then apply for graduation in MyUNLV by the appropriate deadline.

The student must successfully complete and defend his/her final project.

Master of Fine Arts - Writing for Dramatic Media

Plan Description

The UNLV Department of Film offers a Master of Fine Arts in Writing for Dramatic Media. This terminal degree focuses specifically on the art and craft of writing for performance. This is a three-year long creative writing discipline housed in a film department. The focus of the program is on developing feature screenplays but the candidate will also produce television screenplays, stage plays, and various types of work for digital media as it evolves.

The program is based on a “conservatory” approach of practice and repetition and includes a significant amount of “pitching,” or working aloud, as part of the process. Students completing the three-year program will have a significant group of feature motion picture, television, and other scripts that have been honed to a professional level. In addition to faculty with professional experience, the students are exposed to a variety of professional guests.

For more information about your program, including your graduate program handbook and learning outcomes please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

Students are admitted in the fall term of each academic year. In addition to the general requirements for admission to the Graduate College, the following materials must be submitted.

1. A writing sample to the Graduate Coordinator. This sample should be a screenplay. A stage play or prose fiction will suffice if approved by the coordinator. The sample is needed to demonstrate narrative ability.
2. The names, addresses, and telephone numbers of two references.
3. Finalists will be interviewed, by telephone or in person, by the Graduate Coordinator.

Review of applications begins January 15.

All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

Total Credits Required: 54

Course Requirements

Screenwriting Course – Credits: 18

Complete 18 credits of the following course:

- FILM 722 - Graduate Screenwriting

Required Courses – Credits: 18

Complete 18 credits from the following courses:

- FILM 615 - Story Development
- FILM 618 - Writing for Television I
- FILM 619 - Writing for Television II

- FILM 720 - Advanced Cinematic Structure
- FILM 723 - Ensemble Screenwriting
- FILM 724 - The Adaptation Screenplay
- FILM 725 - Writing for Assignment
- FILM 726 - Advanced Screenplay Analysis
- FILM 727 - Advanced Screenplay Theory
- FILM 728 - Graduate Production

Elective Courses – Credits: 18

Complete 18 credits of 600- or 700-level advisor approved courses.

Degree Requirements

1. Completion of a minimum of 54 credit hours with a minimum GPA of 3.00.
2. In consultation with his/her advisor, a student will organize an advisory committee of at least three departmental members. In addition, a fourth member from outside the department, known as the Graduate College Representative, must be appointed. An additional committee member may be added at the student and department's discretion. Please see Graduate College policy for committee appointment guidelines.
3. During the three years of study, each screenwriting student will be expected to complete a minimum of four full-length feature motion picture screenplays and two television scripts. In practice, the output is actually closer to five screenplays and four television scripts. One screenplay will be selected to be the candidate's thesis script. It will undergo final revision as the work most indicative of the candidate's art and craft.
4. A two-hour oral examination will take place at the end of the course of study. This examination focuses on the student's final project (1 hour) and on all remaining work completed within the program (1 hour).

Plan Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
2. The student must successfully complete and defend his/her final project.

Film Courses

FILM 615 - Story Development Credits 3
Basis of cinematic structure, emphasizing action, construction, tension, and character. Story development through motion picture formats. Notes: This course is crosslisted with FIS 415. Credit at the 600-level requires additional work. Grading Letter grade.

FILM 618 - Writing for Television I Credits 3
With emphasis on the narrative exploration of the television hour-drama, students develop and complete one hour-drama spec script. Notes: This course is crosslisted with FILM 418. Credit at the 600-level requires additional work. May be repeated to a maximum of six credits. Grading Letter grade

FILM 619 - Writing for Television II Credits 3
As a continuation of FILM 618, students explore the television situation comedy and develop and complete one sit-com script. Notes: This course is crosslisted with FILM 419. Credit at the 600-level requires additional work. May be repeated to a maximum of six credits.

FILM 680 - Historical Survey of Screen Acting Credits 3
Explores the history of screen acting from the beginnings of film and television to the present day, including major movements and approaches Grading Letter Grade.

FILM 720 - Advanced Cinematic Structure Credits 3
Analytical study of screenplay structure based on the filmed script. Select motion pictures established as subject films studied in piece and in detail as to how the structure of each scene works as itself and in the film as whole. Notes: May be repeated to a maximum of six credits. Grading Letter grade Prerequisites: Graduate standing.

FILM 721 - Collaboration and Preparation Credits 3
Practical exploration of the working process between the screenwriter, the director and the producer. Focuses moving the screenplay from "writers" draft to "production" draft in preparation for shooting. Notes: May be repeated for a maximum of six credits. Prerequisites: Graduate standing.

FILM 722 - Graduate Screenwriting Credits 3
Study of art and craft of writing a feature-length motion picture screenplay. Student completes a full-length (120 pages) screenplay or completes a thorough revision in workshop environment. Notes: May be repeated for a maximum of eighteen credits. Prerequisites: Consent of instructor.

FILM 723 - Ensemble Screenwriting Credits 3
Study of the art and craft of screenwriting in an ensemble. Students, as a group, complete four short screenplays and revisions. Notes: May be repeated for a maximum of six credits. Prerequisites: Consent of instructor.

FILM 724 - The Adaptation Screenplay Credits 3
Study of adapting a screenplay from another written medium by writing a full-length (120-page) screenplay in accepted industry format. The screenplay must have a contemporary setting but source material must be at least 100 years old and in public domain. Notes: May be repeated for a maximum of six credits. Prerequisites: Consent of instructor.

FILM 725 - Writing for Assignment Credits 3
Study and practice of editing, rewriting and revising the creative work of other screenwriters. Students analyze precedent of revising know screenplays, rewrite a full-length script as a group and commit an individual rewrite of a full-length script. Notes: May be repeated for a maximum of six credits. Grading Letter grade Prerequisites: Consent of instructor.

FILM 726 - Advanced Screenplay Analysis Credits 3

In-depth analytical study of a filmed script. Analysis ranges from the effects of a scripted visual technique to metaphor to personal and societal influences. Students write and present two analytical papers. Grading Letter grade Prerequisites: Consent of instructor.

FILM 727 - Advanced Screenplay Theory Credits 3

Analytical study of motion pictures with focus on the screenwriter's intent and agenda. Students conduct thorough research on screenwriters and provide analysis of the screenwriters' product. Students present and defend two papers combining this research and analysis. Grading Letter grade Prerequisites: Consent of instructor.

FILM 728 - Graduate Production Credits 3

Analytical approach to the professional production of a student's screenplay. Students chronicle all levels of involvement with the physical "shooting" of his, or her, script. Notes: May be repeated for a maximum of six credits Prerequisites: Consent of instructor.

School of Music

The UNLV School of Music provides a professional artistic environment that supports programs of excellence in the development of musicians.

The School of Music offers graduate programs (accredited by the National Association of Schools of Music) leading to the Master of Music as well as the Doctor of Musical Arts.

Students not admitted to graduate programs in music may register for graduate courses only with permission from the instructor of the course and the appropriate program administrator.

Sue Mueller, Director

Richard Miller, Ph.D., Graduate Coordinator

Music Faculty

Director

Mueller, Susan - *Full Graduate Faculty*

Associate Professor; B.M., The University of Kansas; M.M., Lesley College. Rebel since 2002.

Graduate Coordinator

Miller, Richard - *Full Graduate Faculty Assistant Professor*; B. A., M. M., Ph. D., University of Wisconsin-Madison. Rebel since 2015.

Graduate Faculty

Anderson, Alfonso - *Full Graduate Faculty*

Professor; B.A., M.M., Texas Southern University; D.M.A., University of Arizona. Rebel since 1997.

Barone, Anthony - *Full Graduate Faculty*

Associate Professor; B.A., Cornell University; M.A., Eastman School of Music; Ph.D., Columbia University. Rebel since 2006.

Bellor, Jennifer - *Full Graduate Faculty*

Visiting Lecturer; B.A., Cornell University; M.M., Syracuse University Bloomington; Ph.D., Eastman School of Music. Rebel since 2014.

Bernatis, Bill - *Full Graduate Faculty*

Associate Professor; B.M., Washburn University of Topeka; M.M., Indiana University Bloomington. Rebel since 1998.

Burkett, Eugenie - *Full Graduate Faculty*

Associate Professor; B.M.E., Baylor University; M.M., Manhattan School of Music; Ph.D., University of Wisconsin-Madison. Rebel since 2005.

Caplan, Stephen - *Full Graduate Faculty*

Professor; B.M., Northwestern University; M.M., D.M.A., University of Michigan. Rebel since 1989.

Fitzpatrick, Tod - *Full Graduate Faculty*

Associate Professor; B.M., Chapman University; M.M., University of Southern California; D.M.A., University of Southern California. Rebel since 2003.

Grim, Jennifer - *Full Graduate Faculty*

Associate Professor; B.A., Stanford University; M.M., M.M.A., D.M.A., Yale University. Rebel since 2007.

Gronemeier, Dean - *Full Graduate Faculty*

Professor and Associate Dean; B.A., Northern Illinois University; M.M., D.M.A., University of Arizona; J.D., University of Nevada, Las Vegas. Rebel since 1989.

Halka, Charles - *Associate Graduate Faculty*

Visiting Lecturer, B.M., Peabody Conservatory; M.M., Peabody Conservatory (Theory Pedagogy); M. M. Peabody Conservatory (Composition); D.M.A., Rice University.

Hanlon, Kenneth M. - *Full Graduate Faculty*

Professor; B.M., M.M., D.M.A., Peabody Conservatory of Music of Johns Hopkins University. Rebel since 1970.

Hoft, Timothy - *Full Graduate Faculty*

Assistant Professor, B.M., University of Michigan; M.M., Peabody Conservatory of Music of Johns Hopkins University; D.M.A. Peabody Conservatory of Music of Johns Hopkins University. Rebel since 2012.

Hull, Barbara - *Full Graduate Faculty*

Faculty-in-Residence; B.M., Houghton College; M.M., Eastman School of Music; D.M.A. Eastman School of Music. Rebel since 2015.

Jones, Timothy - *Full Graduate Faculty*

Assistant Professor, B.M., University of Adelaide; D.M.A., University of Nevada, Las Vegas. Rebel since 1997.

Krysa, Taras - *Full Graduate Faculty*

Associate Professor; B.M., Manhattan School of Music; M.M., Indiana University; M.M., Northwestern University. Rebel since 2007.

LaBounty, Anthony - *Full Graduate Faculty*

Associate Professor; B.M. University of Arizona; M.S., University of Illinois Urbana. Rebel since 1988.

Le, Wei-Wei - *Full Graduate Faculty*

Associate Professor; B.M. Oberlin Conservatory of Music; M.M. Cleveland Institute of Music. Rebel since 2007.

Lee, Jonathan - *Full Graduate Faculty*
Assistant Professor; B. A., Colgate University;
M.M., San Francisco Conservatory of Music; M. A.,
University of California-Berkeley; Ph.D. University
of California-Berkeley. Rebel since 2015

Leslie, Thomas - *Full Graduate Faculty*
Professor; B.M.E., University of Iowa; M.S.,
Indiana State University. Rebel since 1985.

Lister, Linda - *Full Graduate Faculty*
Associate Professor; A.B., Vassar; M.M. Eastman
School of Music; D.M.A., University of North
Carolina-Greensboro. Rebel since 2011.

Loeb, David - *Full Graduate Faculty*
Professor; B.S., West Chester University;
M.M., The University of Rochester, Eastman
School of Music. Rebel since 2002.

McKay, Janis - *Full Graduate Faculty*
Professor; B.M., University of Georgia;
M.M., University of Louisville; D.M.A., Ohio
State University. Rebel since 1995.

Smith, Andrew - *Full Graduate Faculty*
Associate Professor; B.M., Hartt College of Music;
M.M., Mannes College of Music; D.M.A., University
of California, Santa Barbara. Rebel since 1995.

Sturm, Marina - *Full Graduate Faculty*
Associate Professor; Wisconsin Conservatory
of Music; Institute de Hautes Etudes Musicales;
M.M., Victoria University; D.M.A., State University
of New York at Stony Brook. Rebel since 2004.

Suk, Mykola - *Full Graduate Faculty*
Associate Professor; B.M./M.M., D.M.A., Moscow
State Conservatory of Music. Rebel since 2001.

Tanouye, Nathan - *Associate Graduate Faculty*
Assistant Professor; B.A., University of
Nevada, Las Vegas. Rebel since 2010.

Vega, Diego - *Full Graduate Faculty*
Assistant Professor; Assistant Professor; B.M.,
Universidad Javeriana; M.M., University of
Cincinnati College - Conservatory of Music;
D.M.A. Cornell Universit. Rebel since 2010.

Weiller, David - *Full Graduate Faculty*
Associate Professor; B.A., Occidental College; M.M.,
University of Illinois Urbana. Rebel since 1984.

Professors Emeriti

Baley, Virko - *Full Graduate Faculty*
Professor; B.M., M.M., Los Angeles Conservatory
of Music and Arts. Rebel since 1970.

Emerson, Isabelle
Emeritus Professor; A.B. Barnard College; S.M.M. Union
Theological Seminary; M. PHIL. Columbia University;
Ph.D. Columbia University. UNLV Emeritus 1979-2006.

Kimball, Carol A.
Emeritus Professor; B. S. New York University;
M. A. Arizona State University; D.M.A. Arizona
State University. UNLV Emeritus 1972-2008.

Peterson, Douglas
Emeritus Professor; B.A. Grinnell College; B.M.E.,
Florida State University; M.A. University of Iowa; D.M.A.,
University of Iowa. UNLV Emeritus 1967-2000.

Warrington, Tom - *Full Graduate Faculty*
Professor; B.M., University of Illinois Urbana Campus;
M.M. Bowling Green State University. Rebel since 1999.

Plans

Artist Diploma

Graduate Certificate in Teacher Licensure K-12 Music

Master of Music

Doctor of Musical Arts

Artist Diploma

Plan Description

The Artist Diploma is a two-year program for gifted performers who are looking for advanced instrumental, conducting, or vocal studies without the additional academic demands required in a Doctor of Musical Arts (DMA) or Ph.D. program. Applicants must have already earned a master's degree or equivalent conservatory or professional experience. This program is limited to the most advanced instrumentalists, vocalists, and conductors, who are in the beginning stages of professional careers as performers.

The Artist Diploma program differs from the Doctor of Musical Arts program in that it is intended for musicians who are solely interested in a career in performance whereas the DMA program is designed for students who may primarily be pursuing a career in academia. The curriculum is limited to applied lessons, ensembles, and performance related seminars in order to provide students with the maximum opportunity to refine their performance skills. The Artist Diploma recipient will be prepared to go on to participate in international competitions, audition for professional orchestras and opera companies, and embark on a performance career.

The student in the Artist Diploma program is at the beginning stages of a career in performance, as opposed to the Doctor of Musical Arts degree, which prepares the student for a career in academia. The type of focused study on performance in the Artist Diploma program prepares students for professional opportunities such as regional, national, and international competitions, auditions for opera companies, and symphony orchestras.

For more information about your program, including your graduate program handbook and learning outcomes, please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

Students applying for admission to the Artist Diploma program must apply online through the Graduate College website.

1. All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements. In addition to submitting

an application and transcripts of all college-level work to the Graduate College, prospective students must present the following credentials:

2. Prospective students must also present credentials to the School of Music. Under the Program Information section of the online application, the specific concentration must be listed. The following credentials must be presented to the School of Music:
3. Instrumental and Vocal Performance Tracks:
 1. Three to five confidential letters of recommendation.
 2. A successful on-campus performance audition.
4. Conducting Track:
 - 1.... Three to five confidential letters of recommendation.
 2. A videotape or DVD of a rehearsal and performance under the applicant's direction.
 3. An on-campus conducting audition.
5. Audition requirements and contact information vary by division.

Plan Requirements

See Subplan Requirements below.

Subplan 1: Instrumental Track

Subplan 2: Vocal Track

Subplan 3: Conducting Track

Subplan 1: Instrumental Track

Total Credits Required: 42

Course Requirements

Fall Semester 1st Year Courses - Credits: 11

- MUSE 521 - Symphony Orchestra
- MUSE 513 - Wind Orchestra
- MUSA 761 - Applied Music
- MUS 775 - Artist Diploma Performance Seminar
- MUS 798 - Recital

Spring Semester 1st Year Courses - Credits: 11

- MUSE 521 - Symphony Orchestra
- MUSE 513 - Wind Orchestra
- MUSA 761 - Applied Music
- MUS 775 - Artist Diploma Performance Seminar
- MUS 798 - Recital

Fall Semester 2nd Year Courses - Credits: 9

- MUSE 521 - Symphony Orchestra
- MUSE 513 - Wind Orchestra
- MUSA 761 - Applied Music

- MUS 775 - Artist Diploma Performance Seminar

Spring Semester 2nd Year Courses - Credits: 11

- MUSE 521 - Symphony Orchestra
- MUSE 513 - Wind Orchestra
- MUSA 761 - Applied Music
- MUS 775 - Artist Diploma Performance Seminar
- MUS 798 - Recital

Subplan 2: Vocal Track

Total Credits Required: 42

Course Requirements

Fall Semester 1st Year Courses - Credits: 11

- MUSE 590 - Special Ensemble
- MUSE 504 - Opera Workshop
- MUSA 761 - Applied Music
- MUS 775 - Artist Diploma Performance Seminar
- MUS 798 - Recital

Spring Semester 1st Year Courses - Credits: 19

- MUSE 590 - Special Ensemble
- MUSE 504 - Opera Workshop
- MUSA 761 - Applied Music
- MUS 775 - Artist Diploma Performance Seminar
- MUS 798 - Recital

Fall Semester 2nd Year Courses - Credits: 9

- MUSE 504 - Opera Workshop
- MUSE 590 - Special Ensemble
- MUSA 761 - Applied Music
- MUS 775 - Artist Diploma Performance Seminar

Spring Semester 2nd Year Courses - Credits: 11

- MUSE 504 - Opera Workshop
- MUSE 590 - Special Ensemble
- MUSA 761 - Applied Music
- MUS 775 - Artist Diploma Performance Seminar
- MUS 798 - Recital

Subplan 3: Conducting Track

Total Credits Required: 42

Course Requirements

Fall Semester 1st Year Courses - Credits: 19

- MUSA 761 - Applied Music
- MUSE 521 - Symphony Orchestra
- MUSE 513 - Wind Orchestra

- MUS 720 - Instrumental Music Reading and Conducting Workshop

- MUS 798 - Recital

Spring Semester 1st Year Courses - Credits: 11

- MUSA 761 - Applied Music
- MUSE 521 - Symphony Orchestra
- MUSE 513 - Wind Orchestra
- MUS 727G - Survey of Ensemble-Band
- MUS 798 - Recital

Fall Semester 2nd Year Courses - Credits: 16

- MUSA 761 - Applied Music
- MUSE 521 - Symphony Orchestra
- MUSE 513 - Wind Orchestra
- MUS 747F - Instrumental Music-Band

Spring Semester 2nd Year Courses - Credits: 11

- MUSE 521 - Symphony Orchestra
- MUSE 513 - Wind Orchestra
- MUSA 761 - Applied Music
- MUS 775 - Artist Diploma Performance Seminar
- MUS 798 - Recital

Certificate Requirements

1. Maintain a cumulative GPA of 3.0/4.0 or above for each semester enrolled.
2. Receive a grade of B (3.0) or above (or satisfactory, if applicable) in all courses. If less than a B (or satisfactory) is earned, the course may be repeated.

Plan Certificate Completion Requirements

1. A minimum of 42 credit hours is required to complete the Artist Diploma.

The Final Recital will be the Culminating Experience for the Artist Diploma.

Graduate Certificate in Teacher Licensure K-12 Music

Plan Description

The Graduate Certificate Program in Teacher Licensure is offered by the School of Music for students who have already completed a Master of Music degree. Like the Master of Music Graduate Licensure Program (GLP) the certificate program will be advised by the Music Education Coordinator; the majority of coursework is offered in the School of Music/College of Fine Arts. This program allows for the School of Music to meet the needs of Master of Music degree students seeking state teacher licensure requirements and provides for a stronger program than

would be available through the state Alternate Licensure Program (ALP).

The Graduate Certificate Program in Teacher Licensure offers coursework that is required for licensure by the State of Nevada not available or required for Master of Music degrees in Performance, Music Education, Composition, or Conducting. The certificate will also include coursework enabling students to complete licensure requirements without obtaining a second Master of Music degree.

For more information about your program, including your graduate program handbook and learning outcomes, please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

1. Students must have an earned Bachelor's degree with overall GPA of 2.75 or above in a Comprehensive Subject Area (Vocal/General or Instrumental).
2. Content coursework related to general music core for music majors that mirrors the music education majors must be on transcript (music theory, music history, conducting, piano, private instruction and ensembles.)
3. Passing scores in reading, writing, and mathematics on the Praxis I Pre-Professional Skills Test examination.
4. Passing scores on the Music Theory and Music History entrance examinations.
5. PassingscoresontheTeacherLicensureExaminations for Nevada School Law, Nevada Constitution and U.S. Constitution or related coursework.
6. Documentation of immunizations with UNLV Admissions and Records.
7. Field-based experiences (practicum and student teaching) require fingerprinting in compliance with the Clark County School District (CCSD) policy.

All applicants must review and follow the Graduate College Admission and Registration Requirements.

Students are accepted into a certificate program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

Total Credits Required: 43

Course Requirements

Required Courses – Credits: 39

- CIS 601 - Secondary Teacher Development Seminar
- EPY 708 - Human Learning and Development

- MUS 502 - School Music Practicum
- MUS 575 - Instrumental Methods
- MUS 576 - Choral Methods
- MUS 578 - Teaching of General Music
- MUS 581E - Elementary Supervised Student Teaching: Music
- MUS 581S - Secondary Supervised Student Teaching: Music
- MUS 640 - Foundations and Principles of Music Education
- MUS 650 - Educational Measurement in Music
- MUS 655 - Teaching Music and Exceptional Learners
Note: MUS 502 requires a \$100 lab fee, and MUS 581E and MUS 581S both require \$400 lab fees.

Conducting Course – Credits: 3

Complete one of the following courses:

- MUS 721 - Large Ensemble Conducting and Literature
- MUS 722 - Instrumental Conducting Seminar
- MUS 723 - Advanced Choral Conducting
- MUSA 760 - Secondary Applied Music for Doctoral Students

Culminating Experience – Credits: 1

- MUS 697 - Music Culminating Experience

Certificate Requirements

Completion of a minimum of 43 credit hours with a minimum GPA of 3.00.

Plan Certificate Completion Requirements

The student must submit all required forms to the Graduate College and then apply for graduation in MyUNLV by the appropriate deadline.

Master of Music

This program (Music Education, Performance, Conducting, or Composition) is accredited by: NASM. More information can be found at: unlv.edu/provost/vpaa/accreditation

Plan Description

The Master of Music degree at UNLV conforms to the following qualifying prerequisites and guidelines for study set forth by the National Association of Schools of Music:

Demonstrate baccalaureate-level capabilities in basic music competencies.
Demonstrate sufficient knowledge and skill in English to pursue advanced studies.

Mission

The mission of the Master of Music degree at UNLV is to prepare musicians and music educators for careers in performance and education.

The minimum number of credits required for the Master of Music degree varies with each major option.

For more information about your program, including your graduate program handbook and learning outcomes please visit the Degrees Directory.

Plan Admission Requirements

Applications available on the UNLV Graduate College website.

Students applying for admission to the Master of Music degree program must apply online through the Graduate College website. There are different deadlines for international students, and for students who wish to apply for assistantships, which are also found on the Graduate College website.

All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements. In addition to submitting an application and transcripts of all college-level work to the Graduate College, prospective students must present the following credentials:

An overall undergraduate GPA of at least 2.75 (or 3.00 in the last two years of undergraduate study).

An undergraduate GPA of at least 3.00 in music.

Prior to registration, all School of Music graduate students must take placement examinations in music history, theory, and aural skills/sight-singing, regardless of their area of concentration. Passing scores on these exams, or passing grades in the appropriate history or theory review courses (B or above) are required before students may enroll in graduate level history and theory courses. Credit for review courses will not be applied towards the degree.

Prospective students must also present credentials to the School of Music. Under the Program Information section of the online application, please be sure to list your specific concentration. The following credentials must be presented to the School of Music:

Performance Tracks

- Two confidential letters of recommendation from former instructors attesting to the student's ability to complete graduate work at an acceptable level.
- A 500-word essay defining career goals and explaining how graduate studies in music will advance the applicant toward these goals.
- A successful on-campus performance audition.
- All auditions must be presented by April 15 for fall semester admission and by October 15 for spring

semester admission. Audition length, requirements, and contact information vary by area. Please consult the area coordinator for further information.

Theory/Composition Tracks

- Two confidential letters of recommendation from former instructors attesting to the student's ability to complete graduate work at an acceptable level.
- A 500-word essay defining career goals and explaining how graduate studies in music will advance the applicant toward these goals.
- A portfolio of compositions including at least one work from three of the following categories: a) orchestra, band or chorus; b) solo instrument and piano or for solo piano; c) string quartet, brass quintet, woodwind quintet, or other small ensemble; d) set of songs for solo voice and piano; e) original composition scored for jazz ensemble. Additional works may be included.
- All auditions must be presented by April 15 for fall semester admission and by October 15 for spring semester admission. Audition length, requirements, and contact information vary by area. Please consult the area coordinator for further information.

Music Education Tracks

- An undergraduate degree in Music Education or the equivalent is required for admission to the program.
- Passing PPST I scores for Nevada found at www.ets.org.
- Two confidential letters of recommendation from former instructors attesting to the student's ability to complete graduate work at an acceptable level.
- A 500-word essay on the applicant's philosophy of music education.
- An undergraduate degree in Music Education or the equivalent is required for admission to the program.
- Provide portfolio evidence of two years of successful music teaching experience in the public school. This evidence may include, but is not limited to:
 - A current resume
 - A copy of your teaching credential
 - Representative lesson plans for two classes
 - Audio and/or video of your students' learning or performing.
 - Programs and other materials demonstrating programs you have given in the past two years
- All auditions must be presented by April 15 for fall semester admission and by October 15 for spring semester admission. Audition length, requirements, and contact information vary by area. Please consult the area coordinator for further information.

Conducting Tracks

- Two confidential letters of recommendation from former instructors attesting to the student's ability to complete graduate work at an acceptable level.
- A 500-word essay defining career goals and explaining how graduate studies in music will advance the applicant toward these goals.
- A videotape or DVD of a rehearsal and performance under the applicant's direction.
- An on-campus conducting audition.
- All auditions must be presented by April 15 for fall semester admission and by October 15 for spring semester admission. Audition length, requirements, and contact information vary by area. Please consult the area coordinator for further information.

Graduate Licensure Tracks

The Music Graduate Licensure Program is a graduate program offered by the School of Music leading to an elementary or secondary teaching license and a Master of Music (M.M.).

Students are not admitted during the summer; however, potential candidates may enroll in select courses, as non-admitted graduate students, while awaiting admission to the program. Students should apply for admission to the Graduate College. Once accepted to the Graduate Licensure Program, students should complete the course requirement worksheets they receive and contact their advisors to schedule initial appointments.

- Students must have an earned Bachelor's degree with overall GPA of 2.75 or above in the Comprehensive Subject Area (Vocal/General or Instrumental).
- Content coursework related to general music core for music majors that mirrors the music education majors must be on transcript (music theory, music history, conducting, piano, private instruction and ensembles.)
- Passing scores in reading, writing, and mathematics on the Praxis I Pre-Professional Skills Test examination.
- Passing scores on the Music Theory and Music History entrance examinations.
- Passing scores on the Teacher Licensure Examinations for Nevada School Law, Nevada Constitution, and U.S. Constitution or related coursework.
- Documentation of immunizations with UNLV Admissions and Records.
- Field-based experiences (practicum and student teaching) require fingerprinting in compliance with the Clark County School District (CCSD) policy.

Music History Placement Examination

The examination is an assessment of accumulated

knowledge. Students may wish to prepare, however, by reviewing the facts and concepts in J. Peter Burkholder, Donald J. Grout, and Claude V. Palisca, *A History of Western Music*, 7th edition (New York: W.W. Norton, 2006), the volumes of the Prentice Hall History of Music series, or similar texts. Students who show deficiencies in music history will be required to register for MUS 603 - Graduate Music History Review

The examination is given prior to the first day of instruction for the Fall semester. The exact date, time, and location may be found on the School of Music website.

Students must take the exam at the designated time; no make-up examinations will be given. Students who fail to take the exam at the scheduled time must complete MUS 603 before enrolling in any other music history course. This course is offered in the Fall semesters only.

For more specific details concerning the placement exam, please consult the Music History Handbook, available on the School of Music website or contact Dr. Anthony Barone (702) 895-5953, (anthony.barone@unlv.edu).

Graduate Music Theory and Aural Skills/Sight-singing Placement Examination
A sample graduate theory placement exam may be found on the School of Music website

The Graduate Aural Skills/Sight-singing Placement Examination consists of:

- Two-voice dictation
- Three-voice dictation
- Harmonic dictation
- Two-part rhythmic dictation
- Sight-singing of a melody in any of the modern clefs (treble, alto, tenor, bass). A single melody may contain clef changes.

Students who show deficiencies in music theory and/or aural skills/sight-singing will be required to register for MUS 604 - Graduate Theory Review and/or MUS 602 - Graduate Ear Training Review.

The Graduate Music Theory and Aural Skills/Sight-singing Placement Examination is given prior to the first day of instruction for the Fall semester and the Spring semester. The exact date, time, and location may be found on the School of Music website.

Students must take the exam at the designated time; no make-up examinations will be given. Students who fail to take the exams at the scheduled time must complete MUS 604 and MUS 602 before enrolling in any other music theory course.

For more specific details concerning the placement exam,

please contact the School of Music Office or the Graduate Coordinator (702) 895-3332.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

See Subplan Requirements below.

- Subplan 1: Instrumental Performance
- Subplan 2: Vocal Performance
- Subplan 3: Collaborative Piano
- Subplan 4: Multiple Woodwind
- Subplan 5: Jazz and Commercial Music Performance
- Subplan 6: Composition
- Subplan 7: Jazz & Commercial Music Composition
- Subplan 8: Choral Conducting
- Subplan 9: Orchestral Conducting
- Subplan 10: Wind Band Conducting
- Subplan 11: Music Education
- Subplan 12: Music Education – Orff Schulwerk
- Subplan 13: Graduate Licensure: K-12 Music

Subplan 1 Requirements: Instrumental Performance

Total Credits Required: 33

Course Requirements

Required Course – Credits: 3

MUS 690 - Bibliography

Music History Courses – Credits: 6

Complete 6 credits from following list of courses:

- MUS 529 - Interpretation: German Lied
- MUS 530 - French Melodie
- MUS 770A - Graduate History Seminar
- MUS 770B - Beethoven
- MUS 770C - Fin de Siecle
- MUS 770D - Music of Wagner
- MUS 770E - Music of Bach
- MUS 770F - Music of Stravinsky
- MUS 770G - History of Russian Music
- MUS 770 - Seminar: Special Topics
- MUS 785 - The Symphony
- MUS 786A - The Operas of Mozart
- MUS 786B - The Operas of Verdi
- MUS 786C - Puccini and the Verismo
- MUS 786D - American Opera Seminar
- MUS 789 - The Art Song
- MUS 792 - History of Opera

- MUS 793 - Medieval and Renaissance Music
- MUS 794 - Music of the Baroque Period
- MUS 795 - Classical and Early Nineteenth-Century Music
- MUS 796 - Music of the Romantic Period
- MUS 797 - Music of the Twentieth Century
- Music Theory Course – Credits: 3

Complete 3 credits from following list of courses:

- MUS 501 - Counterpoint
- MUS 705 - Techniques of the Romantic Period
- MUS 706 - Twentieth-Century Techniques
- MUS 707 - Analysis in Relation to Performance
- MUS 708 - Aspects of Musical Style
- MUS 774 - Seminar in Music Theory
- MUS 770 - Techniques of the Classical Era
- MUS 770 - Techniques of the Baroque Era

Pedagogy and Literature Course – Credits: 3

Complete one of the following advisor-approved courses:

- MUS 728 - Percussion Literature and Pedagogy
- MUS 746 - Master Class in Vocal Pedagogy
- MUS 747 - Instrumental Music Pedagogy
- MUS 748 - Music Wellness: A Survival Guide for Teachers and Performers

Applied Music Courses – Credits: 8

Ensemble Course – Credits: 5

Complete 5 credits of advisor-approved ensemble coursework.

Recital Course – Credits: 2

MUS 698 - Recital-Master's Level

Elective Course – Credits: 3

Complete 3 credits of advisor-approved elective coursework.

Degree Requirements

- Successful completion of a minimum of 33 credits.
- No more than eight hours of 500-level course work may be applied to the candidate's degree program.
- All graduate students in music must maintain a minimum cumulative grade point average (GPA) of 3.00 in all degree-required courses. Only courses for which the student earns a final grade of "A", "A-", "B+", "B", or "S" may be applied to the graduate degree. A graduate student whose cumulative GPA falls below 3.0 (B) in a given term will be placed on probation for the following term. If a 3.0 cumulative GPA is not attained by the end of the probationary term, the student will either be granted a final opportunity

to raise her/his GPA or may be dismissed from the program.

- Successful completion of MUS 690 - Bibliography, with a minimum grade of B, is a pre-requisite for all graduate-level music history classes.
- Students must participate in one major ensemble and one chamber ensemble.
- The School of Music reviews the academic performance of graduate students at the end of each academic year and reviews the academic performance of graduate students on assistantships at the end of each semester.
- If the school determines that a student is not making satisfactory progress towards the degree, it will request that the Graduate Dean separate the student from the department or place the student on probation. A student whose cumulative GPA falls below 3.0 for three successive semesters will be automatically dismissed from the program.
- All candidates for the Master of Music degree in Applied Music are required to take written and oral comprehensive examinations.
- The Master of Music comprehensive examinations consist of a written examination, and an oral examination.
- The comprehensive exams are taken during the term in which the student intends to graduate.

For more specific information, please consult your advisor or the School of Music Graduate Handbook.

Graduation Requirements

See Plan Graduation Requirements below.

Subplan 2 Requirements: Vocal Performance

Total Credits Required: 33

Course Requirements

Required Course – Credits: 3

MUS 690 - Bibliography

Music History Courses – Credits: 6

Complete 6 credits from the following list of courses:

- MUS 529 - Interpretation: German Lied
- MUS 530 - French Melodie
- MUS 770A - Graduate History Seminar
- MUS 770B - Beethoven
- MUS 770C - Fin de Siecle
- MUS 770D - Music of Wagner
- MUS 770E - Music of Bach
- MUS 770F - Music of Stravinsky
- MUS 770G - History of Russian Music

- MUS 785 - The Symphony
- MUS 786A - The Operas of Mozart
- MUS 786B - The Operas of Verdi
- MUS 786C - Puccini and the Verismo
- MUS 786D - American Opera Seminar
- MUS 789 - The Art Song
- MUS 792 - History of Opera
- MUS 793 - Medieval and Renaissance Music
- MUS 794 - Music of the Baroque Period
- MUS 795 - Classical and Early Nineteenth-Century Music
- MUS 796 - Music of the Romantic Period
- MUS 797 - Music of the Twentieth Century

Music Theory Courses – Credits: 3

Complete 3 credits from the following list of courses:

- MUS 501 - Counterpoint
- MUS 705 - Techniques of the Romantic Period
- MUS 706 - Twentieth-Century Techniques
- MUS 707 - Analysis in Relation to Performance
- MUS 708 - Aspects of Musical Style
- MUS 770 - Techniques of the Classical Era
- MUS 770 - Techniques of the Baroque Era
- MUS 774 - Seminar in Music Theory

Pedagogy and Literature Courses – Credits: 3

Complete one of the following advisor-approved courses:

- MUS 728 - Percussion Literature and Pedagogy
- MUS 746 - Master Class in Vocal Pedagogy
- MUS 747 - Instrumental Music Pedagogy
- MUS 748 - Music Wellness: A Survival Guide for Teachers and Performers

Diction Course – Credits: 3

- MUS 717 - Master Class in Singer's Diction

Applied Music Courses – Credits: 8

Ensemble Courses – Credits: 2

Complete 2 credits of advisor-approved ensemble coursework.

Recital Course – Credits: 2

MUS 698 - Recital-Master's Level

Elective Course – Credits: 3

Complete 3 credits of advisor-approved elective coursework.

Degree Requirements

- Successful completion of a minimum of 33 credits.
- No more than eight hours of 500-level course work may be applied to the candidate's degree program.
- All graduate students in music must maintain a minimum cumulative grade point average (GPA) of 3.00 in all degree-required courses. Only courses for which the student earns a final grade of "A", "A-", "B+", "B", or "S" may be applied to the graduate degree. A graduate student whose cumulative GPA falls below 3.0 (B) in a given term will be placed on probation for the following term. If a 3.0 cumulative GPA is not attained by the end of the probationary term, the student will either be granted a final opportunity to raise her/his GPA or may be dismissed from the program.
- Successful completion of MUS 690 - Bibliography, with a minimum grade of B, is a pre-requisite for all graduate-level music history classes.
- Students must participate in one major ensemble and one chamber ensemble.
- The School of Music reviews the academic performance of graduate students at the end of each academic year and reviews the academic performance of graduate students on assistantships at the end of each semester.
- If the school determines that a student is not making satisfactory progress towards the degree, it will request that the Graduate Dean separate the student from the department or place the student on probation. A student whose cumulative GPA falls below 3.0 for three successive semesters will be automatically dismissed from the program.
- All candidates for the Master of Music degree in Applied Music are required to take written and oral comprehensive examinations.
- The Master of Music comprehensive examinations consist of a written examination, and an oral examination.

The comprehensive exams are taken during the term in which the student intends to graduate.

For more specific information, please consult your advisor or the School of Music Graduate Handbook.

Graduation Requirements

See Plan Graduation Requirements below.

Subplan 3 Requirements: Collaborative Piano

Total Credits Required: 30

Course Requirements

- Required Course – Credits: 3
- MUS 690 - Bibliography

Music History Courses – Credits: 6

Complete 6 credits from following list of courses:

- MUS 529 - Interpretation: German Lied
- MUS 530 - French Melodie
- MUS 770A - Graduate History Seminar
- MUS 770B - Beethoven
- MUS 770C - Fin de Siecle
- MUS 770D - Music of Wagner
- MUS 770E - Music of Bach
- MUS 770F - Music of Stravinsky
- MUS 770G - History of Russian Music
- MUS 785 - The Symphony
- MUS 786A - The Operas of Mozart
- MUS 786B - The Operas of Verdi
- MUS 786C - Puccini and the Verismo
- MUS 786D - American Opera Seminar
- MUS 789 - The Art Song
- MUS 792 - History of Opera
- MUS 793 - Medieval and Renaissance Music
- MUS 794 - Music of the Baroque Period
- MUS 795 - Classical and Early Nineteenth-Century Music
- MUS 796 - Music of the Romantic Period
- MUS 797 - Music of the Twentieth Century

Music Theory Course – Credits: 3

Complete 3 credits from following list of courses:

- MUS 501 - Counterpoint
- MUS 705 - Techniques of the Romantic Period
- MUS 706 - Twentieth-Century Techniques
- MUS 707 - Analysis in Relation to Performance
- MUS 708 - Aspects of Musical Style
- MUS 774 - Seminar in Music Theory
- MUS 770 - Techniques of the Classical Era
- MUS 770 - Techniques of the Baroque Era

Pedagogy and Literature Course – Credits: 3

Complete one of the following advisor-approved courses:

- MUS 728 - Percussion Literature and Pedagogy
- MUS 746 - Master Class in Vocal Pedagogy
- MUS 747 - Instrumental Music Pedagogy
- MUS 748 - Music Wellness: A Survival Guide for Teachers and Performers

Applied Music Courses – Credits: 8

Ensemble Course – Credits: 2

Complete 2 credits of advisor-approved ensemble coursework.

Accompanying Courses – Credits: 2

- MUSE 572 - Accompanying

Elective Course – Credits: 3

Complete 3 credits of advisor-approved elective coursework.

Degree Requirements

- Successful completion of a minimum of 30 credits.
- No more than eight hours of 500-level course work may be applied to the candidate's degree program.
- All graduate students in music must maintain a minimum cumulative grade point average (GPA) of 3.00 in all degree-required courses. Only courses for which the student earns a final grade of "A", "A-", "B+", "B", or "S" may be applied to the graduate degree. A graduate student whose cumulative GPA falls below 3.0 (B) in a given term will be placed on probation for the following term. If a 3.0 cumulative GPA is not attained by the end of the probationary term, the student will either be granted a final opportunity to raise her/his GPA or may be dismissed from the program.
- Successful completion of MUS 690 - Bibliography, with a minimum grade of B, is a pre-requisite for all graduate-level music history classes.
- Students must participate in one major ensemble and one chamber ensemble.
- MUSA 661 includes two recitals, one with vocalists, and one with instrumentalists.
- The School of Music reviews the academic performance of graduate students at the end of each academic year and reviews the academic performance of graduate students on assistantships at the end of each semester.
- If the school determines that a student is not making satisfactory progress towards the degree, it will request that the Graduate Dean separate the student from the department or place the student on probation. A student whose cumulative GPA falls below 3.0 for three successive semesters will be automatically dismissed from the program.
- All candidates are required to take written and oral comprehensive examinations.
- The Master of Music comprehensive examinations consist of a written examination, and an oral examination.
- The comprehensive exams are taken during the term in which the student intends to graduate.

For more specific information, please consult your advisor or the School of Music Graduate Handbook.

Graduation Requirements

See Plan Graduation Requirements below.

Subplan 4 Requirements: Multiple Woodwind

Total Credits Required: 38

Course Requirements

Required Course – Credits: 3

- MUS 690 - Bibliography

Music History Courses – Credits: 3

Complete 3 credits from following list of courses:

- MUS 529 - Interpretation: German Lied
- MUS 530 - French Melodie
- MUS 770A - Graduate History Seminar
- MUS 770B - Beethoven
- MUS 770C - Fin de Siecle
- MUS 770D - Music of Wagner
- MUS 770E - Music of Bach
- MUS 770F - Music of Stravinsky
- MUS 770G - History of Russian Music
- MUS 785 - The Symphony
- MUS 786A - The Operas of Mozart
- MUS 786B - The Operas of Verdi
- MUS 786C - Puccini and the Verismo
- MUS 786D - American Opera Seminar
- MUS 789 - The Art Song
- MUS 792 - History of Opera
- MUS 793 - Medieval and Renaissance Music
- MUS 794 - Music of the Baroque Period
- MUS 795 - Classical and Early Nineteenth-Century Music
- MUS 796 - Music of the Romantic Period
- MUS 797 - Music of the Twentieth Century

Music Theory Course – Credits: 3

Complete 3 credits from following list of courses:

- MUS 501 - Counterpoint
- MUS 705 - Techniques of the Romantic Period
- MUS 706 - Twentieth-Century Techniques
- MUS 707 - Analysis in Relation to Performance
- MUS 708 - Aspects of Musical Style
- MUS 774 - Seminar in Music Theory
- MUS 770 - Techniques of the Classical Era

- MUS 770 - Techniques of the Baroque Era

Pedagogy and Literature Course – Credits: 6

Complete one of the following advisor-approved courses:

- MUS 728 - Percussion Literature and Pedagogy
- MUS 746 - Master Class in Vocal Pedagogy
- MUS 747 - Instrumental Music Pedagogy
- MUS 748 - Music Wellness: A Survival Guide for Teachers and Performers

Applied Music Courses – Credits: 8

Secondary Applied Music Courses – Credits: 8

Ensemble Course – Credits: 2

Complete 2 credits of advisor-approved ensemble coursework.

Recital Course – Credits: 2

MUS 698 - Recital-Master's Level

Elective Course – Credits: 3

Complete 3 credits of advisor-approved elective coursework.

Degree Requirements

- Successful completion of a minimum of 38 credits.
- No more than eight hours of 500-level course work may be applied to the candidate's degree program.
- All graduate students in music must maintain a minimum cumulative grade point average (GPA) of 3.00 in all degree-required courses. Only courses for which the student earns a final grade of "A", "A-", "B+", "B", or "S" may be applied to the graduate degree. A graduate student whose cumulative GPA falls below 3.0 (B) in a given term will be placed on probation for the following term. If a 3.0 cumulative GPA is not attained by the end of the probationary term, the student will either be granted a final opportunity to raise her/his GPA or may be dismissed from the program.
- Successful completion of MUS 690 - Bibliography, with a minimum grade of B, is a pre-requisite for all graduate-level music history classes.
- Students must participate in one major ensemble and one chamber ensemble.
- Secondary Instruments are to be selected based on the entrance audition in consultation with the advisor. Requirements for each secondary instrument may be satisfied by examination at the discretion of the department. Equivalent credits (4) shall be taken on another woodwind instrument or as an elective.
- The School of Music reviews the academic performance of graduate students at the end of each academic year and reviews the academic performance of graduate students on assistantships

at the end of each semester.

- If the school determines that a student is not making satisfactory progress towards the degree, it will request that the Graduate Dean separate the student from the department or place the student on probation. A student whose cumulative GPA falls below 3.0 for three successive semesters will be automatically dismissed from the program.
- All candidates are required to take written and oral comprehensive examinations.
- The Master of Music comprehensive examinations consist of a written examination, and an oral examination.
- The comprehensive exams are taken during the term in which the student intends to graduate.

For more specific information, please consult your advisor or the School of Music Graduate Handbook.

Graduation Requirements

See Plan Graduation Requirements below.

Subplan 5 Requirements: Jazz and Commercial Music Performance

Total Credits Required: 33

Course Requirements

Required Course – Credits: 3

- MUS 690 - Bibliography

Jazz History Course – Credits: 3

- MUS 783 - Jazz History Seminar

Jazz Theory Course – Credits: 3

- MUS 609 - Jazz Theory and Composition

Jazz Pedagogy Course – Credits: 3

- MUS 613 - Jazz Pedagogy

Jazz Keyboard Course – Credits: 3

- MUS 611 - Jazz Keyboard and Arranging

Applied Lessons Courses – Credits: 8

Ensembles Courses – Credits: 5

Complete 5 credits of advisor-approved ensemble coursework.

Recital Course – Credits: 2

- MUS 698 - Recital-Master's Level

Music History Elective Course – Credits: 3

Complete 3 credits from following list of courses:

- MUS 529 - Interpretation: German Lied
- MUS 530 - French Melodie
- MUS 770A - Graduate History Seminar
- MUS 770B - Beethoven
- MUS 770C - Fin de Siecle

- MUS 770D - Music of Wagner
- MUS 770E - Music of Bach
- MUS 770F - Music of Stravinsky
- MUS 770G - History of Russian Music
- MUS 785 - The Symphony
- MUS 786A - The Operas of Mozart
- MUS 786B - The Operas of Verdi
- MUS 786C - Puccini and the Verismo
- MUS 786D - American Opera Seminar
- MUS 789 - The Art Song
- MUS 792 - History of Opera
- MUS 793 - Medieval and Renaissance Music
- MUS 794 - Music of the Baroque Period
- MUS 795 - Classical and Early Nineteenth-Century Music
- MUS 796 - Music of the Romantic Period
- MUS 797 - Music of the Twentieth Century

Degree Requirements

- Successful completion of a minimum of 33 credits.
- No more than eight hours of 500-level course work may be applied to the candidate's degree program.
- All graduate students in music must maintain a minimum cumulative grade point average (GPA) of 3.00 in all degree-required courses. Only courses for which the student earns a final grade of "A", "A-", "B+", "B", or "S" may be applied to the graduate degree. A graduate student whose cumulative GPA falls below 3.0 (B) in a given term will be placed on probation for the following term. If a 3.0 cumulative GPA is not attained by the end of the probationary term, the student will either be granted a final opportunity to raise her/his GPA or may be dismissed from the program.
- Successful completion of MUS 690 - Bibliography, with a minimum grade of B, is a pre-requisite for all graduate-level music history classes.
- Students must participate in one major ensemble and one chamber ensemble.
- The School of Music reviews the academic performance of graduate students at the end of each academic year and reviews the academic performance of graduate students on assistantships at the end of each semester.
- If the school determines that a student is not making satisfactory progress towards the degree, it will request that the Graduate Dean separate the student from the department or place the student on probation.

A student whose cumulative GPA falls below 3.0 for three successive semesters will be automatically dismissed from the program.

- All candidates are required to take written and oral comprehensive examinations.
- The Master of Music comprehensive examinations consist of a written examination, and an oral examination.
- The comprehensive exams are taken during the term in which the student intends to graduate.

For more specific information, please consult your advisor or the School of Music Graduate Handbook.

Graduation Requirements

See Plan Graduation Requirements below.

Subplan 6 Requirements: Composition

Total Credits Required: 33

Course Requirements

Required Course – Credits: 3
MUS 690 - Bibliography

Music History Courses – Credits: 6

Complete 6 credits from following list of courses:

- MUS 529 - Interpretation: German Lied
- MUS 530 - French Melodie
- MUS 770A - Graduate History Seminar
- MUS 770B - Beethoven
- MUS 770C - Fin de Siecle
- MUS 770D - Music of Wagner
- MUS 770E - Music of Bach
- MUS 770F - Music of Stravinsky
- MUS 770G - History of Russian Music
- MUS 785 - The Symphony
- MUS 786A - The Operas of Mozart
- MUS 786B - The Operas of Verdi
- MUS 786C - Puccini and the Verismo
- MUS 786D - American Opera Seminar
- MUS 789 - The Art Song
- MUS 792 - History of Opera
- MUS 793 - Medieval and Renaissance Music
- MUS 794 - Music of the Baroque Period
- MUS 795 - Classical and Early Nineteenth-Century Music
- MUS 796 - Music of the Romantic Period
- MUS 797 - Music of the Twentieth Century

Music Theory Courses – Credits: 6

Complete 6 credits from following list of courses:

- MUS 501 - Counterpoint
- MUS 705 - Techniques of the Romantic Period
- MUS 706 - Twentieth-Century Techniques
- MUS 707 - Analysis in Relation to Performance
- MUS 708 - Aspects of Musical Style
- MUS 770 - Techniques of the Classical Era
- MUS 770 - Techniques of the Baroque Era
- MUS 774 - Seminar in Music Theory

Applied Music Courses – Credits: 4

Composition Courses – Credits: 8

MUSA 661W - Applied Music for Master's Students

Ensemble Course – Credits: 1

Complete 1 credit of advisor-approved ensemble coursework.

Recital Course – Credits: 2

MUS 698 - Recital-Master's Level

Elective Course – Credits: 3

Complete 3 credits of advisor-approved elective coursework.

Degree Requirements

- Successful completion of a minimum of 33 credits.
- No more than eight hours of 500-level course work may be applied to the candidate's degree program.
- All graduate students in music must maintain a minimum cumulative grade point average (GPA) of 3.00 in all degree-required courses. Only courses for which the student earns a final grade of "A", "A-", "B+", "B", or "S" may be applied to the graduate degree. A graduate student whose cumulative GPA falls below 3.0 (B) in a given term will be placed on probation for the following term. If a 3.0 cumulative GPA is not attained by the end of the probationary term, the student will either be granted a final opportunity to raise her/his GPA or may be dismissed from the program.
- Successful completion of MUS 690 - Bibliography, with a minimum grade of B, is a pre-requisite for all graduate-level music history classes.
- The School of Music reviews the academic performance of graduate students at the end of each academic year and reviews the academic performance of graduate students on assistantships at the end of each semester.
- If the school determines that a student is not making satisfactory progress towards the degree, it will request that the Graduate Dean separate the student

from the department or place the student on probation. A student whose cumulative GPA falls below 3.0 for three successive semesters will be automatically dismissed from the program.

- All candidates for the Master of Music degree in Theory/Composition are required to take oral comprehensive examinations.
- The Master of Music comprehensive examinations consist of an oral examination.
- The comprehensive exams are taken during the term in which the student intends to graduate.

For more specific information, please consult your advisor or the School of Music Graduate Handbook.

Having passed the theory placement test before the beginning of the first semester or having passed the music theory review courses (MUS 602, MUS 604) before being able to take any graduate-level theory classes.

Graduation Requirements

See Plan Graduation Requirements below.

Subplan 7 Requirements: Jazz & Commercial Music Composition

Total Credits Required: 33

Course Requirements

Required Course – Credits: 3

MUS 690 - Bibliography

Jazz History Course – Credits: 3

MUS 603 - Graduate Music History Review

Jazz Theory Course – Credits: 3

MUS 609 - Jazz Theory and Composition

Jazz Pedagogy Course – Credits: 3

MUS 613 - Jazz Pedagogy

Jazz Keyboard Course – Credits: 3

MUS 611 - Jazz Keyboard and Arranging

Applied Lessons Courses – Credits: 4

MUSA 661V - Applied Music for Master's Students

Applied Music Course – Credits: 8

Complete 8 credits of the following course.

MUSA 661V - Applied Music for Master's Students:

Private Theory: Jazz

Recital Course – Credits: 2

MUS 698 - Recital-Master's Level

Ensemble Course – Credits: 1

Complete 1 credit of advisor-approved ensemble coursework.

Elective Course – Credits: 3

Complete 3 credits of music history electives from the following list of courses:

- MUS 529 - Interpretation: German Lied
- MUS 530 - French Melodie
- MUS 770A - Graduate History Seminar
- MUS 770B - Beethoven
- MUS 770C - Fin de Siecle
- MUS 770D - Music of Wagner
- MUS 770E - Music of Bach
- MUS 770F - Music of Stravinsky
- MUS 770G - History of Russian Music
- MUS 785 - The Symphony
- MUS 786A - The Operas of Mozart
- MUS 786B - The Operas of Verdi
- MUS 786C - Puccini and the Verismo
- MUS 786D - American Opera Seminar
- MUS 789 - The Art Song
- MUS 792 - History of Opera
- MUS 793 - Medieval and Renaissance Music
- MUS 794 - Music of the Baroque Period
- MUS 795 - Classical and Early Nineteenth-Century Music
- MUS 796 - Music of the Romantic Period
- MUS 797 - Music of the Twentieth Century

Degree Requirements

Successful completion of a minimum of 33 credit hours.

No more than eight hours of 500-level course work may be applied to the candidate's degree program.

All graduate students in music must maintain a minimum cumulative grade point average (GPA) of 3.00 in all degree-required courses. Only courses for which the student earns a final grade of "A", "A-", "B+", "B", or "S" may be applied to the graduate degree. A graduate student whose cumulative GPA falls below 3.0 (B) in a given term will be placed on probation for the following term. If a 3.0 cumulative GPA is not attained by the end of the probationary term, the student will either be granted a final opportunity to raise her/his GPA or may be dismissed from the program.

Successful completion of MUS 690 - Bibliography, with a minimum grade of B, is a pre-requisite for all graduate-level music history classes.

The School of Music reviews the academic performance of graduate students at the end of each academic year and reviews the academic performance of graduate students on assistantships at the end of each semester.

If the school determines that a student is not making

satisfactory progress towards the degree, it will request that the Graduate Dean separate the student from the department or place the student on probation. A student whose cumulative GPA falls below 3.0 for three successive semesters will be automatically dismissed from the program.

All candidates for the Master of Music degree in Theory/Composition are required to take written and oral comprehensive examinations.

The Master of Music comprehensive examinations consist of a written examination, and an oral examination.

The comprehensive exams are taken during the term in which the student intends to graduate.

For more specific information, please consult your advisor or the School of Music Graduate Handbook.

Graduation Requirements

See Plan Graduation Requirements below.

Subplan 8 Requirements: Choral Conducting

Total Credits Required: 33

Course Requirements

Required Course – Credits: 9

- MUS 690 - Bibliography
- MUS 721 - Large Ensemble Conducting and Literature
- MUS 723 - Advanced Choral Conducting

Music History Course – Credits: 6

Complete 6 credits from following list of courses:

- MUS 529 - Interpretation: German Lied
- MUS 530 - French Melodie
- MUS 770A - Graduate History Seminar
- MUS 770B - Beethoven
- MUS 770C - Fin de Siecle
- MUS 770D - Music of Wagner
- MUS 770E - Music of Bach
- MUS 770F - Music of Stravinsky
- MUS 770G - History of Russian Music
- MUS 785 - The Symphony
- MUS 786A - The Operas of Mozart
- MUS 786B - The Operas of Verdi
- MUS 786C - Puccini and the Verismo
- MUS 786D - American Opera Seminar
- MUS 789 - The Art Song
- MUS 792 - History of Opera
- MUS 793 - Medieval and Renaissance Music
- MUS 794 - Music of the Baroque Period
- MUS 795 - Classical and Early Nineteenth-Century

Music

- MUS 796 - Music of the Romantic Period
- MUS 797 - Music of the Twentieth Century

Music Theory Course – Credits: 3

Complete 3 credits from following list of courses:

- MUS 501 - Counterpoint
- MUS 705 - Techniques of the Romantic Period
- MUS 706 - Twentieth-Century Techniques
- MUS 707 - Analysis in Relation to Performance
- MUS 708 - Aspects of Musical Style
- MUS 774 - Seminar in Music Theory
- MUS 770 - Techniques of the Classical Era

MUS 770 - Techniques of the Baroque Era

Conducting Courses – Credits: 8

MUSA 766 - Private Graduate Conducting

Recital Course – Credits: 2

MUS 698 - Recital-Master's Level

Ensembles Course – Credits: 2

Complete 2 credits of advisor-approved ensemble coursework.

Elective Course – Credits: 3

Complete 3 credits of advisor-approved elective coursework.

Degree Requirements

- Successful completion of a minimum of 33 credits.
- No more than eight hours of 500-level course work may be applied to the candidate's degree program.
- All graduate students in music must maintain a minimum cumulative grade point average (GPA) of 3.00 in all degree-required courses. Only courses for which the student earns a final grade of "A", "A-", "B+", "B", or "S" may be applied to the graduate degree. A graduate student whose cumulative GPA falls below 3.0 (B) in a given term will be placed on probation for the following term. If a 3.0 cumulative GPA is not attained by the end of the probationary term, the student will either be granted a final opportunity to raise her/his GPA or may be dismissed from the program.
- Successful completion of MUS 690 - Bibliography, with a minimum grade of B, is a pre-requisite for all graduate-level music history classes.
- The maximum number of workshop credits is three.
- The School of Music reviews the academic performance of graduate students at the end of each academic year and reviews the academic

performance of graduate students on assistantships at the end of each semester.

- If the school determines that a student is not making satisfactory progress towards the degree, it will request that the Graduate Dean separate the student from the department or place the student on probation. A student whose cumulative GPA falls below 3.0 for three successive semesters will be automatically dismissed from the program.
- All candidates for the Master of Music degree in Conducting are required to take written and oral comprehensive examinations.
- The Master of Music comprehensive examinations consist of a written examination, and an oral examination.
- The comprehensive exams are taken during the term in which the student intends to graduate.

For more specific information, please consult your advisor or the School of Music Graduate Handbook.

Graduation Requirements

See Plan Graduation Requirements below.

Subplan 9 Requirements: Orchestral Conducting

Total Credits Required: 33

Course Requirements

Required Course – Credits: 9

- MUS 690 - Bibliography
- MUS 721 - Large Ensemble Conducting and Literature
- MUS 722 - Instrumental Conducting Seminar

Music History Course – Credits: 6

Complete 6 credits from following list of courses:

- MUS 529 - Interpretation: German Lied
- MUS 530 - French Melodie
- MUS 770A - Graduate History Seminar
- MUS 770B - Beethoven
- MUS 770C - Fin de Siecle
- MUS 770D - Music of Wagner
- MUS 770E - Music of Bach
- MUS 770F - Music of Stravinsky
- MUS 770G - History of Russian Music
- MUS 785 - The Symphony
- MUS 786A - The Operas of Mozart
- MUS 786B - The Operas of Verdi
- MUS 786C - Puccini and the Verismo
- MUS 786D - American Opera Seminar
- MUS 789 - The Art Song

- MUS 792 - History of Opera
- MUS 793 - Medieval and Renaissance Music
- MUS 794 - Music of the Baroque Period
- MUS 795 - Classical and Early Nineteenth-Century Music
- MUS 796 - Music of the Romantic Period
- MUS 797 - Music of the Twentieth Century

Music Theory Course – Credits: 3

Complete 3 credits from following list of courses:

- MUS 501 - Counterpoint
- MUS 705 - Techniques of the Romantic Period
- MUS 706 - Twentieth-Century Techniques
- MUS 707 - Analysis in Relation to Performance
- MUS 708 - Aspects of Musical Style
- MUS 774 - Seminar in Music Theory
- MUS 770 - Techniques of the Classical Era
- MUS 770 - Techniques of the Baroque Era

Conducting Courses – Credits: 8

Recital Course – Credits: 2

MUS 698 - Recital-Master's Level

Ensembles Course – Credits: 2

MUSE 521 - Symphony Orchestra

MUSE 522 - Chamber Orchestra

Elective Course – Credits: 3

Complete 3 credits of advisor-approved elective coursework.

Degree Requirements

- Successful completion of a minimum of 33 credits.
- No more than eight hours of 500-level course work may be applied to the candidate's degree program.
- All graduate students in music must maintain a minimum cumulative grade point average (GPA) of 3.00 in all degree-required courses. Only courses for which the student earns a final grade of "A", "A-", "B+", "B", or "S" may be applied to the graduate degree. A graduate student whose cumulative GPA falls below 3.0 (B) in a given term will be placed on probation for the following term. If a 3.0 cumulative GPA is not attained by the end of the probationary term, the student will either be granted a final opportunity to raise her/his GPA or may be dismissed from the program.
- Successful completion of MUS 690 - Bibliography, with a minimum grade of B, is a pre-requisite for all graduate-level music history classes.
- The School of Music reviews the academic performance of graduate students at the end of

each academic year and reviews the academic performance of graduate students on assistantships at the end of each semester.

- If the school determines that a student is not making satisfactory progress towards the degree, it will request that the Graduate Dean separate the student from the department or place the student on probation. A student whose cumulative GPA falls below 3.0 for three successive semesters will be automatically dismissed from the program.
- All candidates for the Master of Music degree in Conducting are required to take written and oral comprehensive examinations.
- The Master of Music comprehensive examinations consist of a written examination, and an oral examination.
- The comprehensive exams are taken during the term in which the student intends to graduate.

For more specific information, please consult your advisor or the School of Music Graduate Handbook.

Graduation Requirements

See Plan Graduation Requirements below.

Subplan 10 Requirements: Wind Band Conducting

Total Credits Required: 33

Course Requirements

Required Course – Credits: 9

- MUS 690 - Bibliography
- MUS 721 - Large Ensemble Conducting and Literature
- MUS 722 - Instrumental Conducting Seminar

Music History Course – Credits: 6

Complete 6 credits from following list of courses:

- MUS 529 - Interpretation: German Lied
- MUS 530 - French Melodie
- MUS 770A - Graduate History Seminar
- MUS 770B - Beethoven
- MUS 770C - Fin de Siecle
- MUS 770D - Music of Wagner
- MUS 770E - Music of Bach
- MUS 770F - Music of Stravinsky
- MUS 770G - History of Russian Music
- MUS 785 - The Symphony
- MUS 786A - The Operas of Mozart
- MUS 786B - The Operas of Verdi
- MUS 786C - Puccini and the Verismo
- MUS 786D - American Opera Seminar

- MUS 789 - The Art Song
- MUS 792 - History of Opera
- MUS 793 - Medieval and Renaissance Music
- MUS 794 - Music of the Baroque Period
- MUS 795 - Classical and Early Nineteenth-Century Music
- MUS 796 - Music of the Romantic Period
- MUS 797 - Music of the Twentieth Century

Music Theory Course – Credits: 3

Complete 3 credits from following list of courses:

- MUS 501 - Counterpoint
- MUS 705 - Techniques of the Romantic Period
- MUS 706 - Twentieth-Century Techniques
- MUS 707 - Analysis in Relation to Performance
- MUS 708 - Aspects of Musical Style
- MUS 774 - Seminar in Music Theory
- MUS 770 - Techniques of the Classical Era
- MUS 770 - Techniques of the Baroque Era

Conducting Courses – Credits: 8

Recital Course – Credits: 2

MUS 698 - Recital-Master's Level

Ensembles Courses – Credits: 2

MUSE 513 - Wind Orchestra

Elective Course – Credits: 3

Complete 3 credits of advisor-approved elective coursework.

Degree Requirements

- Successful completion of a minimum of 33 credits.
- No more than eight hours of 500-level course work may be applied to the candidate's degree program.
- All graduate students in music must maintain a minimum cumulative grade point average (GPA) of 3.00 in all degree-required courses. Only courses for which the student earns a final grade of "A", "A-", "B+", "B", or "S" may be applied to the graduate degree. A graduate student whose cumulative GPA falls below 3.0 (B) in a given term will be placed on probation for the following term. If a 3.0 cumulative GPA is not attained by the end of the probationary term, the student will either be granted a final opportunity to raise her/his GPA or may be dismissed from the program.
- Successful completion of MUS 690 - Bibliography, with a minimum grade of B, is a pre-requisite for all graduate-level music history classes.
- The School of Music reviews the academic

performance of graduate students at the end of each academic year and reviews the academic performance of graduate students on assistantships at the end of each semester.

- If the school determines that a student is not making satisfactory progress towards the degree, it will request that the Graduate Dean separate the student from the department or place the student on probation. A student whose cumulative GPA falls below 3.0 for three successive semesters will be automatically dismissed from the program.
- All candidates for the Master of Music degree in Conducting are required to take written and oral comprehensive examinations.
- The Master of Music comprehensive examinations consist of a written examination, and an oral examination.
- The comprehensive exams are taken during the term in which the student intends to graduate.

For more specific information, please consult your advisor or the School of Music Graduate Handbook.

Graduation Requirements

See Plan Graduation Requirements below.

Subplan 11 Requirements: Music Education

Total Credits Required: 33

Course Requirements

Required Course – Credits: 3

- MUS 690 - Bibliography

Music History Course – Credits: 6

Complete 6 credits from following list of courses:

- MUS 529 - Interpretation: German Lied
- MUS 530 - French Melodie
- MUS 770A - Graduate History Seminar
- MUS 770B - Beethoven
- MUS 770C - Fin de Siecle
- MUS 770D - Music of Wagner
- MUS 770E - Music of Bach
- MUS 770F - Music of Stravinsky
- MUS 770G - History of Russian Music
- MUS 785 - The Symphony
- MUS 786A - The Operas of Mozart
- MUS 786B - The Operas of Verdi
- MUS 786C - Puccini and the Verismo
- MUS 786D - American Opera Seminar
- MUS 789 - The Art Song

- MUS 792 - History of Opera
- MUS 793 - Medieval and Renaissance Music
- MUS 794 - Music of the Baroque Period
- MUS 795 - Classical and Early Nineteenth-Century Music
- MUS 796 - Music of the Romantic Period
- MUS 797 - Music of the Twentieth Century

Music Theory Course – Credits: 3

Complete 3 credits from following list of courses:

- MUS 501 - Counterpoint
- MUS 705 - Techniques of the Romantic Period
- MUS 706 - Twentieth-Century Techniques
- MUS 707 - Analysis in Relation to Performance
- MUS 708 - Aspects of Musical Style
- MUS 774 - Seminar in Music Theory
- MUS 770 - Techniques of the Classical Era
- MUS 770 - Techniques of the Baroque Era

Music Education Courses – Credits: 9

- MUS 640 - Foundations and Principles of Music Education
- MUS 641 - Studies in Music Curricula
- MUS 671 - Research in Music Education

Music Education Elective Course – Credits: 3

Complete 3 credits from the following list of courses:

- MUS 642 - Orff Schulwerk Teacher Training Certification Level I
- MUS 643 - Orff Schulwerk Teacher Training Certification Level II
- MUS 644 - Orff Schulwerk Teacher Training Certification Level III
- MUS 650 - Educational Measurement in Music
- MUS 653 - Teaching Non-Performance Music in Secondary School
- MUS 655 - Teaching Music and Exceptional Learners

Elective Course – Credits: 9

Complete 9 credits of advisor-approved applied music or conducting electives.

Degree Requirements

- Successful completion of a minimum of 33 credits.
- No more than eight hours of 500-level course work may be applied to the candidate's degree program.
- All graduate students in music must maintain a minimum cumulative grade point average (GPA) of 3.00 in all degree-required courses. Only courses for which the student earns a final grade of "A", "A-", "B+", "B", or "S" may be applied to the graduate degree. A graduate student whose cumulative GPA falls below

3.0 (B) in a given term will be placed on probation for the following term. If a 3.0 cumulative GPA is not attained by the end of the probationary term, the student will either be granted a final opportunity to raise her/his GPA or may be dismissed from the program.

- Successful completion of MUS 690 - Bibliography, with a minimum grade of B, is a pre-requisite for all graduate-level music history classes.
- The maximum number of workshop credits is three.
- The School of Music reviews the academic performance of graduate students at the end of each academic year and reviews the academic performance of graduate students on assistantships at the end of each semester.
- If the school determines that a student is not making satisfactory progress towards the degree, it will request that the Graduate Dean separate the student from the department or place the student on probation. A student whose cumulative GPA falls below 3.0 for three successive semesters will be automatically dismissed from the program.
- Candidates for the Master of Music degree in Music Education are required to take a written comprehensive examination

Graduation Requirements

See Plan Graduation Requirements below.

Subplan 12 Requirements: Music Education - Orff Schulwerk

Total Credits Required: 33

Course Requirements

Required Course – Credits: 3

- MUS 690 - Bibliography

Music History Course – Credits: 6

Complete 6 credits from following list of courses:

- MUS 529 - Interpretation: German Lied
- MUS 530 - French Melodie
- MUS 770A - Graduate History Seminar
- MUS 770B - Beethoven
- MUS 770C - Fin de Siecle
- MUS 770D - Music of Wagner
- MUS 770E - Music of Bach
- MUS 770F - Music of Stravinsky
- MUS 770G - History of Russian Music
- MUS 785 - The Symphony
- MUS 786A - The Operas of Mozart
- MUS 786B - The Operas of Verdi

- MUS 786C - Puccini and the Verismo
- MUS 786D - American Opera Seminar
- MUS 789 - The Art Song
- MUS 792 - History of Opera
- MUS 793 - Medieval and Renaissance Music
- MUS 794 - Music of the Baroque Period
- MUS 795 - Classical and Early Nineteenth-Century Music
- MUS 796 - Music of the Romantic Period
- MUS 797 - Music of the Twentieth Century

Music Theory Course – Credits: 3

Complete 3 credits from following list of courses:

- MUS 501 - Counterpoint
- MUS 705 - Techniques of the Romantic Period
- MUS 706 - Twentieth-Century Techniques
- MUS 707 - Analysis in Relation to Performance
- MUS 708 - Aspects of Musical Style
- MUS 774 - Seminar in Music Theory
- MUS 770 - Techniques of the Classical Era
- MUS 770 - Techniques of the Baroque Era

Music Education Courses – Credits: 6

- MUS 640 - Foundations and Principles of Music Education
- MUS 671 - Research in Music Education

Orff Levels I-III Courses – Credits: 9

- MUS 642 - Orff Schulwerk Teacher Training Certification Level I
- MUS 643 - Orff Schulwerk Teacher Training Certification Level II
- MUS 644 - Orff Schulwerk Teacher Training Certification Level III

Elective Course – Credits: 6

Complete 6 credits of advisor-approved Applied Music or Conducting electives.

Degree Requirements

- Successful completion of a minimum of 33 credits.
- No more than eight hours of 500-level course work may be applied to the candidate's degree program.
- All graduate students in music must maintain a minimum cumulative grade point average (GPA) of 3.00 in all degree-required courses. Only courses for which the student earns a final grade of "A", "A-", "B+", "B", or "S" may be applied to the graduate degree. A graduate student whose cumulative GPA falls below 3.0 (B) in a given term will be placed on probation

for the following term. If a 3.0 cumulative GPA is not attained by the end of the probationary term, the student will either be granted a final opportunity to raise her/his GPA or may be dismissed from the program.

- Successful completion of MUS 690 - Bibliography, with a minimum grade of B, is a pre-requisite for all graduate-level music history classes.
- The School of Music reviews the academic performance of graduate students at the end of each academic year and reviews the academic performance of graduate students on assistantships at the end of each semester.
- If the school determines that a student is not making satisfactory progress towards the degree, it will request that the Graduate Dean separate the student from the department or place the student on probation. A student whose cumulative GPA falls below 3.0 for three successive semesters will be automatically dismissed from the program.

Graduation Requirements

See Plan Graduation Requirements below.

Subplan 13 Requirements: Graduate Licensure: K-12 Music

Total Credits Required: 34

Course Requirements

Required Courses – Credits: 9

- MUS 640 - Foundations and Principles of Music Education
- MUS 641 - Studies in Music Curricula
- MUS 671 - Research in Music Education

Program Emphasis Courses – Credits: 12

- CIS 603 - Secondary Process and Instruction
- EPY 708 - Human Learning and Development
- MUS 650 - Educational Measurement in Music
- MUS 655 - Teaching Music and Exceptional Learners

Additional Program Emphasis Course – Credits: 3

Complete one of the following courses:

- MUS 721 - Large Ensemble Conducting and Literature
- MUS 722 - Instrumental Conducting Seminar
- MUS 723 - Advanced Choral Conducting
- MUSA 760 - Secondary Applied Music for Doctoral Students

Music History Course – Credits: 3

Complete 3 credits from following list of courses:

- MUS 529 - Interpretation: German Lied
- MUS 530 - French Melodie
- MUS 770A - Graduate History Seminar

- MUS 770B - Beethoven
- MUS 770C - Fin de Siecle
- MUS 770D - Music of Wagner
- MUS 770E - Music of Bach
- MUS 770F - Music of Stravinsky
- MUS 770G - History of Russian Music
- MUS 785 - The Symphony
- MUS 786A - The Operas of Mozart
- MUS 786B - The Operas of Verdi
- MUS 786C - Puccini and the Verismo
- MUS 786D - American Opera Seminar
- MUS 789 - The Art Song
- MUS 792 - History of Opera
- MUS 793 - Medieval and Renaissance Music
- MUS 794 - Music of the Baroque Period
- MUS 795 - Classical and Early Nineteenth-Century Music
- MUS 796 - Music of the Romantic Period
- MUS 797 - Music of the Twentieth Century

Music Theory Course – Credits: 3

Complete 3 credits from following list of courses:

- MUS 501 - Counterpoint
- MUS 705 - Techniques of the Romantic Period
- MUS 706 - Twentieth-Century Techniques
- MUS 707 - Analysis in Relation to Performance
- MUS 708 - Aspects of Musical Style
- MUS 774 - Seminar in Music Theory
- MUS 770 - Techniques of the Classical Era
- MUS 770 - Techniques of the Baroque Era

Internship Course – Credits: 3

- MUS 502 - School Music Practicum

Culminating Experience – Credits: 1

- MUS 697 - Music Culminating Experience

Degree Requirements

- Successful completion of a minimum of 34 credits with a minimum GPA of 3.00.
- Students are required to complete the courses as delineated in each phase of the program, both prior to and after, student teaching. In the Graduate Licensure Program, students complete the prerequisites and requirements for licensure (with student teaching) prior to completing the Master's degree.
- Continuous enrollment must be maintained unless a letter requesting exemption for the semester in question is submitted. Once admitted, students must

take a 500, 600 or 700 level course each semester.

- CIS 601 must be successfully completed before taking MUS 502.
- Successful completion of a culminating experience.

Graduation Requirements

See Plan Graduation Requirements below.

Plan Graduation Requirements

The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.

Doctor of Musical Arts

This program (Applied Music) is accredited by: NASM. More information can be found at: unlv.edu/provost/vpaa/accreditation

Plan Description

The Doctor of Musical Arts degree represents the highest level of academic and musical achievement at UNLV. The program is designed for those students who choose to pursue careers in both performance and college-level teaching.

Our program provides intensive academic preparation and teaching of the type that will enable students to be effective pedagogues and to function successfully in an academic environment while continuing their development as performing artists.

For more information about your program, including your graduate program handbook and learning outcomes please visit the Degree Directory.

Learning outcomes for specific subplan tracks can be found below:

- Applied Brass, Piano, Strings, Woodwinds
- Applied Music: Applied Conducting
- Applied Music: Applied Percussion
- Applied Music: Applied Voice

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

Students applying for admission to the Doctor of Musical Arts degree program must submit an application through the Graduate College. There are different deadlines for international students, and for students who wish to apply for assistantships, which are also found on the Graduate College website. In addition to submitting an application and transcripts of all college-level work to the Graduate

College, prospective students must have a Master's degree in music from a NASM accredited institution.

All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements. In addition to submitting an application and transcripts of all college-level work to the Graduate College, prospective students must present the following credentials:

1. An overall undergraduate GPA and master's GPA of at least 2.75 (or 3.00 in the last two years of undergraduate study).
2. An undergraduate GPA of at least 3.00 in music.

Prior to registration, all School of Music graduate students must take placement examinations in music history, theory, and aural skills/sight-singing, regardless of their area of concentration. Passing scores on these exams, or passing grades in the appropriate history or theory review courses (B or above) are required before students may enroll in graduate-level history and theory courses. Credit for review courses will not be applied towards the degree.

Prospective students must also present credentials to the School of Music. Under the Program Information section of the online application, please be sure to list your specific concentration. The following credentials must be presented to the School of Music:

Performance Tracks

1. Three confidential letters of recommendation from former instructors attesting to the student's ability to complete graduate work at an acceptable level.
2. A 500-word essay defining career goals and explaining how graduate studies in music will advance the applicant toward these goals.
3. A successful on-campus performance audition.
4. All auditions must be presented by April 15 for fall semester admission and by October 15 for spring semester admission. Audition length, requirements, and contact information vary by area. Please consult the area coordinator for further information.

Conducting Tracks

1. Three confidential letters of recommendation from former instructors attesting to the student's ability to complete graduate work at an acceptable level.
2. A 500-word essay defining career goals and explaining how graduate studies in music will advance the applicant toward these goals.
3. A videotape or DVD of a rehearsal and performance under the applicant's direction.
4. An on-campus conducting audition.
5. All auditions must be presented by April 15 for fall semester admission and by October 15 for spring semester admission. Audition length, requirements, and contact information vary by area. Please consult

the area coordinator for further information.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

See Subplan Requirements below.

Subplan 1 Requirements: Brass Track

Total Credits Required: 60

Course Requirements

Required Courses – Credits: 4

- MUS 773 - Research Seminar
- MUS 719 - Teaching Music in Higher Education

History/Literature Courses – Credits: 9

Complete 9 credits from following list of courses:

- MUS 770 - Seminar: Special Topics
- MUS 785 - The Symphony
- MUS 786A - The Operas of Mozart
- MUS 786B - The Operas of Verdi
- MUS 786C - Puccini and the Verismo
- MUS 786D - American Opera Seminar
- MUS 789 - The Art Song
- MUS 792 - History of Opera
- MUS 793 - Medieval and Renaissance Music
- MUS 794 - Music of the Baroque Period
- MUS 795 - Classical and Early Nineteenth-Century Music
- MUS 796 - Music of the Romantic Period
- MUS 797 - Music of the Twentieth Century

Music Theory Courses – Credits: 6

Complete 6 credits from following list of courses:

- MUS 501 - Counterpoint
- MUS 705 - Techniques of the Romantic Period
- MUS 706 - Twentieth-Century Techniques
- MUS 707 - Analysis in Relation to Performance
- MUS 708 - Aspects of Musical Style
- MUS 774 - Seminar in Music Theory
- MUS 770 - Seminar: Special Topics

Pedagogy Course – Credits: 3

Complete three credits from the following list of courses:

- MUS 747B - Instrumental Music-Brass

- MUS 748 - Music Wellness: A Survival Guide for Teachers and Performers

Applied Lessons Courses – Credits: 16

Complete 16 credits from the following course corresponding to the student's primary instrument:

- MUSA 764 - Applied Music for Doctoral Students

Ensembles Course – Credits: 2

Complete 2 credits of advisor-approved ensemble (1 large, 1 chamber) coursework.

Recital Courses – Credits: 9

- MUS 798 - Recital
- Lecture-Recital Course – Credits: 3

- MUS 781 - Lecture-Recital

Elective Courses – Credits: 6

Complete 6 credits of advisor-approved elective coursework.

Document Course – Credits: 2

- MUS 780 - Document

Degree Requirements

See Plan Degree Requirements below.

Graduation Requirements

See Plan Graduation Requirements below.

Subplan 2 Requirements: Piano Track

Total Credits Required: 60

Course Requirements

Required Courses – Credits: 4

- MUS 773 - Research Seminar
- MUS 719 - Teaching Music in Higher Education

Solo Repertoire Course – Credits: 3

- MUS 726 - Survey of Solo Repertoire

History/Literature Courses – Credits: 6

Complete 6 credits from following list of courses:

- MUS 529 - Interpretation: German Lied
- MUS 530 - French Melodie
- MUS 770 - Seminar: Special Topics
- MUS 785 - The Symphony
- MUS 786A - The Operas of Mozart
- MUS 786B - The Operas of Verdi
- MUS 786C - Puccini and the Verismo
- MUS 786D - American Opera Seminar
- MUS 789 - The Art Song

- MUS 792 - History of Opera
- MUS 793 - Medieval and Renaissance Music
- MUS 794 - Music of the Baroque Period
- MUS 795 - Classical and Early Nineteenth-Century Music
- MUS 796 - Music of the Romantic Period
- MUS 797 - Music of the Twentieth Century

Music Theory Courses – Credits: 6

Complete 6 credits from following list of courses:

- MUS 501 - Counterpoint
- MUS 705 - Techniques of the Romantic Period
- MUS 706 - Twentieth-Century Techniques
- MUS 707 - Analysis in Relation to Performance
- MUS 708 - Aspects of Musical Style
- MUS 774 - Seminar in Music Theory
- MUS 770 - Seminar: Special Topics

Pedagogy Course – Credits: 3

Complete three credits from the following list of courses:

- MUS 747A - Instrumental Music-Piano
- MUS 748 - Music Wellness: A Survival Guide for Teachers and Performers

Applied Lessons Course – Credits: 16

Complete 16 credits from the following course:

- MUSA 764 - Applied Music for Doctoral Students

Ensembles Course – Credits: 2

Complete 2 credits of advisor-approved ensemble (1 large, 1 chamber) coursework.

Recital Courses – Credits: 9

- MUS 798 - Recital

Lecture-Recital Course – Credits: 3

- MUS 781 - Lecture-Recital

Elective Courses – Credits: 6

Complete 6 credits of advisor-approved elective coursework.

Document Course – Credits: 2

- MUS 780 - Document

Degree Requirements

See Plan Degree Requirements below.

Graduation Requirements

See Plan Graduation Requirements below.

Subplan 3 Requirements: String Track

Total Credits Required: 60

Course Requirements

Required Courses – Credits: 4

- MUS 773 - Research Seminar
- MUS 719 - Teaching Music in Higher Education

History/Literature Courses – Credits: 9

Complete 6 credits from following list of courses:

- MUS 529 - Interpretation: German Lied
- MUS 530 - French Melodie
- MUS 770 - Seminar: Special Topics
- MUS 785 - The Symphony
- MUS 786A - The Operas of Mozart
- MUS 786B - The Operas of Verdi
- MUS 786C - Puccini and the Verismo
- MUS 786D - American Opera Seminar
- MUS 789 - The Art Song
- MUS 792 - History of Opera
- MUS 793 - Medieval and Renaissance Music
- MUS 794 - Music of the Baroque Period
- MUS 795 - Classical and Early Nineteenth-Century Music
- MUS 796 - Music of the Romantic Period
- MUS 797 - Music of the Twentieth Century

Music Theory Courses – Credits: 6

Complete 6 credits from following list of courses:

- MUS 501 - Counterpoint
- MUS 705 - Techniques of the Romantic Period
- MUS 706 - Twentieth-Century Techniques
- MUS 707 - Analysis in Relation to Performance
- MUS 708 - Aspects of Musical Style
- MUS 770 - Seminar: Special Topics
- MUS 774 - Seminar in Music Theory

Pedagogy Course – Credits: 3

Complete three credits from the following list of courses:

- MUS 747D - Instrumental Music-String
- MUS 748 - Music Wellness: A Survival Guide for Teachers and Performers

Applied Lessons Courses – Credits: 16

Complete 16 credits from the following course corresponding to the student's primary instrument:

- MUSA 764 - Applied Music for Doctoral Students

Ensembles Course – Credits: 2

Complete 2 credits of advisor-approved ensemble (1 large, 1 chamber) coursework.

Recital Courses – Credits: 9

- MUS 798 - Recital

Lecture-Recital Course – Credits: 3

- MUS 781 - Lecture-Recital

Elective Courses – Credits: 6

Complete 6 credits of advisor-approved elective coursework.

Document Course – Credits: 2

- MUS 780 - Document

Degree Requirements

See Plan Degree Requirements below.

Graduation Requirements

See Plan Graduation Requirements below.

Subplan 4 Requirements: Woodwind Track

Total Credits Required: 60

Course Requirements

Required Courses – Credits: 4

- MUS 773 - Research Seminar
- MUS 719 - Teaching Music in Higher Education

History/Literature Courses – Credits: 9

Complete 9 credits from following list of courses:

- MUS 770 - Seminar: Special Topics
- MUS 785 - The Symphony
- MUS 786A - The Operas of Mozart
- MUS 786B - The Operas of Verdi
- MUS 786C - Puccini and the Verismo
- MUS 786D - American Opera Seminar
- MUS 789 - The Art Song
- MUS 792 - History of Opera
- MUS 793 - Medieval and Renaissance Music
- MUS 794 - Music of the Baroque Period
- MUS 795 - Classical and Early Nineteenth-Century Music
- MUS 796 - Music of the Romantic Period
- MUS 797 - Music of the Twentieth Century

Music Theory Courses – Credits: 6

Complete 6 credits from following list of courses:

- MUS 501 - Counterpoint

- MUS 705 - Techniques of the Romantic Period
- MUS 706 - Twentieth-Century Techniques
- MUS 707 - Analysis in Relation to Performance
- MUS 708 - Aspects of Musical Style
- MUS 774 - Seminar in Music Theory
- MUS 770 - Seminar: Special Topics

Pedagogy Course – Credits: 3

Complete three credits from the following list of courses:

- MUS 747C - Instrumental Music-Woodwind
- MUS 748 - Music Wellness: A Survival Guide for Teachers and Performers

Applied Lessons Courses – Credits: 16

Complete 16 credits from the following course corresponding to the student's primary instrument:

- MUSA 764 - Applied Music for Doctoral Students

Ensembles Course – Credits: 2

Complete 2 credits of advisor-approved ensemble (1 large, 1 chamber) coursework.

Recital Courses – Credits: 9

- MUS 798 - Recital

Lecture-Recital Course – Credits: 3

- MUS 781 - Lecture-Recital

Elective Courses – Credits: 6

Complete 6 credits of advisor-approved elective coursework.

Document Course – Credits: 2

- MUS 780 - Document

Degree Requirements

See Plan Degree Requirements below.

Graduation Requirements

See Plan Graduation Requirements below.

Subplan 5 Requirements: Conducting (Wind Band) Track

Total Credits Required: 60

Course Requirements

Required Courses – Credits: 4

- MUS 773 - Research Seminar
- MUS 719 - Teaching Music in Higher Education

History/Literature Required Course – Credits: 3

- MUS 727 - Survey of Ensemble Repertoire

History/Literature Electives Courses – Credits: 6

Complete 6 credits from following list of courses:

- MUS 529 - Interpretation: German Lied
- MUS 530 - French Melodie
- MUS 770 - Seminar: Special Topics
- MUS 785 - The Symphony
- MUS 786A - The Operas of Mozart
- MUS 786B - The Operas of Verdi
- MUS 786C - Puccini and the Verismo
- MUS 786D - American Opera Seminar
- MUS 789 - The Art Song
- MUS 792 - History of Opera
- MUS 793 - Medieval and Renaissance Music
- MUS 794 - Music of the Baroque Period
- MUS 795 - Classical and Early Nineteenth-Century Music
- MUS 796 - Music of the Romantic Period
- MUS 797 - Music of the Twentieth Century

Music Theory Courses – Credits: 6

Complete 6 credits from following list of courses:

- MUS 501 - Counterpoint
- MUS 705 - Techniques of the Romantic Period
- MUS 706 - Twentieth-Century Techniques
- MUS 707 - Analysis in Relation to Performance
- MUS 708 - Aspects of Musical Style
- MUS 774 - Seminar in Music Theory
- MUS 770 - Seminar: Special Topics

Pedagogy Courses – Credits: 6

- MUS 720 - Instrumental Music Reading and Conducting Workshop
- MUS 747F - Instrumental Music-Band

Applied Lessons Course – Credits: 16

Complete 16 credits from the following course:

- MUSA 764 - Applied Music for Doctoral Students

Ensembles Course – Credits: 2

Complete 2 credits of advisor-approved ensemble coursework.

Recital Courses – Credits: 9

- MUS 798 - Recital

Lecture-Recital Course – Credits: 3

- MUS 781 - Lecture-Recital

Elective Courses – Credits: 3

Complete 3 credits of advisor-approved elective

coursework.

Document Course – Credits: 2

- MUS 780 - Document

Degree Requirements

See Plan Degree Requirements below.

Graduation Requirements

See Plan Graduation Requirements below.

Subplan 6 Requirements: Conducting (Orchestra) Track

Total Credits Required: 60

Course Requirements

Required Courses – Credits: 4

- MUS 773 - Research Seminar
- MUS 719 - Teaching Music in Higher Education

History/Literature Required Course – Credits: 3

- MUS 727 - Survey of Ensemble Repertoire

History/Literature Elective Courses – Credits: 6

Complete 6 credits from following list of courses:

- MUS 529 - Interpretation: German Lied
- MUS 530 - French Melodie
- MUS 770 - Seminar: Special Topics
- MUS 785 - The Symphony
- MUS 786A - The Operas of Mozart
- MUS 786B - The Operas of Verdi
- MUS 786C - Puccini and the Verismo
- MUS 786D - American Opera Seminar
- MUS 789 - The Art Song
- MUS 792 - History of Opera
- MUS 793 - Medieval and Renaissance Music
- MUS 794 - Music of the Baroque Period
- MUS 795 - Classical and Early Nineteenth-Century Music
- MUS 796 - Music of the Romantic Period
- MUS 797 - Music of the Twentieth Century

Music Theory Courses – Credits: 6

Complete 6 credits from following list of courses:

- MUS 501 - Counterpoint
- MUS 705 - Techniques of the Romantic Period
- MUS 706 - Twentieth-Century Techniques
- MUS 707 - Analysis in Relation to Performance
- MUS 708 - Aspects of Musical Style

- MUS 774 - Seminar in Music Theory
- MUS 770 - Seminar: Special Topics

Pedagogy Courses – Credits: 6

- MUS 720 - Instrumental Music Reading and Conducting Workshop
- MUS 722 - Instrumental Conducting Seminar

Applied Lessons Courses – Credits: 16

Complete 16 credits from the following:

- MUSA 764 - Applied Music for Doctoral Students

Ensembles Course – Credits: 2

Complete 2 credits of advisor-approved ensemble coursework.

Recital Courses – Credits: 9

- MUS 798 - Recital

Lecture-Recital Course – Credits: 3

- MUS 781 - Lecture-Recital

Elective Courses – Credits: 3

Complete 3 credits of advisor-approved elective coursework.

Document Course –Credits: 2

- MUS 780 - Document

Graduation Requirements

See Plan Graduation Requirements below.

Degree Requirements

See Plan Degree Requirements below.

Subplan 7 Requirements: Percussion Track

Total Credits Required: 60

Course Requirements

Required Courses – Credits: 4

- MUS 773 - Research Seminar
- MUS 719 - Teaching Music in Higher Education

History/Literature Courses – Credits: 9

Complete 9 credits from following list of courses:

- MUS 529 - Interpretation: German Lied
- MUS 530 - French Melodie
- MUS 770 - Seminar: Special Topics
- MUS 785 - The Symphony
- MUS 786A - The Operas of Mozart
- MUS 786B - The Operas of Verdi
- MUS 786C - Puccini and the Verismo
- MUS 786D - American Opera Seminar

- MUS 789 - The Art Song
- MUS 792 - History of Opera
- MUS 793 - Medieval and Renaissance Music
- MUS 794 - Music of the Baroque Period
- MUS 795 - Classical and Early Nineteenth-Century Music
- MUS 796 - Music of the Romantic Period
- MUS 797 - Music of the Twentieth Century
- MUS 726D - Survey of Solo-Percus
- MUS 727D - Survey of Ensemble-Percus
- MUS 728 - Percussion Literature and Pedagogy

Music Theory Courses – Credits: 6

Complete 6 credits from following list of courses:

- MUS 501 - Counterpoint
- MUS 705 - Techniques of the Romantic Period
- MUS 706 - Twentieth-Century Techniques
- MUS 707 - Analysis in Relation to Performance
- MUS 708 - Aspects of Musical Style
- MUS 774 - Seminar in Music Theory
- MUS 770 - Seminar: Special Topics

Pedagogy Courses – Credits: 9

- MUS 777 - Seminars in Percussion

Applied Lessons Course – Credits: 16

Complete 16 credits from the following course:

- MUSA 764 - Applied Music for Doctoral Students

Ensembles Course – Credits: 2

Complete 2 credits of advisor-approved ensemble coursework.

Recital Course – Credits: 9

- MUS 798 - Recital

Lecture-Recital Course – Credits: 3

- MUS 781 - Lecture-Recital

Document Course – Credits: 2

- MUS 780 - Document

Degree Requirements

See Plan Degree Requirements below.

Graduation Requirements

See Plan Graduation Requirements below.

Subplan 8 Requirements: Voice Track

Total Credits Required: 60

Course Requirements

Required Courses – Credits: 4

- MUS 773 - Research Seminar
- MUS 719 - Teaching Music in Higher Education

History/Literature Courses – Credits: 9

Complete 9 credits from following list of courses:

- MUS 770 - Seminar: Special Topics
- MUS 785 - The Symphony
- MUS 786A - The Operas of Mozart
- MUS 786B - The Operas of Verdi
- MUS 786C - Puccini and the Verismo
- MUS 786D - American Opera Seminar
- MUS 789 - The Art Song
- MUS 792 - History of Opera
- MUS 793 - Medieval and Renaissance Music
- MUS 794 - Music of the Baroque Period
- MUS 795 - Classical and Early Nineteenth-Century Music
- MUS 796 - Music of the Romantic Period
- MUS 797 - Music of the Twentieth Century

Music Theory Courses – Credits: 6

Complete 6 credits from following list of courses:

- MUS 501 - Counterpoint
- MUS 705 - Techniques of the Romantic Period
- MUS 706 - Twentieth-Century Techniques
- MUS 707 - Analysis in Relation to Performance
- MUS 708 - Aspects of Musical Style
- MUS 774 - Seminar in Music Theory
- MUS 770 - Seminar: Special Topics

Pedagogy Courses – Credits: 6

Complete six credits from the following list of courses:

- MUS 717 - Master Class in Singer's Diction
- MUS 718A - Graduate Seminar in Voice-German
- MUS 718B - Graduate Seminar in Voice-French
- MUS 718C - Doctoral Seminar in Voice-Italian
- MUS 718D - Graduate Seminar in Voice: American Song
- MUS 727F - Survey of Ensemble-Vocal
- MUS 746 - Master Class in Vocal Pedagogy
- MUS 748 - Music Wellness: A Survival Guide for Teachers and Performers

Applied Lessons Course – Credits: 16

Complete 16 credits from the following course:

- MUSA 764 - Applied Music for Doctoral Students

Ensembles Course – Credits: 2

Complete 2 credits of advisor-approved ensemble coursework.

Recital Course – Credits: 9

- MUS 798 - Recital

Lecture-Recital Course – Credits: 3

- MUS 781 - Lecture-Recital

Elective Courses – Credits: 3

Complete one of the following courses:

- MUS 718A - Graduate Seminar in Voice-German
- MUS 718B - Graduate Seminar in Voice-French
- MUS 718C - Doctoral Seminar in Voice-Italian

Document Course – Credits: 2

- MUS 780 - Document

Degree Requirements

See Plan Degree Requirements below.

Graduation Requirements

See Plan Graduation Requirements below.

Plan Degree Requirements

1. The student must complete a minimum of 60 credits.
2. Throughout work for the degree, the student must maintain a minimum GPA of 3.00 with no course work receiving a grade of B- or below. If a student receives a grade of B- or below, the course must be retaken. If the student's cumulative GPA falls below 3.00, the student may be separated from the program.
3. The School of Music reviews the academic performance of graduate students at the end of the academic year and reviews the academic performance of graduate students on assistantships at the end of each semester. If the School of Music determines that a student is not making satisfactory progress toward the degree, it will request that the Graduate Dean separate the student from the department or place the student on probation. The department will provide the student with the specific requirements, including deadlines, which must be completed for the student to be removed from probation.
4. In consultation with his/her advisor, a student will organize a thesis committee of at least four departmental members. In addition, a fifth member from outside the department, known as the Graduate College Representative, must be appointed. An additional committee member may be added at the student and department's discretion. Please see Graduate College policy for committee appointment

guidelines.

5. Advisors are assigned by the Graduate Coordinator and are usually the student's major teacher. New graduate students should schedule an appointment with their advisor before registering for classes to determine course of study and will be advised upon matriculation as to which, if any, areas need special attention. Advisors take an active role in assisting to correct any student deficiencies by suggesting appropriate course work. Meetings should continue on a regular basis to assure appropriate progress towards the degree.
6. Participation in large ensembles is required throughout the student's residency. Some areas may have more specific large and small ensemble requirements. Students should consult their advisor for more details.
7. Reading knowledge of at least one foreign language is required for the DMA: French, German, Spanish, or Italian. With permission of the School of Music Graduate Committee, another language may be substituted. Students whose native language is not English may not use English or their native language to fulfill this requirement. This requirement must be fulfilled before the student schedules their qualifying exams. Students may fulfill the language requirement by doing one of the following:
 - a. Pass the Foreign Language Proficiency Exam in one of the approved languages.
 - i. The Foreign Language Proficiency Exam typically involves the translation of a 350 to 500-word text in a 90-minute period – the student may use a dictionary during the exam.
 - ii. Students interested in this option should first contact the Graduate Coordinator to schedule the exam. The exam content will be selected from a Departmental set of translation excerpts.
 - iii. Once complete, the exam is graded by a member of the Foreign Language Department, and the results are documented in completion of the DMA Foreign Language Evaluation form by the person overseeing the exam and should be sent to the Graduate Coordinator for the student's file.
 - iv. If the student does not succeed in passing the Foreign Language Proficiency Exam, they must fulfill the foreign language requirement by completing option b below.
- b. Complete two successive semesters of regular undergraduate foreign language courses while in residence for the DMA at UNLV in French, German, or Italian with a grade of B (3.0) or better in each course. Students may choose as a starting point the course that best suits their current level of competency. .

- i. Contact the School of Music for a list of UNLV courses that may be taken to fulfill this requirement.
- ii. Students must formally petition the School of Music Graduate Committee in advance if they wish to substitute a language for French, German, Spanish, or Italian.

Plan Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
2. The student must submit and successfully defend his/her doctoral document by the posted deadline. The defense must be advertised and is open to the public.
3. After the defense, the student must electronically submit a properly formatted pdf copy of their document to the Graduate College for format check. Once the document format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for defenses, format check submissions, and the final ProQuest submission can be found here.

Music Courses

MUS 178D - Graduate Seminar in Voice: American Song **Credits 3**

To study representative vocal repertoire from major song composers of American song, through performance, discussion, reading, and listening. Study of repertoire in national area. Encompasses origins and development of the genre, and interpretive concerns relating to text, diction and composers' styles.

MUS 501 - Counterpoint **Credits 3**

Analysis of polyphonic practices including sixteenth-, eighteenth-, and twentieth-century styles. Formerly MUS 610 Notes: This course is crosslisted with MUS 401. Credit at the 500-level requires additional work. Prerequisites: Satisfactory score on the entrance exams, or successful completion of MUS 602 and MUS 604.

MUS 502 - School Music Practicum **Credits 3**

Students complete 45 hours in two placements (elementary and secondary) in music classrooms with teacher supervision to implement instructional plans and lessons and manage classrooms. Notes: Course taken the semester prior to student teaching. Prerequisites: CIS 601 and PPST. Corequisite: MUS 575, MUS 576, or MUS 578

MUS 529 - Interpretation: German Lied **Credits 1**

Study of German art song from 1700 to the present. Emphasis on style and interpretation, including study of the musical and historical contexts and their effect on poetry and art-song literature. Formerly MUS 629 Notes: This course is crosslisted with MUS 429. Credit at the 500-level requires additional work. Prerequisites: satisfactory completion of MUS 690 or equivalent, and satisfactory score on the entrance exams, or successful completion of MUS 602 and MUS 603.

MUS 530 - French Melodie Credits 1
Study of French mélodie from 1800 to the present. Emphasis on style and interpretation, including the study of the musical and historical contexts and their effect on poetry and art-song literature. Formerly MUS 630 Notes: This course is crosslisted with MUS 430. Credit at the 500-level requires additional work. Prerequisites: Satisfactory completion of MUS 690 or equivalent, and satisfactory score on the entrance exams, or successful completion of MUS 602 and MUS 603.

MUS 553 - Music Skills for Classroom Teachers Credits 3
Development of music skills useful in teaching and integrating music in a standards-based curriculum in the elementary grades. Classroom curriculum design and performance projects on recorder, Orff instruments and classroom percussion instruments. Methods, materials and techniques of Jaques-Dalcroze, Orff-Schulwerk, and Kodaly studied for functional application. Grading Graduate standing.

MUS 575 - Instrumental Methods Credits 3
Overview of instrumental techniques in teaching music in junior and senior high schools. Topics include evaluation and selection of materials, repertoire, curriculum, classroom organization, teacher tools, communications, and use of multimedia and technology. Prerequisites: CIS 601 and PPST. Corequisite: MUS 502

MUS 576 - Choral Methods Credits 3
Overview of vocal techniques in teaching music in junior and senior high schools. Topics include evaluation and selection of materials, repertoire, curriculum, classroom organization, teacher tools, communications, and use of multimedia and technology. Prerequisites: CIS 601 and PPST. Corequisite: MUS 502

MUS 578 - Teaching of General Music Credits 3
Methods of teaching research-based practices and standards based music curriculum in the elementary school. Includes communication skills, instructional delivery, assessment, lesson design and behavior management. Prerequisites: CIS 601 Corequisite: MUS 502

MUS 580 - The Healthy Musician Credits 2
This course gives specific information about practical anatomy and movement. Students will gain ease in performing and learn how improved coordination enables them to avoid fatigue, technical limitation and injury. Prerequisites: Graduate standing in Music.

MUS 581E - Elementary Supervised Student Teaching: Music Credits 6-12
Full time teaching as a teacher candidate in an elementary school related directly to the teaching of music. Teacher candidates demonstrate their knowledge, skills and disposition for teaching through directed mentorship from certified licensed teachers and university liaisons/supervisors and participate in all aspects of an elementary school. Prerequisites: Enrolled in a degree-seeking program; minimum 2.75 cumulative GPA, fingerprinting; passing PPST scores.

MUS 581S - Secondary Supervised Student Teaching: Music Credits 6-12
Full time teaching as a teacher candidate in a secondary school related directly to the teaching of music. Secondary teacher candidates demonstrate their knowledge, skills and disposition for teaching through directed mentorship from certified licensed teachers and university liaisons/supervisors and participate in all aspects of a secondary school. Prerequisites: Enrolled in a degree-seeking program; minimum 2.75 cumulative GPA, fingerprinting; passing PPST scores.

MUS 590 - Music Internship Credits 1
Prerequisites: Consent of instructor.

MUS 602 - Graduate Ear Training Review Credits 2
Designed to develop the student's ear training and sight-singing skills to the level necessary to pass the Graduate Aural Skills/Sight-singing Placement Examination. Notes: Not credited toward graduate program of study. Grading S/F grading only.

MUS 603 - Graduate Music History Review Credits 3
An accelerated survey of composers and works from the Middle Ages to the present, providing graduate students with concepts and historical perspective needed for further graduate music history studies. Notes: Not credited toward graduate program of study.

MUS 604 - Graduate Theory Review Credits 3
A review of common-practice harmony, counterpoint, and form. Notes: Not credited toward graduate program of study.

MUS 609 - Jazz Theory and Composition Credits 3
Analytical and written studies covering advanced jazz harmony as it relates to specific style developments in jazz history from the bebop period to present day. Formerly MUS 703 Prerequisites: Graduate standing, undergraduate course work in jazz theory or consent of instructor.

MUS 611 - Jazz Keyboard and Arranging Credits 3
Study of advanced keyboard techniques as they apply to jazz composition. Formerly MUS 711 Prerequisites: Graduate standing; undergraduate course work in jazz keyboard or consent of instructor.

MUS 613 - Jazz Pedagogy Credits 3
Examination of the basic materials, systems, and philosophies related to jazz education. Formerly MUS 729 Prerequisites: Graduate standing or consent of instructor.

MUS 617 - Marching Band Techniques Credits 3
Techniques of charting field movements and arranging musical selections for the marching band. Formerly MUS 717

MUS 640 - Foundations and Principles of Music Education Credits 3
Examination of the historical, psychological, and philosophical foundations of music education and teaching principles derived from these foundations. Formerly MUS 752

MUS 641 - Studies in Music Curricula Credits 3
Scope and sequence of musical experiences in the school music program including new techniques, trends, and developments in music education influencing change in curricula. Formerly MUS 751

MUS 642 - Orff Schulwerk Teacher Training Certification Level I Credits 3
Development of a sequential teaching curriculum utilizing chants, rhymes, poetry, singing, rhythmic and melodic training, improvisation, the study of pentatonic scales, the ostinato, simple bordun accompaniments, and elemental forms and soprano recorder. Prerequisites: Undergraduate major in music education or consent of instructor.

MUS 643 - Orff Schulwerk Teacher Training Certification Level II Credits 3
Extension of Level One techniques with further exploration in the following areas: mixed and uneven meters, harmonizations to include the moving bordun and chord change accompaniments, movement and instrumental improvisation, extended form, and the continuation of the soprano recorder with the introduction of the alto recorder. Students will teach a short

lesson demonstrating Orff process. Prerequisites: Successful completion of Orff Schulwerk Teacher Training Level I in an AOSA approved course.

MUS 644 - Orff Schulwerk Teacher Training Certification Level III Credits 3

Extension of Level Two techniques with further exploration in instrumental and vocal improvisation; advanced orchestration; major, minor, and modal materials; advanced recorder and movement. Students will teach two short lessons. Prerequisites: Successful completion of Orff Schulwerk Teacher Training Level II in an AOSA approved course.

MUS 645 - History of Orff Schulwerk Credits 3

A study of the Orff Schulwerk approach through examination of key people and political events, dance and movement practices, pedagogy and orchestration. Level I Orff Schulwerk Teacher Certification or experience teaching in the approach is recommended. Prerequisites: Consent of instructor.

MUS 646 - Advanced Orff Orchestration Credits 3

A study and practical application of orchestration techniques in the Orff Schulwerk approach to include arranging folk songs, speech and body percussion, non-tuned percussion, recorder and barred percussion instruments. Level II Orff Schulwerk Teacher Certification and 5 years teaching experience in the Orff Schulwerk approach recommended. Prerequisites: Instructor Consent

MUS 650 - Educational Measurement in Music Credits 3

A study of techniques, administration, and evaluation of tests and measurements appropriate for the K-12 music classroom to include: classroom tests and assessments, multiple-choice tests, performance-based and authentic assessments, observational techniques, achievement and aptitude tests, portfolios, and standardized tests

MUS 651 - Music Methods for Early Childhood Credits 3

Techniques for teaching and integrating music for preschool and primary children. Participation in musical experiences and performance assignments required. Prerequisites: Graduate or special student status.

MUS 652 - Advanced Studies in Elementary School Music Credits 3

Review, critical analysis and examination of current pedagogy and materials in the elementary music classroom. Focus includes Kodaly, Orff, Dalcroze, and Gordon approaches, emphasis on the use of technology and the development of sequential experiences which contribute to children's musical growth. Formerly MUS 754

MUS 653 - Teaching Non-Performance Music in Secondary School Credits 3

Content, organization, and materials of non-performance music classes and teaching units for secondary school students to include: music appreciation, general music, music theory, and music history. Formerly MUS 749 Prerequisites: Graduate Standing

MUS 655 - Teaching Music and Exceptional Learners Credits 3

Examination of the legislative, psychological, sociological, and philosophical foundations of music education for special learners and teaching principles derived from these foundations. Active discussion and lesson building, skills and approaches to teach in the music classroom with special learners will be actively included in class meetings. Formerly MUS 755 Prerequisites: Graduate standing.

MUS 660B - Master's Applied Study for Non-majors: Bassoon Credits 1 - 3

Individual instruction for master's students outside of degree requirements. Grading Letter grade Prerequisites: Permission of instructor

MUS 671 - Research in Music Education Credits 3

Investigation of methods of research, procedures for reporting research, and examination of research literature in music education. Formerly MUS 771

MUS 672 - Research Project in Music Education Credits 3

Design and completion of research study using descriptive or experimental research skills in a clinical or educational setting, or using historical research techniques. Formerly MUS 772 Prerequisites: MUS 671

MUS 680 - Thesis Credits 2-6

May be repeated but only six credits will be applied to the student's program. Grading S/F grading only.

MUS 683 - Jazz History Seminar Credits 3

JAZZ HISTORY SEMINAR Grading Letter grade

MUS 690 - Bibliography Credits 3

Study of the bibliography of music and methods of research. Formerly MUS 790

MUS 691B - Intermediate Reedmaking for Double Reed Instruments (Bassoon) Credits 1

Applied basic to intermediate reed-making for double reed music majors. Notes: May be repeated to a maximum of 8 credits. Grading S/F grading. Corequisite: Students must be enrolled in applied music lessons: MUSA 660 , MUSA 661 , MUSA 760 or MUSA 764

MUS 692B - Professional Reedmaking for Double Reed Instruments (Bassoon) Credits 1

Students will improve their basic knowledge of reed construction and learn to create a variety of typical reed styles from multiple designers. Students will also begin the process of creating a personal reed style, based on their equipment, embouchure, physicality, and sound preference. Grading S/F grading. Corequisite: Students must be enrolled in applied music lessons: MUSA 660 , MUSA 661 , MUSA 760 or MUSA 764

MUS 697 - Music Culminating Experience Credits 1

Culminating experience for M.Ed. music students. Includes a selection of faculty approved options such as a comprehensive examination, professional manuscript or presentation, eportfolio project, or other equitable curricular experiences.

MUS 698 - Recital-Master's Level Credits 2

Presentation of a full recital. Formerly MUS 798A Notes: May be repeated for a maximum of twelve credits. Prerequisites: Consent of Advisory Committee. Corequisite: Concurrent enrollment in MUS 661.

MUS 699A - History/Literature Credits 1 - 6

HISTORY/LITERATURE Grading Letter grade

MUS 699B - Theory/Composition Credits 1 - 6

THEORY/COMPOSITION Grading Letter grade

MUS 699C - Music Education Credits 1 - 6

MUSIC EDUCATION Grading Letter grade

MUS 705 - Techniques of the Romantic Period Credits 3

Analytical and written studies covering compositional practices of the nineteenth and early twentieth centuries. Prerequisites: Satisfactory score on the entrance exams, or successful completion of MUS 602 and MUS 604.

MUS 706 - Twentieth-Century Techniques Credits 3

Analytical and written studies covering compositional practices from Impressionism to the present day. Prerequisites: Satisfactory score on the entrance exams, or successful completion of MUS 602 and MUS 604.

MUS 707 - Analysis in Relation to Performance Credits 3

A study of Schenkerian analysis and its application to the problems of performance. Prerequisites: Satisfactory score on the entrance exams, or successful completion of MUS 602 and MUS 604.

MUS 708 - Aspects of Musical Style Credits 3

Identification and study of the theoretical aspects of musical style through the examination of representative works from music literature. Prerequisites: Satisfactory score on the entrance exams, or successful completion of MUS 602 and MUS 604.

MUS 717 - Master Class in Singer's Diction Credits 3

Phonetics and diction for singers in English, Italian, French, German, and Spanish. Formerly MUS 724

MUS 718A - Graduate Seminar in Voice-German Credits 3

To study representative vocal repertoire from major song composers of German lieder through performance, discussion, reading, and listening. Study of repertoire encompasses origins and development of the genre, and interpretive concerns relating to text, diction and composers' styles.

MUS 718B - Graduate Seminar in Voice-French Credits 3

To study representative vocal repertoire from major song composers of Voice-French through performance, discussion, reading, and listening. Study of repertoire encompasses origins and development of the genre, and interpretive concerns relating to text, diction and composers' styles.

MUS 718C - Doctoral Seminar in Voice-Italian Credits 3

To study representative vocal repertoire from major song composers of Voice-Italian through performance, discussion, reading, and listening. Study of repertoire encompasses origins and development of the genre, and interpretive concerns relating to text, diction and composers' styles.

MUS 718D - Graduate Seminar in Voice: American Song Credits 3

To study representative vocal repertoire from major song composers of American Song through performance, discussion, reading, and listening. Study of repertoire encompasses origins and development of the genre, and interpretive concerns relating to text, diction and composers' styles.

MUS 719 - Teaching Music in Higher Education Credits 1

Examination of the preparation, skills, and ethics essential for securing and retaining a faculty position in music at the college or university level. Prerequisites: Doctoral standing.

MUS 720 - Instrumental Music Reading and Conducting Workshop Credits 1-3

Primarily for the purpose of reading large ensemble music with additional emphasis on conducting techniques and pedagogy. Orchestra.

MUS 721 - Large Ensemble Conducting and Literature Credits 3

LARGE ENSEMBLE CONDUCTING AND LITERATURE

MUS 722 - Instrumental Conducting Seminar Credits 3

Analysis of individual conducting problems with emphasis on orchestral and contemporary music. a) Orchestra b) Band.

MUS 723 - Advanced Choral Conducting..... Credits 3

Preparation of selected choral scores with emphasis on style and interpretation.

MUS 726 - Survey of Solo Repertoire Credits 3

Examination of solo literature available for performance in the following media. a) String. b) Woodwind. c) Brass. d) Percussion. e) Piano. f) Vocal. g) Guitar.

MUS 726A - Survey of Solo-String Credits 3

Examination of solo literature available for performance in the media of Solo-String.

MUS 726B - Survey of Solo-Woodwind Credits 3

Examination of solo literature available for performance in Woodwind.

MUS 726C - Survey of Solo-Brass Credits 3

Examination of solo literature available for performance in Solo-Brass.

MUS 726D - Survey of Solo-Percus Credits 3

Examination of solo literature available for performance in Solo-Percus.

MUS 726E - Survey of Solo-Piano Credits 3

Examination of solo literature available for performance in Solo-Piano.

MUS 726F - Survey of Solo-Vocal Credits 3

Examination of solo literature available for performance in Solo-Vocal.

MUS 726G - Survey of Solo-Guitar Credits 3

Examination of solo literature available for performance in Solo-Guitar.

MUS 727 - Survey of Ensemble Repertoire Credits 3

Examination of ensemble literature available for performance in the following media. a) String. b) Woodwind. c) Brass. d) Percussion. e) Piano. f) Choral. g) Band. h) Orchestra.

MUS 727A - Survey Ensemble-String Credits 3

Examination of ensemble literature available for performance in the media of String.

MUS 727B - Survey of Survey Ensemble-Woodwind Credits 3

Examination of ensemble literature available for performance in the media of Woodwind.

MUS 727C - Survey of Ensemble-Brass Credits 3

Examination of ensemble literature available for performance in the media of Brass.

MUS 727D - Survey of Ensemble-Percus Credits 3

Examination of ensemble literature available for performance in the media of Percus.

MUS 727E - Survey of Ensemble-Piano Credits 3

Examination of ensemble literature available for performance in the media of Piano.

MUS 727F - Survey of Ensemble-Vocal Credits 3

Examination of ensemble literature available for performance in the media of Vocal.

MUS 727G - Survey of Ensemble-Band Credits 3

Examination of ensemble literature available for performance in the media of Band.

MUS 728 - Percussion Literature and Pedagogy Credits 3

Study of the origins and developments and the pedagogical techniques of standard percussion instruments, including general concert percussion instruments, keyboard percussion instruments, and drum set. Prerequisites: Graduate standing or consent of instructor.

MUS 742 - Orff Certification Level I Credits 3

Development of a sequential teaching curriculum utilizing chants, rhymes, poetry, singing, movement, instrumentation, and soprano recorder. Prerequisites: Undergraduate major in music education or consent of instructor.

MUS 743 - Orff Certification Level II Credits 3

Extension of a sequential teaching curriculum utilizing major and minor modes, additional harmonic techniques, complex rhythms, expanded elemental forms, and alto recorder. Prerequisites: Completion of Orff Level I.

MUS 744 - Orff Certification Level III Credits 3

Extension of a sequential teaching curriculum utilizing pentatonic and diatonic scales, lydian and mixolydian modes, descant, parallelism, irregular meters, changing meters, and off-beat accents. Prerequisites: Completion of Orff Level II.

MUS 746 - Master Class in Vocal Pedagogy Credits 3

Techniques for training and retraining voices. Study of the singer's vocal production mechanism.

MUS 747 - Instrumental Music Pedagogy Credits 3

Rationale and procedures for developing a logical and appropriate course of study for individual instruction of instrumental music. a) Piano. b) Brass. c) Woodwind. d) String. e) Guitar. f) Band. g) Orchestra.

MUS 747A - Instrumental Music-Piano Credits 3

Rationale and procedures for developing a logical and appropriate course of study for individual instruction of instrumental music-Piano.

MUS 747B - Instrumental Music-Brass Credits 3

Rationale and procedures for developing a logical and appropriate course of study for individual instruction of instrumental music-Brass.

MUS 747C - Instrumental Music-Woodwind Credits 3

Rationale and procedures for developing a logical and appropriate course of study for individual instruction of instrumental music-Woodwind.

MUS 747D - Instrumental Music-String Credits 3

Rationale and procedures for developing a logical and appropriate course of study for individual instruction of instrumental music-String.

MUS 747E - Instrumental Music-Guitar Credits 3

Rationale and procedures for developing a logical and appropriate course of study for individual instruction of instrumental music-Guitar.

MUS 747F - Instrumental Music-Band Credits 3

Rationale and procedures for developing a logical and appropriate course of study for individual instruction of instrumental music-Band.

MUS 747G - Instrumental Music-Orchestra Credits 3

Rationale and procedures for developing a logical and appropriate course of study for individual instruction of instrumental music-Orchestra.

MUS 748 - Music Wellness: A Survival Guide for Teachers and Performers Credits 3

Focuses on past and current research related to health preservation and injury prevention among musicians. Vocal, auditory, mental and neuromusculoskeletal health will be investigated through the exploration of Body Mapping, as well as methods developed by Feldenkreis, Alexander, Taubman and others. Prerequisites: Graduate standing in Music.

MUS 761 - Graduate Applied Music for Performance Majors Credits 2 – 4

Individual instruction on instruments or voice. Audition and jury examination required. a) Baritone. b) Bassoon. c) Cello. d) Clarinet. e) Flute. f) Horn. g) Oboe. i) Piano. j) Saxophone. k) String Bass. l) Trombone. m) Trumpet. n) Tuba. o) Viola. p) Violin. q) Voice. r) Guitar. s) Percussion. t) Organ. u) Harp.

MUS 762 - Graduate Applied Music for Performance Majors Credits 2 – 4

Individual instruction on instruments or voice. Audition and jury examination required. a) Baritone. b) Bassoon. c) Cello. d) Clarinet. e) Flute. f) Horn. g) Oboe. i) Piano. j) Saxophone. k) String Bass. l) Trombone. m) Trumpet. n) Tuba. o) Viola. p) Violin. q) Voice. r) Guitar. s) Percussion. t) Organ. u) Harp.

MUS 768 - Graduate Applied Music for Non-Performance Majors Credits 2 – 4

Individual instruction on instruments or voice. Audition and jury examination required. For students in music education or theory and composition curricula. a) Baritone. b) Bassoon. c) Cello. d) Clarinet. e) Flute. f) Horn. g) Oboe. l) Piano. j) Saxophone. k) String Bass. l) Trombone. m) Trumpet. n) Tuba. o) Viola. p) Violin. q) Voice. r) Guitar. s) Percussion. t) Organ. u) Harp

MUS 770 - Seminar: Special Topics Credits 1 – 9

Explores a specific aspect of music. Notes: May be repeated to a maximum of six credits for master's candidates and nine credits for doctoral candidates. Prerequisites: Satisfactory completion of MUS 690 or equivalent; and either a satisfactory score on applicable entrance exam(s), or successful completion of MUS 603.

MUS 773 - Research Seminar Credits 3

Study of research methodologies appropriate to the various disciplines of music history: biography and history, ethnomusicology, performance practice. Study of each methodology complemented by practical applications such as oral reports, research papers, or lecture-recitals. Prerequisites: MUS 690 or equivalent; Master's degree in music.

MUS 774 - Seminar in Music Theory Credits 3

Special topics in music theory including investigations of the underlying theoretical techniques of various composers' styles. Investigations will include use of rhythm, harmony, counterpoint, form, instrumentation, as well as other elements of musical style. Prerequisites: MUS 707, MUS 708 or equivalent; Master's degree in music

MUS 775 - Artist Diploma Performance Seminar Credits 3

Examines issues of advanced instrumental and vocal performance practice, literature, and analysis. Outreach performances in the Clark County School District during the semester are required. Grading Letter grade Prerequisites: Admission into the Artist Diploma program and consent of instructor.

MUS 777 - Seminars in Percussion Credits 1 – 3

Candidate chooses three percussion topics to research at five-week intervals. Examines the topic as to its history, pedagogy, and literature. Formal presentation after each five-week period featuring the research with emphasis on specific area within the general topic. Prerequisites: Master's degree in music and consent of instructor.

MUS 780 - Document Credits 2-6

The document is limited in scope compared to a dissertation, demonstrates professional standards of scholarship, and contributes to existing knowledge within the field of study. Prerequisites: Successful completion of D.M.A qualifying exams, successful completion of all required D.M.A academic course work and consent of advisory committee.

MUS 781 - Lecture-Recital Credits 3

Presentation of a lecture-recital demonstrating a synthesis of performance and scholarship. Topic is directly related to the topic of the student's D.M.A document. Prerequisites: Successful completion of all required D.M.A academic course work and consent of advisory committee. Corequisite: Concurrent enrollment in MUS 764.

MUS 783 - Jazz History Seminar Credits 3

In-depth study of jazz history with special focus on student research and presentations. Prerequisites: Graduate standing; undergraduate course work in jazz history or consent of instructor.

MUS 785 - The Symphony Credits 3

Study of the origins and development of the symphony from 1750 to the present. Analysis of representative works from different style periods and emphasis on relationships of development of orchestra and formal development of genre. Prerequisites: Satisfactory completion of MUS 690 or equivalent; and either a satisfactory score on applicable entrance exam(s), or successful completion of MUS 603.

MUS 786A - The Operas of Mozart Credits 3

Detailed study of the operas of W. A. Mozart, analysis of style, vocal writing, of his librettists, and the influences on the formation of his style. Prerequisites: Satisfactory completion of MUS 690 or equivalent; and either a satisfactory score on applicable entrance exam(s), or successful completion of MUS 603.

MUS 786B - The Operas of Verdi Credits 3

Detailed study of the operas of Giuseppe Verdi, analysis of style, vocal writing, his librettists, and influences that led to formation of his style. Prerequisites: Satisfactory completion of MUS 690 or equivalent; and either a satisfactory score on applicable entrance exam(s), or successful completion of MUS 603.

MUS 786C - Puccini and the Verismo Credits 3

Surveys and discusses the operatic works of Giacomo Puccini and his importance to the historical development of opera. Discussion of the period in Italian Opera known as Verismo with emphasis on composers that help to create this musical form. Prerequisites: Satisfactory completion of MUS 690 or equivalent; and either a satisfactory score on applicable entrance exam(s), or successful completion of MUS 603.

MUS 786D - American Opera Seminar Credits 3

In-depth survey of American operas in the twentieth century, with emphasis on composer, representative works, style and content. Prerequisites: Satisfactory completion of MUS 690 or equivalent; and either a satisfactory score on applicable entrance exam(s), or successful completion of MUS 603.

MUS 789 - The Art Song Credits 3

Study of solo song from its beginning to the present day. Prerequisites: Satisfactory completion of MUS 690 or equivalent; and either a satisfactory score on applicable entrance exam(s), or successful completion of MUS 603.

MUS 792 - History of Opera Credits 3

Study of the historical development of opera from Monteverdi to the present with emphasis on representative works and composers. Prerequisites: Satisfactory completion of MUS 690 or equivalent; and either a satisfactory score on applicable entrance exam(s), or successful completion of MUS 603.

MUS 793 - Medieval and Renaissance Music Credits 3

Study of the evolution of European music from antiquity through the end of the sixteenth century. Prerequisites: Satisfactory completion of MUS 690 or equivalent; and either a satisfactory score on applicable entrance exam(s), or successful completion of MUS 603.

MUS 794 - Music of the Baroque Period Credits 3

Examination of the styles and forms of the seventeenth and early eighteenth centuries. Prerequisites: Satisfactory completion of MUS 690 or equivalent; and either a satisfactory score on applicable entrance exam(s), or successful completion of MUS 603.

MUS 795 - Classical and Early Nineteenth-Century Music Credits 3

Examination of the styles and forms of the period 1750 to 1825. Prerequisites: Satisfactory completion of MUS 690 or equivalent; and either a satisfactory score on applicable entrance exam(s), or successful completion of MUS 603.

MUS 796 - Music of the Romantic Period Credits 3

Examination of the styles and forms from 1815 through the early twentieth century. Prerequisites: Satisfactory completion of MUS 690 or equivalent; and either a satisfactory score on applicable entrance exam(s), or successful completion of MUS 603.

MUS 797 - Music of the Twentieth Century Credits 3

Examination of the styles and forms from Impressionism to the present day. Prerequisites: Satisfactory completion of MUS 690 or equivalent; and either a satisfactory score on applicable entrance exam(s), or successful completion of MUS 603.

MUS 798 - Recital Credits 3

Presentation of a full recital at the doctoral level. Notes: May be repeated for a maximum of fifteen credits. Prerequisites: Consent of the advisory committee

MUS 798B - Recital-Doctoral Level Credits 3

Presentation of a full recital at the doctoral level. Notes: May be repeated to a maximum of fifteen credits. Grading Letter grade Prerequisites: Consent of the examination committee

MUS 799A - Indep St-Hist Lit Credits 1 - 3

Investigation of specific aspect of music under supervision of a faculty member. Notes: May be repeated to a maximum of six credits for master's candidates and nine credits for doctoral. Grading Letter grade

MUS 799B - Indep St-Thry Comp Credits 1 - 3

Investigation of specific aspect of music under supervision of a faculty member. Notes: May be repeated to a maximum of six credits for master's candidates and nine credits for doctoral. Grading Letter grade

MUS 799C - Indep St-Mus Educ Credits 1 - 3

Investigation of specific aspect of music under supervision of a faculty member. Notes: May be repeated to a maximum of six credits for master's candidates and nine credits for doctoral. Grading Letter grade

MUS 799D - Indep St-Pedagogy & Literature Credits 1 - 3

Investigation of specific aspect of music under supervision of a faculty member. Notes: May be repeated to a maximum of six credits for master's candidates and nine credits for doctoral. Grading Letter grade

MUSA 660A - Master's Applied Study for Non-majors: Euphonium Credits 1 - 3

Individual instruction for master's students outside of degree requirements. Notes: May be repeated to a maximum of sixteen credits. Grading Letter grade Prerequisites: Permission of instructor

MUSA 660AA - Master's Applied Study for Non-majors: Wind Conducting Credits 1 - 3

Individual instruction for master's students outside of degree requirements. Notes: May be repeated to a maximum of sixteen credits. Grading Letter grade Prerequisites: Permission of instructor

MUSA 660B - Master's Applied Study for Non-majors: Bassoon Credits 1 - 3

Individual instruction for master's students outside of degree requirements. Notes: May be repeated to a maximum of sixteen credits. Grading Letter grade Prerequisites: Permission of instructor

MUSA 660W - Master's Applied Study for Non-majors: Private Theory and Composition: Classical Credits 1 - 3
Individual instruction for master's students outside of degree requirements. Notes: May be repeated to a maximum of sixteen credits. Grading Letter grade Prerequisites: Permission of instructor

MUSA 660Y - Master's Applied Study for Non-majors: Orchestra Conducting Credits 1 - 3
Individual instruction for master's students outside of degree requirements. Notes: May be repeated to a maximum of sixteen credits. Grading Letter grade Prerequisites: Permission of instructor

MUSA 660Z - Master's Applied Study for Non-majors: Choral Conducting Credits 1 - 3
Individual instruction for master's students outside of degree requirements. Notes: May be repeated to a maximum of sixteen credits. Grading Letter grade Prerequisites: Permission of instructor

MUSA 661A - Applied Music for Master's Students: Euphonium Credits 2
Individual instruction for master's students. Notes: May be repeated to a maximum of eight credits. Grading Letter grade

MUSA 661V - Applied Music for Master's Students: Private Theory: Jazz Credits 2
Individual instruction on instruments or voice. Audition and jury examination required. Private Theory: Jazz. Prerequisites: Successful audition and permission of instructor.

MUSA 661W - Applied Music for Master's Students: Private Theory and Composition: Classical Credits 2
Individual instruction on instruments or voice. Audition and jury examination required. Private Theory and Composition: Classical. Prerequisites: Successful audition and permission of instructor.

MUSA 760 - Secondary Applied Music for Doctoral Student Credits 2 - 4
Individual instruction for doctoral students outside of degree requirements. a) Euphonium, b) Bassoon, c) Cello, d) Clarinet, e) Flute, f) Horn, g) Oboe, i) Piano, j) Saxophone, k) String Bass, l) Trombone, m) Trumpet, n) Tuba, o) Viola, p) Violin, q) Voice, r) Guitar, s) Percussion, t) Organ, u) Harp, aa) Wind Conducting, y) Orchestra Conducting, z) Choral Conducting. Notes: May be repeated to a maximum of six credits. Prerequisites: Permission of the Department chair.

MUSA 760A - Applied Music for doctoral students: Euphonium Credits 2 - 4
Individual instructions for doctoral students outside of degree requirements. Notes: May be repeated to a maximum of six credits. Prerequisites: Permission of the Department chair.

MUSA 760AA - Applied Music for doctoral students: Wind Conducting
Individual instruction for doctoral students outside of degree requirements. Notes: May be repeated to a maximum of six credits. Prerequisites: Permission of the Department chair.

MUSA 760B - Applied Music for doctoral students: Bassoon Credits 2 - 4
Individual instruction for doctoral students outside of degree requirements. Notes: May be repeated to a maximum of six credits. Prerequisites: Permission of the Department chair.

MUSA 760C - Applied Music for doctoral students: Cello Credits 2 - 4
Individual instruction for doctoral students outside of degree requirements. Notes: May be repeated to a maximum of six credits. Prerequisites: Permission of the Department chair.

MUSA 760D - Applied Music for doctoral students: Clarinet Credits 2 - 4
Individual instruction for doctoral students outside of degree requirements. Notes: May be repeated to a maximum of six credits. Prerequisites: Permission of the Department chair.

MUSA 760E - Applied Music for doctoral students: Flute Credits 2 - 4
Individual instruction for doctoral students outside of degree requirements. Notes: May be repeated to a maximum of six credits. Prerequisites: Permission of the Department chair.

MUSA 760F - Applied Music for doctoral students: Horn Credits 2 - 4
Individual instruction for doctoral students outside of degree requirements. Notes: May be repeated to a maximum of six credits. Prerequisites: Permission of the Department chair.

MUSA 760G - Applied Music for doctoral students: Oboe Credits 2 - 4
Individual instruction for doctoral students outside of degree requirements. Notes: May be repeated to a maximum of six credits. Prerequisites: Permission of the Department chair.

MUSA 760I - Applied Music for doctoral students: Piano Credits 2 - 4
Individual instruction for doctoral students outside of degree requirements. Notes: May be repeated to a maximum of six credits. Prerequisites: Permission of the Department chair.

MUSA 760J - Applied Music for doctoral students: Saxophone Credits 2 - 4
Individual instruction for doctoral students outside of degree requirements. Prerequisites: Permission of the Department chair.

MUSA 760K - Applied Music for doctoral students: String Bass Credits 2 - 4
Individual instruction for doctoral students outside of degree requirements. Prerequisites: Permission of the Department chair.

MUSA 760L - Applied Music for doctoral students: Trombone Credits 2 - 4
Individual instruction for doctoral students outside of degree requirements. Notes: May be repeated to a maximum of six credits. Prerequisites: Permission of the Department chair.

MUSA 760M - Applied Music for doctoral students: Trumpet Credits 2 - 4
Individual instruction for doctoral students outside of degree requirements. Notes: May be repeated up to six credits. Prerequisites: Permission of Department chair.

MUSA 760N - Applied Music for doctoral students: Tuba Credits 2 - 4
Individual instruction for doctoral students outside of degree requirements. Notes: May be repeated to a maximum of six credits. Prerequisites: Permission of the Department chair.

**MUSA 760O - Applied Music for doctoral students:
Viola Credits 2 - 4**
Individual instruction for doctoral students outside of degree requirements. Notes: May be repeated to a maximum of six credits. Prerequisites: Permission of the Department chair.

**MUSA 760P - Applied Music for doctoral students:
Violin Credits 2 - 4**
Individual instruction for doctoral students outside of degree requirements. Notes: May be repeated to a maximum of six credits. Prerequisites: Permission of the Department chair.

**MUSA 760Q - Applied Music for doctoral students:
Voice Credits 2 - 4**
Individual instruction for doctoral students outside of degree requirements. Notes: May be repeated to a maximum of six credits. Prerequisites: Permission of the Department chair.

**MUSA 760R - Applied Music for doctoral students: Guitar
Credits 2 - 4**
Individual instruction for doctoral students outside of degree requirements. Notes: May be repeated to a maximum of six credits. Prerequisites: Permission of the Department chair.

**MUSA 760S - Applied Music for doctoral students:
Percussion Credits 2 - 4**
Individual instruction for doctoral students outside of degree requirements. Notes: May be repeated to a maximum of six credits. Prerequisites: Permission of the Department chair.

**MUSA 760T - Applied Music for doctoral students: Organ
Credits 2 - 4**
Individual instruction for doctoral students outside of degree requirements. Notes: May be repeated to a maximum of six credits. Prerequisites: Permission of the Department chair.

**MUSA 760U - Applied Music for doctoral students: Harp
Credits 2 - 4**
Individual instruction for doctoral students outside of degree requirements. Notes: May be repeated to a maximum of six credits. Prerequisites: Permission of the Department chair.

**MUSA 760V - Applied Music for doctoral students: Private
Theory: Jazz Credits 2 - 4**
Individual instruction for doctoral students outside of degree requirements. Notes: May be repeated to a maximum of six credits.

**MUSA 760W - Applied Music for doctoral students: Private
Theory and Composition Credits 2 - 4**
Individual instruction for doctoral students outside of degree requirements. Notes: May be repeated to a maximum of six credits.

**MUSA 760Y - Applied Music for doctoral students: Orchestra
Conducting Credits 2 - 4**
Individual instruction for doctoral students outside of degree requirements. Notes: May be repeated to a maximum of six credits. Prerequisites: Permission of the Department chair.

**MUSA 760Z - Applied Music for doctoral students: Choral
Conducting Credits 2 - 4**
Individual instruction for doctoral students outside of degree requirements. Notes: May be repeated to a maximum of six credits. Prerequisites: Permission of the Department chair.

MUSA 764 - Applied Music for Doctoral Students Credits 2 - 4
Individual instruction for doctoral students. a) Euphonium, b) Bassoon, c) Cello, d) Clarinet, e) Flute, f) Horn, g) Oboe, i) Piano, j) Saxophone, k) String Bass, l) Trombone, m) Trumpet, n) Tuba, o) Viola, p) Violin, q) Voice, r) Guitar, s) Percussion, t)

Organ, u) Harp, aa) Wind Conducting, y) Orchestra Conducting, z) Choral Conducting. Notes: May be repeated to a maximum of sixteen credits. Prerequisites: Successful audition and permission of instructor.

**MUSA 764A - Applied Music for doctoral students:
Euphonium Credits 2 - 4**
Individual instructions for doctoral students in euphonium. Notes: May be repeated to a maximum of sixteen credits. Prerequisites: Successful audition and permission of instructor.

**MUSA 764AA - Applied Music for doctoral students: Wind
Conducting Credits 2 - 4**
Individual instructions for doctoral students in wind conducting. Notes: May be repeated to a maximum of sixteen credits. Prerequisites: Successful audition and permission of instructor.

**MUSA 764B - Applied Music for doctoral students:
Bassoon Credits 2 - 4**
Individual instructions for doctoral students in bassoon. Notes: May be repeated to a maximum of sixteen credits. Prerequisites: Successful audition and permission of instructor.

**MUSA 764C - Applied Music for doctoral students: Cello
Credits 2 - 4**
Individual instructions for doctoral students in cello. Notes: May be repeated to a maximum of sixteen credits. Prerequisites: Successful audition and permission of instructor.

**MUSA 764D - Applied Music for doctoral students: Clarinet
Credits 2 - 4**
Individual instructions for doctoral students in clarinet. Notes: May be repeated to a maximum of sixteen credits. Prerequisites: Successful audition and permission of instructor.

**MUSA 764E - Applied Music for doctoral students: Flute
Credits 2 - 4**
Individual instructions for doctoral students in flute. Notes: May be repeated to a maximum of sixteen credits. Prerequisites: Successful audition and permission of instructor.

**MUSA 764F - Applied Music for doctoral students:
Horn Credits 2 - 4**
Individual instructions for doctoral students in horn. Notes: May be repeated to a maximum of sixteen credits. Prerequisites: Successful audition and permission of instructor.

**MUSA 764G - Applied Music for doctoral students: Oboe
Credits 2 - 4**
Individual instructions for doctoral students in oboe. Notes: May be repeated to a maximum of sixteen credits. Prerequisites: Successful audition and permission of instructor.

**MUSA 764I - Applied Music for doctoral students: Piano
Credits 2 - 4**
Individual instructions for doctoral students in piano. Notes: May be repeated to a maximum of sixteen credits. Prerequisites: Successful audition and permission of instructor.

**MUSA 764J - Applied Music for doctoral students:
Saxophone Credits 2 - 4**
Individual instructions for doctoral students in saxophone. Notes: May be repeated to a maximum of sixteen credits. Prerequisites: Successful audition and permission of instructor.

**MUSA 764K - Applied Music for doctoral students: String
Bass Credits 2 - 4**
Individual instructions for doctoral students in string bass. Notes: May be repeated to a maximum of sixteen credits. Prerequisites: Successful audition and permission of instructor.

MUSA 764L - Applied Music for doctoral students: Trombone

Credits 2 - 4

Individual instructions for doctoral students in trombone. Notes: May be repeated to a maximum of sixteen credits. Prerequisites: Successful audition and permission of instructor.

MUSA 764M - Applied Music for doctoral students: Trumpet

Credits 2 - 4

Individual instructions for doctoral students in trumpet. Notes: May be repeated to a maximum of sixteen credits. Prerequisites: Successful audition and permission of instructor.

MUSA 764N - Applied Music for doctoral students: Tuba

Credits 2 - 4

Individual instructions for doctoral students in tuba. Notes: May be repeated to a maximum of sixteen credits. Prerequisites: Successful audition and permission of instructor.

MUSA 764P - Applied Music for doctoral students: Violin

Credits 2 - 4

Individual instructions for doctoral students in violin. Notes: May be repeated to a maximum of sixteen credits. Prerequisites: Successful audition and permission of instructor.

MUSA 764Q - Applied Music for doctoral students: Voice

Credits 2 - 4

Individual instructions for doctoral students in voice. Notes: May be repeated to a maximum of sixteen credits. Prerequisites: Successful audition and permission of instructor.

MUSA 764R - Applied Music for doctoral students: Guitar

Credits 2 - 4

Individual instructions for doctoral students in guitar. Notes: May be repeated to a maximum of sixteen credits. Prerequisites: Successful audition and permission of instructor.

MUSA 764S - Applied Music for doctoral students: Percussion

Credits 2 - 4

Individual instructions for doctoral students in percussion. Notes: May be repeated to a maximum of sixteen credits. Prerequisites: Successful audition and permission of instructor.

MUSA 764T - Applied Music for doctoral students: Organ

Credits 2 - 4

Individual instructions for doctoral students in organ. Notes: May be repeated to a maximum of sixteen credits. Prerequisites: Successful audition and permission of instructor.

MUSA 764U - Applied Music for doctoral students: Harp

Credits 2 - 4

Individual instructions for doctoral students in harp. Notes: May be repeated to a maximum of sixteen credits. Prerequisites: Successful audition and permission of instructor.

MUSA 764V - Applied Music for doctoral students: Private Theory: Jazz

Credits 2 - 4

Individual instructions for doctoral students private theory in jazz. Notes: May be repeated to a maximum of sixteen credits. Prerequisites: Successful audition and permission of instructor.

MUSA 764W - Applied Music for doctoral students: Private Theory and Composition

Credits 2 - 4

Individual instructions for doctoral students in private theory and composition. Notes: May be repeated to a maximum of sixteen credits. Prerequisites: Successful audition and permission of instructor.

MUSA 764Y - Applied Music for doctoral students: Orchestra Conducting

Credits 2 - 4

Individual instructions for doctoral students in orchestra conducting. Notes: May be repeated to a maximum of sixteen

credits. Prerequisites: Successful audition and permission of instructor.

MUSA 764Z - Applied Music for doctoral students: Choral Conducting

Credits 2 - 4

Individual instructions for doctoral students in choral conducting. Notes: May be repeated to a maximum of sixteen credits. Prerequisites: Successful audition and permission of instructor.

MUSA 766 - Private Graduate Conducting

Credits 2 - 4

Along with the individual private lesson, candidates must attend a weekly, one-hour conducting seminar. a) Orchestral. b) Band. c) Choral. Prerequisites: Successful audition and permission of instructor.

MUSE 503 - Chamber

Credits 1

Advanced chamber ensemble with emphasis on a cappella literature of all periods. Required participation in scheduled performances. Formerly MUSE 603 Notes: This course is crosslisted with MUSE 403. Credit at the 500-level requires additional work.

MUSE 504 - Opera Workshop

Credits 1

Laboratory course devoted to the performance of operatic excerpts and short operas. Formerly MUSE 604 Notes: This course is crosslisted with MUSE 404. Credit at the 500-level requires additional work.

MUSE 505 - Women's Chorus

Credits 1

Study and performance of sacred and secular choral music for female voices. Required participation in scheduled performances. Formerly MUSE 605 Notes: This course is crosslisted with MUSE 405. Credit at the 500-level requires additional work.

MUSE 506 - Varsity Men's Glee Club

Credits 1

Study and performance of sacred and secular choral music for male voices. Required participation in scheduled performances. Formerly MUSE 606 Notes: This course is crosslisted with MUSE 406. Credit at the 500-level requires additional work.

MUSE 507 - Master Chorale

Credits 1

Mixed choir for music majors, non-majors, and community members which focuses upon a cappella repertoire as well as major works with orchestra. Required participation in scheduled performances. Notes: This course is crosslisted with MUSE 407. Credit at the 500-level requires additional work. Prerequisites: Membership by audition.

MUSE 508 - Concert Singers

Credits 1

Concert choir that performs sacred and secular choral music of many styles, including a cappella literature. Required participation in scheduled performances. Formerly MUSE 608 Notes: This course is crosslisted with MUSE 408. Credit at the 500-level requires additional work.

MUSE 513 - Wind Orchestra

Credits 1

Emphasis on wind and percussion literature from all historical periods. Required participation in scheduled appearances for various events on and off campus. Formerly MUSE 613 Notes: This course is crosslisted with MUSE 413. Credit at the 500-level requires additional work. Prerequisites: Successful audition.

MUSE 515 - Marching Band

Credits 1

Experience in large instrumental ensembles. Required participation in scheduled appearances for various events on and off campus. Designed primarily to perform at football games. Formerly MUSE 615 Notes: This course is crosslisted with MUSE 415. Credit at the 500-level requires additional work. Prerequisites: Consent of instructor.

MUSE 516 - Pep Band Credits 1
Experience in large instrumental ensembles. Required participation in scheduled appearances for various events on and off campus. Ensemble designed primarily to perform at basketball games. Notes: This course is crosslisted with MUSE 416. Credit at the 500-level requires additional work. Prerequisites: Consent of instructor.

MUSE 518 - Community Concert Band Credits 1
Open to all university students with previous band experience. Required participation in scheduled appearances for various events on and off campus. Formerly MUSE 618 Notes: This course is crosslisted with MUSE 418. Credit at the 500-level requires additional work. Prerequisites: Consent of instructor.

MUSE 519 - Brass Band Credits 1
Ensemble designed to rehearse and concertize literature composed/transcribed for large brass ensemble and percussion. Required participation in scheduled appearances for various events on and off campus. Notes: May be repeated for credit. Grading Letter grade Prerequisites: Successful audition or instructor consent

MUSE 520 - Symphonic Winds Credits 1
Open to music and select non-music majors who successfully audition at the end of the fall semester. Performs standard wind band literature with an emphasis upon practical pedagogical foundations. Required participation in scheduled appearances for various events on and off campus. Formerly MUSE 620 Notes: This course is crosslisted with MUSE 420. Credit at the 500-level requires additional work. Prerequisites: Consent of instructor.

MUSE 521 - Symphony Orchestra Credits 1
Premier university ensemble which rehearses and performs orchestral repertoire from the early Baroque to the present day. Participants selected by audition and the instructor's consent. All selected participants expected to be available for all rehearsals (including occasional evening and dress rehearsals) and performances. Notes: This course is crosslisted with MUSE 421. Credit at the 500-level requires additional work. Prerequisites: Successful audition required.

MUSE 522 - Chamber Orchestra Credits 1 credit each
Small orchestral ensemble with an emphasis on developing chamber music skills and rehearsal techniques. Repertoire ranges from the early Baroque to the present day. Formerly MUSE 622 Notes: This course is crosslisted with MUSE 422. Credit at the 500-level requires additional work.

MUSE 524 - New Horizons Band Credits 1
A rehearsal and study of wind and percussion literature from all historical periods for members of the university and community. May include scheduled appears on and off campus. Notes: May be repeated to a maximum of 4 credits.

MUSE 531 - Jazz Ensemble Credits 1
Experience in large ensemble performances in the jazz idiom. Required participation in scheduled appearances both on and off campus, including festivals and out-of-town tours. Open to university students by audition only. Formerly MUSE 631 Notes: This course is crosslisted with MUSE 431. Credit at the 500-level requires additional work. Prerequisites: By audition only.

MUSE 533 - Jazz Combo Credits 1
Jazz Combo experience including the study of appropriate repertoire. Preparation for performances will be done in weekly scheduled combo rehearsals. In addition, each combo will perform two additional concerts, so that a minimum of three performances is required of each combo during the semester. Formerly MUSE 633 Notes: This course is crosslisted with

MUSE 433. Credit at the 500-level requires additional work. May be repeated to a maximum of eight credits. Prerequisites: Successful audition.

MUSE 534 - Jazz Guitar Ensemble Credits 1
Jazz Guitar Ensemble. Exposes guitar students to a broad spectrum of musical styles, exercises their reading skills, and introduces them to the art of improvisational soloing. Experience the camaraderie of playing in an ensemble and the opportunity to exchange information and ideas. Formerly MUSE 634 Notes: This course is crosslisted with MUSE 434 Credit at the 5000-level requires additional work. Prerequisites: Successful audition

MUSE 535 - Jazz Vocal Ensemble Credits 1
Jazz Vocal Ensemble. Exposes the students to performance with emphasis on essential stylistic interpretations associated with the jazz vocal repertoire. A rhythm section will be provided. Formerly MUSE 635 Notes: This course is crosslisted with MUSE 435. Credit at the 500-level requires additional work.

MUSE 536 - Contemporary Jazz Ensemble Credits 1
Rehearsals with performance opportunities in contemporary jazz styles. Students will explore relevant jazz literature and are encouraged to compose original jazz music. Performances may take place on and off campus. Formerly MUSE 636 Notes: This course is crosslisted with MUSE 436. Credit at the 500-level requires additional work.

MUSE 537 - Jazz Latin Ensemble Credits 1
Exposes the students to performance with emphasis on essential stylistic interpretations associated with Latin jazz repertoire. Prerequisites: Successful audition.

MUSE 541 - Woodwind Ensemble Credits 1
Students rehearse and perform chamber music for various instrumental combinations. Performances may take place on and off campus. Formerly MUSE 641 Notes: This course is crosslisted with MUSE 441. Credit at the 500-level requires additional work.

MUSE 543 - Flute Ensemble Credits 1
Students rehearse and perform chamber music for various instrumental combinations. Performances may take place on and off campus. Formerly MUSE 643 Notes: This course is crosslisted with MUSE 443. Credit at the 500-level requires additional work. Prerequisites: Audition and instructor consent required.

MUSE 544 - Clarinet Choir Credits 1
Students rehearse and perform chamber music for various instrumental combinations. Performances may take place on and off campus. Formerly MUSE 644 Notes: This course is crosslisted with MUSE 444. Credit at the 500-level requires additional work. Prerequisites: Audition and instructor consent required.

MUSE 546 - Brass Ensemble Credits 1
Students rehearse and perform chamber music for various instrumental combinations. Performances may take place on and off campus. Formerly MUSE 646 Notes: This course is crosslisted with MUSE 446. Credit at the 500-level requires additional work. Prerequisites: Audition and instructor consent required.

MUSE 551 - String Chamber Ensemble Credits 1
Students rehearse and perform chamber music for various instrumental combinations. Performances may take place on and off campus. Formerly MUSE 651 Notes: This course is crosslisted with MUSE 451. Credit at the 500-level requires additional work.

MUSE 553 - Guitar Ensemble Credits 1

Students rehearse and perform chamber music for various instrumental combinations. Performances may take place on and off campus. Formerly MUSE 653 Notes: This course is crosslisted with MUSE 453. Credit at the 500-level requires additional work. Prerequisites: Audition and instructor consent required.

MUSE 561 - Percussion Ensemble Credits 1

Students rehearse and perform chamber music for various instrumental combinations. Performances may take place on and off campus. Formerly MUSE 661 Notes: This course is crosslisted with MUSE 461. Credit at the 500-level requires additional work. Prerequisites: Audition and instructor consent required.

MUSE 562 - Marimba Band Credits 1

Students rehearse and perform chamber music for various instrumental combinations. Performances may take place on and off campus. Formerly MUSE 662 Notes: This course is crosslisted with MUSE 462. Credit at the 500-level requires additional work. Prerequisites: Audition and instructor consent required.

MUSE 565 - Steel Drum Band Credits 1

The UNLV Steel Band performs music of many genres predominantly the music indigenous to Jamaica and Trinidad. Students will develop the ability and skills to play a variety of steel pans, percussion instruments and drum set. Formerly MUSE 665 Notes: This course is crosslisted with MUSE 465. Credit at the 500-level requires additional work.

MUSE 566 - Hand Drum Ensemble Credits 1

Art of playing a variety of hand drums from around the world. Students exposed to authentic patterns, techniques and the general drum circle experience. Beginning and advanced ensembles accommodate the needs of all participants. Notes: May be repeated to a maximum of 10 credits.

MUSE 571 - Piano Ensemble Credits 1

Students rehearse and perform chamber music for various instrumental combinations. Performances may take place on and off campus. Formerly MUSE 671 Notes: This course is crosslisted with MUSE 471. Credit at the 500-level requires additional work. Prerequisites: Audition and instructor consent required.

MUSE 572 - Accompanying Credits 1

Develops skills needed in vocal and instrumental accompanying. Fulfills 1 credit of ensemble requirement for piano majors. Formerly MUSE 672 Notes: This course is crosslisted with MUSE 472. Credit at the 500-level requires additional work. Prerequisites: Intermediate piano skills or consent of instructor.

MUSE 577 - Orff Ensemble Credits 1

Analysis of the compositional techniques of Carl Orff and Gunild Keetman through active participation and playing in ensembles comprised of voice, body percussion, tuned and non-tuned percussion and recorder. Notes: This course is crosslisted with MUSE 377. Credit at the 500-level requires additional work.

MUSE 580 - Opera Production Credits 1

Involvement as a performer or production assistant in an opera/operetta production. Formerly MUSE 680 Notes: This course is crosslisted with MUSE 480. Credit at the 500-level requires additional work. Prerequisites: Successful audition.

MUSE 590 - Special Ensemble Credits 1

Students rehearse and perform chamber music for various instrumental combinations. Performances may take place on and off campus. Formerly MUSE 690 Notes: This course is crosslisted with MUSE 490. Credit at the 500-level requires additional work. Prerequisites: Audition and instructor consent required.

MUSE 594 - Collegium Credits 1

Study, performance, and researching of early and rarely performed music of historical importance, including new and unperformed works. Performances prepared for both university and public presentation. Open to qualified personnel by audition and consent of instructor. The Collegium determines its own procedural policies. (A) Madrigal singers (B) Early Music Consort. Formerly MUSE 694 Notes: This course is crosslisted with MUSE 494. Credit at the 500-level requires additional work. Prerequisites: Audition and consent of instructor.

MUSE 595 - Chamber Players Credits 1

Teaching and performance of contemporary music, with special emphasis on the historic approach to the many styles that have developed from early twentieth century to the present time. Also involves the learning and proper execution of various new notational styles. Formerly MUSE 695 Notes: This course is crosslisted with MUSE 495. Credit at the 500-level requires additional work.

MUSE 619 - Brass Band Credits 1

Ensemble designed to rehearse and concertize literature composed/transcribed for large brass ensemble and percussion. Required participation in scheduled appearances for various events on and off campus. Notes: Credit at the 500 level normally requires additional work. Prerequisites: Consent of instructor.

MUSE 622 - Chamber Orchestra Credits 1

Small orchestral ensemble with an emphasis on developing chamber music skills and rehearsal techniques. Repertoire ranges from the early Baroque to the present day. May be repeated for a maximum of eight credits. Notes: May be repeated to a maximum of four credits. This course is crosslisted with MUSE 422. Credit at the 600-level requires additional work. Grading Letter grade

MUSE 694B - Collegium: Early Music Consort Credits 1

Study, performance, and researching of early and rarely performed music of historical importance, including new and unperformed works. Performances prepared for both university and public presentation. Open to qualified personnel by audition and consent of instructor. The Collegium determines its own procedural policies. Early Music Consort. Notes: This course is crosslisted with MUSE 494B. Credit at the 600-level requires additional work. Grading Letter grade

Theatre

The Department of Theatre provides cultural enrichment for the university and community through the university theatre season.

Norma Saldivar, Chair

Nate Bynum, Graduate Coordinator

Theatre Faculty

Chair, Graduate Coordinator

Saldivar, Norma - Full Graduate Faculty

Professor; B.F.A., Illinois Wesleyan University; M.F.A., University of Illinois. Rebel since 2017.

Graduate Faculty

Bynum, Joe Nathan - Full Graduate Faculty

Professor; B.S., Bowie State College; M.F.A., Southern Illinois University. Rebel since 1999.

Framer, Brackley - Full Graduate Faculty

Professor; B.A., New England College; M.F.A., Yale School of Drama. Rebel since 1995.

Gilyard, Clarence - Full Graduate Faculty

Associate Professor; B.A., California State University, Dominguez Hills; M.F.A., Southern Methodist University. Rebel since 2006.

Hubbard, Philip J. - Full Graduate Faculty

Professor; B.A., University of California, Riverside; M.F.A., Southern Methodist University. Rebel since 1999.

Lugering, Michael - Full Graduate Faculty

Professor; B.S., Florida State University; M.F.A., University of Utah. Rebel since 1991.

Mellen, Kymberly - Full Graduate Faculty

Professor; B.F.A., Brigham Young University, M.F.A., The Theatre School at DePaul University; M.A., Arts Management, Southern Utah University. Rebel since 2019.

McDonough, Ann - Full Graduate Faculty

Professor; B.A., College of St. Catherine; M.A., Ph.D., University of Minnesota. Rebel since 1990.

Ryerson, Judith A. - Full Graduate Faculty

Associate Professor; B.F.A., West Virginia University, M.F.A., University of Utah. Rebel since 2005.

Sumpter, Shannon - Full Graduate Faculty

Associate Professor; B.F.A., Adelphi University; M.F.A., Yale School of Drama. Rebel since 1999.

Tylo, Michael - Full Graduate Faculty

Adjunct Faculty; B.F.A., M.F.A., Wayne State University. Rebel since 2006.

Williams, Dana Moran - Full Graduate Faculty

B.A., Whitman College, M.F.A., New York University. Rebel since 2009.

Professors Emeriti

Aldridge, Joe - Full Graduate Faculty

Emeritus Professor; B.A., Texas Tech University; M.A., University of Nevada, Las Vegas. Rebel since 1989.

Burgan, Robert N. - Full Graduate Faculty

Emeritus Professor; B.A., University of Nevada, Las Vegas, M.F.A., Ohio University. UNLV Emeritus 1972.

Koep, Jeffrey - Full Graduate Faculty

Emeritus Professor, College of Fine Arts; B.A., Moorhead State University; M.A., Bowling Green State University; Ph.D., Washington State University. Rebel since 1989.

Plans

428 Graduate Catalog • College of Fine Arts

Master of Arts - Theatre

Master of Fine Arts – Theatre

Master of Arts - Theatre

Plan Description

The theatre department's Master of Arts program is designed to deepen the student's knowledge and understanding of the theatre. Focus is on developing strong research skills culminating in completion of a thesis and reading list. A minimum of 31 semester hours of credit (12 are electives) approved by student's advisor and student's committee are required.

For more information about your program, including your graduate program handbook and learning outcomes, please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.

Students seeking an M.A. degree are admitted for matriculation in the fall or spring semester of the academic year. In addition to the general requirements for admission to the Graduate College, the following department application materials must be uploaded into the online application:

1. Transcripts from all postsecondary institutions attended, showing an undergraduate degree in theatre and the date awarded. (An acceptable alternative undergraduate major coupled with satisfactory practical experience in theatre may be deemed equivalent to an undergraduate major in theatre.)
2. A written statement (500 words or less) of the applicant's purpose in pursuing graduate study.
3. A sample research paper or research statement to demonstrate research and writing ability.
4. Two letters of recommendation sent by former instructors, employers, or other professionals who can evaluate the applicant's potential to complete graduate study.

Note: A writing sample and/or a personal interview may also be requested by the department's Graduate Coordinator.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

Total Credits Required: 31

Course Requirements

Required Courses – Credits: 9

- THTR 681 - Theatre History I
- THTR 682 - Theatre History II
- THTR 701 - Research in Theatre and Drama

Seminar Course – Credits: 4

- THTR 702 - Graduate Seminar

Elective Courses – Credits: 12

Complete 12 credits of advisor-approved graduate-level elective courses.

Thesis – Credits: 6

- THTR 798 - Thesis

Degree Requirements

1. Completion of a minimum of 31 credit hours with a minimum GPA of 3.00.
2. A reading list will be given to each student upon entering the program. It contains major works in theatre history, performance theory, and dramatic criticism and play texts. It is expected that M.A. students will have read everything on the list and be prepared to answer questions of comprehension as part of their final examination.
3. In consultation with his/her advisor, a student will organize a thesis committee of at least three departmental members. In addition, a fourth member from outside the department, known as the Graduate College Representative, must be appointed. An additional committee member may be added at the student and department's discretion. Please see Graduate College policy for committee appointment guidelines.
4. A thesis topic is proposed by the student and approved by the examination committee. The M.A. thesis should be an original contribution of knowledge about a suitable dramatic or theatrical subject, no less than fifty pages in length. In matters of form and style, the student should follow the procedures set forth by the Graduate College in this catalog and in its Thesis and Dissertation Manual. A minimum of six thesis credits is required in the degree program.
5. Thesis credits should be taken over the course of at least two semesters with a minimum of two credit hours in the student's final semester of study.
6. Students enrolled in the M.A. program will take a written diagnostic examination at the beginning of their first semester. Additionally, M.A. candidates will take a written comprehensive examination one week prior to their oral examination. The first half of the

oral examination will be focused on defense of thesis; the second half will be based upon the Graduate Reading List, the curricular content represented in the student's individual course of study, and the results of their comprehensive examination.

Plan Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation from both degrees up to two semesters prior to completing his/her degree requirements.
2. The student must submit and successfully defend his/her thesis by the posted deadline. The defense must be advertised and is open to the public.
3. After the thesis defense, the student must electronically submit a properly formatted pdf copy of their thesis to the Graduate College for format check. Once the thesis format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for thesis defenses, format check submissions, and the final ProQuest submission can be found here.

Master of Fine Arts - Theatre

Plan Description

The Master of Fine Arts is a three-year program offering advanced tracks in Costume, Lighting, Scenic, Technical Direction, Performance, and Stage Management. Actors, designers, stage managers, and technicians receive comprehensive and specialized training in preparation for careers in the professional theatre and the broader entertainment industry. While deeply committed to the individual theatre artist, the program fosters and encourages an integrated and collaborative approach to theatre. Graduate students are provided opportunities through the department's Nevada Conservatory Theatre to work alongside national and international theatre professionals in all disciplines. Courses in related areas of study such as entertainment engineering and design, dance, music, film and/or other disciplines approved by track advisors are encouraged for graduate students to meet the ever expanding expectations of the entertainment industry.

For more information about your program, including your graduate program handbook and learning outcomes please visit the Degrees Directory.

Learning outcomes for specific subplan tracks can be found below:

Master of Fine Arts - Theatre; Design/Technology Tracks
Master of Fine Arts - Theatre; Performance Track
Master of Fine Arts - Theatre; Stage Management Track

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.

In addition to the general requirements for admission to the Graduate College, the following department application materials must be uploaded into the online application:

Transcripts from all postsecondary institutions attended, showing an undergraduate degree in theatre and the date awarded. (An acceptable alternative undergraduate major coupled with satisfactory practical experience in theatre may be deemed equivalent to an undergraduate major in theatre.)

A written statement (500 words or less) of the applicant's purpose in pursuing graduate study.

Two letters of recommendation sent by former instructors, employers, or other professionals who can evaluate the applicant's potential to complete graduate study.

Design and Technology Tracks: Costume, Lighting, Scenic, and Technical Direction

In addition to general materials requested by the Department of Theatre, students must submit a portfolio for consideration by the respective Faculty and Staff. It should outline their creative process as well as catalogue their creative ideas and experience. Applicants are strongly encouraged to visit the campus for an onsite interview.

Performance Track

In addition to general materials requested by the Department of Theatre (see above), students must audition either in person or through submission of a video. The audition should contain the following:

Two contrasting selections, one of which must be classical (pre-18th Century) and in verse. The total audition should not exceed four minutes in length.

A song selected from a Broadway musical not to exceed one minute in length. If the audition is in person, the song should be performed a cappella as no accompaniment will be provided. Video submissions may include accompaniment.

The M.F.A. in Performance Track admits a new class every three years.

Stage Management Track:

In addition to general materials requested by the Department of Theatre (see above), submit electronically several pages from a sample prompt script and other paperwork generated as a stage manager. An interview with Stage Management faculty will be scheduled after

application materials have been received.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Upon acceptance, each M.F.A. candidate will be assessed to determine skill level and training in specific track competencies as well as theatre history, dramatic literature, and theories of performance and/or production. Candidates may be required to enroll in courses that remedy deficiencies, enhance academic readiness and augment skill acquisition. Students with deficiencies in theatre history will be required to take THTR 681 and THTR 682 (Theatre History I and II) in lieu of 6 elective credits.

Plan Requirements

See specific subplan requirements below:

Design and Technology Tracks:

Subplan 1: Costume Design

Subplan 2: Lighting Design

Subplan 3: Scenic Design

Subplan 4: Technical Direction

Performance Track:

Subplan 5: Performance

Stage Management Track:

Subplan 6: Stage Management

Subplan 1 Requirements: Costume Design

Total Credits Required: 60

Required Courses - Total Credits: 45

Scholarly Studies - Credits: 9

Complete the following course, or other advisor-approved courses.

- THTR 702 - Graduate Seminar

Complete 6 credits from the following courses.

- THTR 661 - Play Structure and Analysis
- THTR 701 - Research in Theatre and Drama
- THTR 719 - Dramaturgy

Emphasis Specific Studies - Credits: 36

Design Studios - Credits: 18

All of these or other advisor-approved courses.

- THTR 741 - Costume Design Studio I
- THTR 742 - Costume Design Studio II
- THTR 743 - Costume Design Studio III

Advanced Skills - Credits: 9

Complete 9 credits of the following, or other advisor-

approved courses.

- THTR 601 - Special Topics: Advanced Costume Design II

Drawing/Rendering - Credits: 3

The following or other advisor-approved course.

- THTR 610 - Life Drawing for Stage and Screen

Focused Studies - Credits: 6

Select from the following or other advisor-approved courses.

- THTR 795 - Supervised Individual Study
- THTR 796 - Internship

Elective Courses - Credits: 12

Complete 12 credits of advisor-approved courses. Each emphasis offers a list of suggested Elective courses related to the emphasis or that enhance liberal arts studies. Recommended areas of study may include Art, Art History, Architecture, Dance, Engineering, English, Film, History, Hospitality, Languages, Literature, Management, Safety, Stage Technology, Structures, Television, Journalism, or other courses with Advisor's approval.

Creative Project - Credits: 3

Complete the following or other advisor-approved course.

- THTR 797 - Creative Project

Subplan 2 Requirements: Lighting Design

Total Credits Required: 60

Required Courses - Total Credits: 42

Scholarly Studies - Credits: 9

Complete the following course, or other advisor-approved courses.

- THTR 702 - Graduate Seminar

Complete 6 credits from the following courses.

- THTR 661 - Play Structure and Analysis
- THTR 701 - Research in Theatre and Drama
- THTR 719 - Dramaturgy

Emphasis Specific Studies - Credits: 33

Design Studios - Credits: 18

All of these, or other advisor-approved courses.

- THTR 745 - Lighting Design Studio I
- THTR 746 - Lighting Design Studio II
- THTR 747 - Lighting Design Studio III

Drafting/Rendering - Credits: 6

Select two of the following or other advisor-approved courses.

- THTR 606A - Computer Drafting & Rendering: AutoCAD
- THTR 606B - Computer Drafting & Rendering: VectorWorks
- THTR 606C - Computer Drafting & Rendering: Digital Rendering

Focused Studies - Credits: 9

Select from the following or other advisor-approved courses.

- THTR 795 - Supervised Individual Study
- THTR 796 - Internship

Elective Courses - Credits: 12

Complete 12 credits of advisor-approved courses. Each emphasis offers a list of suggested Elective courses related to the emphasis or that enhance liberal arts studies. Recommended areas of study may include Art, Art History, Architecture, Dance, Engineering, English, Film, History, Hospitality, Languages, Literature, Management, Safety, Stage Technology, Structures, Television, Journalism, or other courses with Advisor's approval.

Creative Project - Credits: 6

Complete the following, or other advisor-approved course.

- THTR 797 - Creative Project

Subplan 3 Requirements: Scenic Design

Total Credits Required: 60

Required Courses - Total Credits: 42

Scholarly Studies - Credits: 9

Complete the following course, or other advisor-approved courses.

- THTR 702 - Graduate Seminar

Complete 6 credits from the following courses.

- THTR 661 - Play Structure and Analysis
- THTR 701 - Research in Theatre and Drama
- THTR 719 - Dramaturgy

Emphasis Specific Studies - Credits: 33

Design Studios - Credits: 18

All of these or other advisor-approved courses.

- THTR 727 - Scene Design Studio I
- THTR 728 - Scene Design Studio II
- THTR 729 - Scene Design Studio II

Drawing/Drafting - Credits: 9

The following or other advisor-approved course.

- THTR 610 - Life Drawing for Stage and Screen

Select two of the following.

- THTR 606A - Computer Drafting & Rendering: AutoCAD
- THTR 606B - Computer Drafting & Rendering: VectorWorks
- THTR 606C - Computer Drafting & Rendering: Digital Rendering

Focused Studies - Credits: 6

Select from the following or other advisor-approved courses.

- THTR 795 - Supervised Individual Study
- THTR 796 - Internship

Elective Courses - Credits: 12

Complete 12 credits of advisor-approved courses. Each emphasis offers a list of suggested Elective courses related to the emphasis or that enhance liberal arts studies. Recommended areas of study may include Art, Art History, Architecture, Dance, Engineering, English, Film, History, Hospitality, Languages, Literature, Management, Safety, Stage Technology, Structures, Television, Journalism, or other courses with Advisor's approval.

Creative Project - Credits: 6

Complete the following or other advisor-approved course.

- THTR 797 - Creative Project

Subplan 4 Requirements: Technical Direction

Total Credits Required: 60

Required Courses - Total Credits: 42

Scholarly Studies - Credits: 9

Complete the following course, or other advisor-approved courses.

- THTR 702 - Graduate Seminar

Complete 6 credits from the following courses.

- THTR 661 - Play Structure and Analysis
- THTR 701 - Research in Theatre and Drama
- THTR 719 - Dramaturgy

Emphasis Specific Studies - Credits: 33

Technical Direction Studios - Credits: 18

All of these or other advisor-approved courses.

- THTR 732 - Technical Direction Studio I
- THTR 733 - Technical Direction Studio II
- THTR 734 - Technical Direction Studio III

Management Studies - Credits: 3

Complete the following or other advisor-approved course.

- THTR 638 - Production Management

Drafting/Rendering - Credits: 6

Select two of the following or other advisor-approved courses.

- THTR 606A - Computer Drafting & Rendering: AutoCAD
- THTR 606B - Computer Drafting & Rendering: VectorWorks
- THTR 606C - Computer Drafting & Rendering: Digital Rendering

Focused Studies - Credits: 6

Select from the following or other advisor-approved courses.

- THTR 795 - Supervised Individual Study
- THTR 796 - Internship

Elective Courses - Credits: 12

Complete 12 credits of advisor-approved courses. Each emphasis offers a list of suggested Elective courses related to the emphasis or that enhance liberal arts studies. Recommended areas of study may include Art, Art History, Architecture, Dance, Engineering, English, Film, History, Hospitality, Languages, Literature, Management, Safety, Stage Technology, Structures, Television, Journalism, or other courses with Advisor's approval.

Creative Project - Credits: 6

Complete the following, or other advisor-approved course.

- THTR 797 - Creative Project

Subplan 5 Requirements: Performance

Total Credits Required: 60

Required Courses - Total Credits: 53

Scholarly Studies – Credits: 9

Complete the following course, or other advisor-approved courses.

- THTR 702 - Graduate Seminar

Complete 6 credits from the following courses.

- THTR 661 - Play Structure and Analysis
- THTR 701 - Research in Theatre and Drama
- THTR 719 - Dramaturgy

Acting Technique – Credits: 8

Complete 8 credits of the following course, or other advisor-approved courses.

- THTR 771 - Acting Studio

Scene Study Studio – Credits: 8

Complete 8 credits of the following course, or other

advisor-approved courses.

- THTR 773 - Scene Study

Voice and Movement Laboratory – Credits: 8

Complete 8 credits of the following course, or other advisor-approved courses.

- THTR 775 - Sound and Movement Studio

Movement Studio – Credits: 6

Complete 6 credits of the following course, or other advisor-approved courses.

- THTR 777 - Movement for the Actor

Speech Studio – Credits: 4

Complete 4 credits of the following course, or other advisor-approved courses.

- THTR 779 - Speech for the Actor

Audition Preparation – Credits: 2

Complete 2 credits of following course, or another advisor-approved course.

- THTR 763 - Audition Technique

Accent/Dialect Laboratory – Credits: 2

Complete 2 credits of the following course, or another advisor-approved course.

- THTR 764 - Accents & Dialects for the Actor

Focused Studies - Credits: 6

Select from the following, or other advisor-approved courses.

- THTR 795 - Supervised Individual Study
- THTR 796 - Internship

Elective Courses – Credits: 6

Complete 6 credits of advisor-approved courses. A list of suggested Elective courses related to the area or that enhance liberal arts studies will be provided. Recommended areas of study may include Art, Art History, Dance, Film, History, Literature, Music or other courses with Advisor's approval.

Creative Project - Credits: 1

Complete the following, or other advisor-approved course.

- THTR 797 - Creative Project

Subplan 6 Requirements: Stage Management

Total Credits Required: 60

Required Courses - Total Credits: 45

Scholarly Studies – Credits: 9

Complete the following course, or other advisor-approved courses.

- THTR 702 - Graduate Seminar

Complete 6 credits from the following courses.

- THTR 661 - Play Structure and Analysis
- THTR 701 - Research in Theatre and Drama
- THTR 719 - Dramaturgy

Stage Management Studio – Credits: 15

Studio courses include production assignments that enhance practical skills.

Complete 6 credits of the following course, or other advisor-approved courses.

- THTR 736 - Stage Management Studio I

Complete 9 credits of the following course, or other advisor-approved courses.

- THTR 737 - Stage Management Studio II

Management Studies – Credits: 9

Complete the following courses, or other advisor-approved courses.

- THTR 636 - Rehearsal Management
- THTR 637 - Theatre Management
- THTR 638 - Production Management

Entertainment and Fine Art Law – Credits: 6

Complete the following courses, or other advisor-approved courses.

- THTR 621A - Entertainment & Fine Art Law I
- THTR 621B - Entertainment & Fine Art Law II

Focused Studies - Credits: 6

Select from the following or other advisor-approved courses.

- THTR 795 - Supervised Individual Study
- THTR 796 - Internship

Elective Courses – Credits: 12

Complete 12 credits of advisor-approved courses. A list of suggested Elective courses related to the area or that enhance liberal arts studies will be provided. Recommended areas of study include dramatic literature, communications, hospitality, film or other theatre courses as approved by advisor.

Creative Project – Credits: 3

Complete the following, or other advisor-approved course.

- THTR 797 - Creative Project

Plan Degree Requirements

READING LIST:

A reading list will be given to each student upon acceptance to the program. This reading list will focus on studies in both general theatre and the student's track or emphasis. The list may include works in: theatre history,

performance theory, period design and production history, dramatic criticism and dramatic literature. It is expected that the student will read all materials on the list and be prepared to answer questions of comprehension as part of the final defense / examination.

PRODUCTION REQUIREMENT:

Graduate students will participate in productions in all semesters as part of curricular requirements. Students are assigned roles in production by the Faculty with emphasis on advancing and challenging the skills of each candidate and developing their collaborative process. Performance graduates must audition and accept casting in all Nevada Conservatory Theatre productions and participate in film production assignments as cast. Design/Technology and Stage Management students will complete design assignments, managerial positions or stewardships in a variety of venues, styles, and areas. It is expected that students will accumulate a variety of diverse experiences in production / performance that add to and refine their resume and portfolio, preparing them for the rigors of professional theatre, film, and related fields. All designated assignments are considered extensions of studio and classroom learning progress and skill acquisition.

REGULAR ASSESSMENT:

The candidacy of all M.F.A.'s in Theatre is provisional subject to regular assessment. Students will be provided milestones to meet in each semester of study. Progress assessments of each candidate will be made by the Faculty of the track and shared with the student at the conclusion of each academic semester.

RETENTION AND PROGRESSION:

If regular assessment determines that a student's progress and performance is not satisfactory, the student will be given a formal warning of dismissal and placed on academic probation. The student will be presented with probationary conditions and a plan for improvement that must be accomplished by the end of the following semester. If, at the next semester review, the Advisor, Faculty of the track, and the Graduate Coordinator determine that the student has not met the probationary conditions, there may be a recommendation for dismissal or separation from the program.

CAUSES for PROBATION:

In accordance with the Graduate School, the following are cause for probation and/or dismissal from the program:

- failure to earn a minimum degree GPA of 3.0; unsatisfactory grades (including more than two incompletes, grades C or less, or repeated withdrawals from courses required for the degree program);
- failure to complete six (6) graduate credits per rolling three semesters (including summer) toward their program in order to meet UNLV enrollment requirements;

- failure to consult with their Advisor when requested;
- failure to establish a graduate Advisory Committee when required;
- failure to consult with graduate Advisory Committee when requested;
- failure to develop and submit an official, approved degree program;
- failure to establish the groundwork for an acceptable thesis, dissertation or culminating experience, and successfully defend the prospectus;
- failure of required comprehensive and/or qualifying examinations;
- failure to meet a department milestone or to pass the culminating experience; and
- failure to successfully defend a thesis, dissertation or culminating experience.

In addition to the above, in the Department of Theatre professionalism is essential to all aspects of theatrical production. The following are cause for probation and /or dismissal from the program:

- unprofessional conduct in the execution of production assignments and/or graduate assistant assignments, exhibiting attitudes, values and/or behaviors that are inconsistent with the collaborative teamwork required in a producing theatre environment;
- disrespect or unacceptable behavior toward faculty, guest artists, staff and/or students that undermines the teaching and production processes;
- inability to adequately handle the demands of a creative environment where deadlines and results matter, including, but not limited to: consistently not meeting deadlines in academic, rehearsal, design or shop settings; consistently being unable to manage personal difficulties so as not to interfere with the ability to meet academic and production responsibilities;
- displaying an inability to engage in a professional mentoring relationship with undergraduates in rehearsal/lab/shop environments; an inability to appropriately respond to supervision; an inability to engage in self-observation and reflection; and an inability to accept constructive criticism;
- abuse of non-prescription or prescribed substances;
- engaging in criminal behavior that has or could result in a felony conviction; or
- violation of provisions of the University Student Code of Conduct.

TERMINATION OF CANDIDACY:

Not meeting probationary conditions will result in termination. Continuation in the M.F.A. program is determined by the Faculty Advisor, Faculty of the track,

the Graduate Coordinator, and the Chair.

Plan Graduation Requirements

CREDIT REQUIREMENTS:

Candidate must complete a minimum of 60 credit hours with a minimum GPA of 3.00.

FINAL DEFENSE / EXAMINATION:

All M.F.A. candidates will complete a final defense or examination reviewed by the student's Advisor or Advisory Committee, as appropriate. A candidate who successfully completes a final defense/examination will submit all appropriate paperwork to the Graduate College for graduation. A candidate who is unsuccessful in their final defense/examination will be presented conditions by the Advisor or Advisory Committee, as appropriate, to meet satisfactory expectations for completion of the defense process. If the candidate is unable to meet the conditions for completion, the student will be terminated from the program and will not proceed to graduation.

APPLY FOR GRADUATION:

The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing degree requirements.

Theatre Courses

THTR 601 - Special Topics: Advanced Costume Design II **Credits 3**

Advanced exploration of costume design and construction related topics that may include fashion history, design for TV and film, design for twenty first century entertainments, and commercial costume applications. Notes: May be repeated to a maximum of nine credits.

THTR 604 - Advanced Theatre Technology Credits 3

Theory and practice of advanced scenery construction techniques that may include stage properties design and construction, theatrical rigging, and advanced woodworking. Grading Letter grade Prerequisites: Admission into the MFA Theatre program

THTR 605 - Career Development and Portfolio Preparation for Theatre Credits 3

The art and organization of becoming a theater professional. Topics include professional ethics, collaborative communication, branding and self marketing, visual and oral communication networking, and portfolio development through the development of marketing and portfolio materials. Notes: This course is crosslisted with THTR 405. Credit at the 600-level requires additional work. Prerequisites: Admission into the MFA Theatre program

THTR 606A - Computer Drafting & Rendering: AutoCAD **Credits 3**

A step by step process of building an understanding of a standard drafting system called AutoCAD, from learning the industry language as well as the processes of drafting. Notes: This course is crosslisted with THTR 406A. Credit at the 600-level requires additional work. Grading Letter grade Prerequisites: Admission into the MFA Theatre program

THTR 606B - Computer Drafting & Rendering: VectorWorks Credits 3

A step by step process of building an understanding of a standard drafting system called VectorWorks, from learning the industry language as well as the processes of drafting. Notes: This course is crosslisted with THTR 406B. Credit at the 600-level requires additional work. Grading Letter grade Prerequisites: Admission into the MFA Theatre program

THTR 606C - Computer Drafting & Rendering: Digital Rendering Credits 3

Exploration of various computer software programs to effectively communicate research, design, and conceptual ideas as the foundation of collaborative communication as a production designer. Notes: This course is crosslisted with THTR 406C. Credit at the 600-level requires additional work. Grading Letter grade Prerequisites: Admission into the MFA Theatre program

THTR 607 - Sound Design: Theory and Practice Credits 3

Art of sound design developed through lectures, weekly projects, demonstrations, and production involvement. Formerly THTR 735 Notes: Cross-listed with THTR 407. May be repeated to a maximum of six credits. Grading Letter Grade.

THTR 609 - Scene Painting Studio Credits 3

Through study, practical application and experimentation, and research, study will be in the tools and techniques used by scenic artists to complete a scenic design. Notes: This course is crosslisted with THTR 409. Credit at the 600-level requires additional work. Grading Letter grade Prerequisites: Admission into the MFA Theatre program

THTR 610 - Life Drawing for Stage and Screen Credits 3

Develops skills of drawing anatomy and the human form in an environment, through observation, and fundamental exercises in gesture, contour, outline, and tonal modeling; and the study of basic perspective. Same as THTR 410. Grading Letter Grade. Prerequisites: Graduate Standing in the Theatre Department

THTR 621A - Entertainment & Fine Art Law I Credits 3

Protection of works created by entertainers and artists, including American and European copyright protection and the unique state and federal statutory rights possessed by performers and artists such as the rights of publicity and issues of resale royalties. Special consideration to film and music industries. Notes: This course is crosslisted with THTR 421A. Credit at the 600-level requires additional work.

THTR 621B - Entertainment & Fine Art Law II Credits 3

Unique legal issues in the fields of live stage performance, theatre, music, television and film, the art gallery and museum relationships, including legal and social censorship, First Amendment protection, state and federal obscenity statutes, and contract problems. Notes: This course is crosslisted with THTR 421B. Credit at the 600-level requires additional work.

THTR 636 - Rehearsal Management Credits 3

Examination of the Unions encountered in theatrical venues to develop a familiarity with the rehearsal and work-related rules encountered.

THTR 637 - Theatre Management Credits 3

Focuses on the relationship between the art and business of theatre, exploring "front of house" positions such as general managers, business managers, box office managers, publicity and development directors. Formerly THTR 739 Prerequisites: Graduate standing.

THTR 638 - Production Management Credits 3

Examines the responsibilities of production managers. Focuses on organizational skills, dissemination of information and collaborative relationship that a production manager must foster with design, technical, and performance staff. Formerly THTR 740 Prerequisites: Graduate standing.

THTR 654 - Directing I Credits 3

Introduction to the basic principles and techniques of play direction. Notes: This course is crosslisted with THTR 454. Credit at the 600-level requires additional work.

THTR 661 - Play Structure and Analysis Credits 3

Study in script analysis including form, style, literal and metaphorical content and themes. Notes: This course is crosslisted with THTR 461. Credit at the 600-level requires additional work.

THTR 675 - Musical Theatre Literature Credits 3

Study of selected plays of the American and European musical theatre. Notes: This course is crosslisted with THTR 475. Credit at the 600-level requires additional work.

THTR 681 - Theatre History I Credits 3

Study of theatre within the political and social context of Western Europe from Classical Greece to the mid-nineteenth century. Representative plays read and discussed. Notes: This course is crosslisted with THTR 481. Credit at the 600-level requires additional work.

THTR 682 - Theatre History II Credits 3

Study of the evolution of theatre within the cultural, political, and social context of Europe, United States, Africa, and South America from the beginnings of realism to the present. Representative plays discussed. Notes: This course is crosslisted with THTR 482. Credit at the 600-level requires additional work

THTR 683 - Research in Period Styles and Aesthetics for Stage and Screen Credits 33

Exploration of the global, cultural, and social history of the styles and trends in architecture, fashion and decorative arts as they are researched and applied to stage and screen design. Notes: This course is crosslisted with THTR 483. Credit at the 600-level requires additional work. Grading Letter grade Prerequisites: Admission into the MFA Theatre program

THTR 701 - Research in Theatre and Drama Credits 3

Graduate research methodology, research reporting and research/creative thesis document preparation.

THTR 702 - Graduate Seminar Credits 3

Interdisciplinary course in history, theory, criticism, dramaturgy, aesthetics and technique. Through selected readings, lectures, discussions and collaborative projects, actors, directors, designers, playwrights, stage managers and theatre scholars explore the essential theatre. Topics rotate each semester. Course required for all M.A. and M.F.A. Students. Notes: May be repeated to a maximum of nine credits. Prerequisites: Graduate standing.

THTR 703 - Collaborative Process Credits 3

Explores the working relationships between designer, director, and technician in the process of play production. Notes: May be repeated for a maximum of six credits.

THTR 707 - Form, Style and Structure Credits 3

Study of the theatre text, classical to modern, explicating form, style and structure.

THTR 711 - Playwrights Master Class Credits 3

Advanced writing class for second and third year playwrights. Notes: May be repeated to a maximum of twelve credits. Prerequisites: Consent of instructor.

THTR 713 - Playwriting: Credits 3

The One-Act Play Practical course in the writing of shorter dramatic forms, focusing on craft, structure and technique. Prerequisites: Consent of instructor.

THTR 714 - Playwriting: Credits 3

The Full Length Play Practical course in the writing of long dramatic forms, focusing on craft, structure and technique. Prerequisites: Consent of instructor.

THTR 716 - Playwrights Laboratory Credits 3

Explores the collaborative role of the playwright during the rehearsal process of a new play with actors, directors, and dramaturg. Prerequisites: Consent of instructor.

THTR 717 - Playwrights Tutorial Credits 1 – 4

Meetings with individual members of the faculty and with guest artists for discussion of successive drafts of work in progress. Prerequisites: Consent of instructor.

THTR 719 - Dramaturgy Credits 3

Overview of the history, form and function of dramaturgy. Provides active experience in dramaturgy, on a variety of drama from the classic play to new works. Collaborative relationships among director, playwright, and dramaturg explored. Prerequisites: Graduate standing.

THTR 720 - Playwrights Workshop Credits 1 – 5

Weekly meeting of all playwrights for reading and discussion of works in progress. Prerequisites: Consent of instructor.

THTR 725 - Directing Studio Credits 3

Laboratory course in the technique and aesthetics of directing. Topics rotate each semester and may include history of directing, rehearsal techniques, script analysis, visualization, and collaboration. Specific laboratory assignments may include apprenticeships, dramaturgy, stage management as well as directing short, full-length musical and original playscripts. Notes: May be repeated to a maximum of eighteen credits. Prerequisites: Consent of instructor.

THTR 726 - Problems in Direction Credits 3

"The following course was not found in the supplied content but, were listed in program requirements. Please review and provide us, if possible, with the correct information."

THTR 727 - Scene Design Studio I Credits 3

Focuses on training the first-year graduate student in scene design. Emphasizes the essential skills of drafting, researching historical and visual sources, aesthetic judgment, concept development, and production collaboration. Student required to assist faculty and advanced designers on a minimum of three productions for the year. Prerequisites: Consent of instructor.

THTR 728 - Scene Design Studio II Credits 3 – 6

Focuses on training the second-year graduate student in scene design. Develops skills in rendering, model making, and refines skills through assignment as designer on a minimum of two department productions for the year. Notes: May be repeated to a maximum of nine credits. Prerequisites: THTR 727

THTR 729 - Scene Design Studio II Credits 3 – 6

Focuses on the graduate student's last year of development. Provides the student with the opportunity to demonstrate the mastering of the professionalism needed to practice the art of scene design. Student required to design a minimum of two productions for the year. Notes: May be repeated to a maximum of nine credits. Prerequisites: THTR 728

THTR 732 - Technical Direction Studio I Credits 3 – 6

Trains the first-year graduate student in technical direction. Emphasizes the essentials skills of drafting, CAD, researching historical and visual sources, aesthetic judgement, concept development and production collaboration. Student required to assist faculty and advanced technical direction students on a minimum of two productions for the year. Notes: May be repeated to a maximum of twelve credits. Prerequisites: Consent of instructor.

THTR 733 - Technical Direction Studio II Credits 3 – 6

Trains the second-year graduate student in technical direction. Develops skills in rigging safety, welding, sound, construction techniques, construction methods, estimating, and ordering materials. Student required to assist faculty and advanced technical direction students on a minimum of three productions for the academic year. Notes: May be repeated to a maximum of twelve credits. Prerequisites: THTR 732

THTR 734 - Technical Direction Studio III Credits 3 – 6

Focuses on the graduate student's last year of development. Provides student with the opportunity to demonstrate the mastering of the professionalism needed to practice the art of technical direction. Student required to serve as Technical Director for a minimum of two productions for the year. Notes: May be repeated to a maximum of twelve credits. Prerequisites: THTR 733

THTR 736 - Stage Management Studio I Credits 1 – 4

Focuses on the principles and techniques of stage management with emphasis on setting up the prompt book, dissemination of information, and the relationship with directors, actors, and staff. Also examines contracts that the stage manager works under with an emphasis on work-related rules. Stage management assignment. Notes: May be repeated to a maximum of eight credits. Prerequisites: Consent of instructor.

THTR 737 - Stage Management Studio II Credits 1 – 4

In addition to lab assignments, rotating topics may include: Production, show management, entertainment on the road, performance artist representation, career preparation. Guest speakers address working in the professional theatre. Notes: May be repeated to a maximum of 16 credits. Prerequisites: Graduate standing, THTR 736

THTR 741 - Costume Design Studio I Credits 3 – 6

Focuses on training the first-year graduate student in costume design. Emphasizes the essential skills of play analysis, historic period research, aesthetic judgment, costume rendering techniques and production collaboration. Student assists faculty and advanced graduate designers on a minimum of three productions for the year. Notes: May be repeated to a maximum of nine credits. Prerequisites: Consent of instructor.

THTR 742 - Costume Design Studio II Credits 3 – 6

Focuses on training the second-year graduate student in costume design. Emphasizes the refinement of design skills, such as plot layouts, the costume plate, and fabric. Assignment of a minimum of two department productions for the year, demonstrating practical application of the knowledge gained. Notes: May be repeated to a maximum of nine credits. Prerequisites: THTR 741

THTR 743 - Costume Design Studio III Credits 3 – 6

Focuses on the graduate student's last year of development in his/her area of specialization. In addition to further refinements in theory, technique and style, program culminates with the student demonstrating the mastery of costume design through a minimum of two fully realized assignments for the year for a substantial department production. Notes: May be repeated to a maximum of nine credits. Prerequisites: THTR 742

THTR 745 - Lighting Design Studio I Credits 3 – 6

Focuses on training the first-year graduate student in lighting design. Develops skills in concept development research, production collaboration, design, drafting and execution of the light plot for theatre and dance. Notes: May be repeated to a maximum of nine credits. Prerequisites: Consent of instructor.

THTR 746 - Lighting Design Studio II Credits 3 – 6

Focuses on training the second-year graduate student in lighting design. Further develops skills in concept development research, production collaboration, design, drafting and execution of the light plot for theatre and dance. Development through assignment on a minimum of two department productions for the year. Notes: Student required to assist faculty and advanced designers on a minimum of three productions for the year. May be repeated to a maximum of nine credits. Prerequisites: THTR 745

THTR 747 - Lighting Design Studio III Credits 3 – 6

Focuses on training the third-year graduate student in lighting design. Final year provides the student with the opportunity to demonstrate the mastering of the skills and responsibilities of a lighting designer. Student required to design a minimum of two productions for the year. Notes: May be repeated to a maximum of nine credits. Prerequisites: THTR 746

THTR 748 - Seminar in Theatre Architecture and Apparatus Credits 3

In-depth study of the architectural instrument, the theatre building. Covers the structural forms, grounding them in their historical timeline. The team-taught seminar provides a basic process for accessing and using the theatre building of the present and planning the theatre building of tomorrow. Prerequisites: Graduate standing.

THTR 763 - Audition Technique Credits 2

Preparation of a theatre audition, both musical and nonmusical. Study of theatrical unions, contracts, agents, and the legal and professional aspects of professional acting. Notes: Instructor approval.

THTR 764 - Accents & Dialects for the Actor Credits 1-3

Study and practice of dialects and accents for the stage. Prerequisites: Consent of instructor.

THTR 771 - Acting Studio Credits 1-4

Laboratory course in the practice and process of the technique, craft, and aesthetics of acting. Through a series of basic exercises and improvisational studies specialized skills in action, subtext, environment, sensory awareness, characterization, language, and script analysis are developed in the context of a variety of theatrical styles which are rotated each semester. Notes: May be repeated to a maximum of sixteen credits. Prerequisites: Consent of instructor.

THTR 773 - Scene Study Credits 1-4

Repertory course for actors and directors. Rotating scene material selected each semester from the canon of theatrical literature and may include contemporary drama, classic American realism, Shakespeare, Greek and Roman drama, Comedy of Manners, musical theatre, original scripts, Modernism, the avant garde, television & film, and performance. Notes: May be repeated to a maximum of sixteen credits. Prerequisites: Graduate status, consent of instructor.

THTR 775 - Sound and Movement Studio Credits 1-4

Integrated voice and body course designed specifically for the actor to increase strength, flexibility, range, control, placement, coordination, and efficiency. Exercises and improvisational studies are designed specifically to address the psycho-physical aspects of dramatic action and character transformation. Notes: May be repeated to a maximum of twelve credits. Prerequisites: Instructor approval.

THTR 777 - Movement for the Actor Credits 1-3

Rotating course in various movement disciplines which have practical application to the art and craft of acting. Topics may include the Alexander Technique, the Feldenkrais Method, Pilates techniques, Suzki, yoga, tai chi, weight training, aerobics, stage combat, mime, clown, circus techniques, improvisation, and movement for period style. Notes: May be repeated to a maximum of twelve credits. Prerequisites: Consent of instructor.

THTR 778 - Problems in Makeup Credits 3

Study and practical experience in the art of makeup. Notes: May be repeated to a maximum of six credits.

THTR 779 - Speech for the Actor Credits 1-4

Technical course in articulation and pronunciation for the actor. Vocal anatomy and physiology, the International Phonetic Alphabet, phrasing, linkage, syllabication, stress, and vowel length explored for clarity, efficiency, coordination, dexterity, and control in the formation of the sounds of spoken English. Notes: May be repeated to a maximum of eight credits. Prerequisites: Consent of instructor.

THTR 781 - Dance for the Actor Credits 1

Laboratory course in the technique and aesthetics of dance. Different dance forms of styles rotated each semester may include ballet, modern, jazz, tap, ballroom, and musical theatre dance.

THTR 791 - Commerce of Theatre Credits 2

Study of theatre contracts, unions, legal, management, and practical business/market concerns.

THTR 793 - Special Topics in Theatre Credits 0 – 3

Selected topics announced including master classes. Notes: May be repeated to a maximum of 10 credits.

THTR 795 - Supervised Individual Study Credits 1 – 3

Consultation course consisting of individual student effort under guidance of instructor with Students request assignment to specific areas or issues on the basis of interest and preparation. Prior to registration, the student must secure consent in writing from the instructor directing the study. May be repeated to a maximum of nine credits. Notes: Must be taken for the maximum four credit hours, but these hours should normally be spread over at least two terms. A student may not register for this course until the project supervisor has been designated and the project tentatively established. Prerequisites: Consent of instructor.

THTR 796 - Internship Credits 1 – 12

Internship at regional centers of theatre activity. Notes: May be repeated to a maximum of 12 credits. Prerequisites: Subject to M.F.A. program requirements.

THTR 797 - Creative Project Credits 1 – 12

Planning and execution of a major creative proposal as a thesis production and project. S/F grading only. Notes: May be repeated to a maximum of twelve credits. Grading Thesis Dissertation X Prerequisites: Subject to M.F.A. program requirements.

THTR 798 - Thesis Credits 1 – 6

Must be taken for a maximum of six hours, but these hours normally should be spread over at least two terms. A student may not register for this course until the thesis director has been designated and the topic tentatively established. S/F grading only. Notes: May be repeated to a maximum of six credits. Grading Thesis Dissertation X Prerequisites: Graduate standing.

Division of Health Sciences

The health issues facing our local, state, and national governments are complex, and the solutions will require research, innovation, and collaboration from individuals and agencies representing the full spectrum of health and wellness.

UNLV's Division of Health Sciences — along with other health science-related programs in the Nevada System of Higher Education — is addressing today's pressing needs and making tomorrow's discoveries.

The division is comprised of the schools of Dental Medicine, Nursing, Public Health, and Integrated Health Sciences. Guided by a mission that demands UNLV serves its community, the division is using research, education, training, and service to form unique public and private partnerships. These partnerships are helping provide quality health care to the underserved, educating future professionals, and exploring ways to improve the health and well-being our citizens. Taken together, UNLV is helping build a foundation for a healthier and more vibrant Nevada.

Schools

School of Dental Medicine

School of Integrated Health Sciences

School of Medicine

School of Nursing

School of Public Health

School of Integrated Health Sciences

The School of Integrated Health Sciences provides undergraduate and graduate education to students interested in studying one of the many different health sciences curriculums. The curricula are designed to prepare students to readily assume health-related employment opportunities or continue on with further graduate or professional studies. Educational experiences include rigorous classroom instruction, laboratory/clinical practice (on and off campus sites), research opportunities with faculty, and professional mentoring. It is a goal of the School of Integrated Health Sciences faculty to produce graduate students who are professionally competent, thoroughly capable of critical thinking, and highly sought after by employers. Graduates will exhibit high ethical professional standards, be devoted to lifelong learning and be prepared to respond to local, regional or national level demands in their fields of study.

Ronald T. Brown, Dean

Janet Dufek, Ph.D., Associate Dean

Sharon Jalene, Ph.D., Assistant Dean

Programs

Brain Health

Health Physics and Diagnostic Sciences

Kinesiology and Nutrition Sciences

Physical Therapy

Health Physics and Diagnostic Sciences

Many industries, medical facilities, and research laboratories demand professionals who understand the safe and effective use of radiation and radioactive materials. Health physics is the study of radiation protection, and the safe use of radioactive materials. Our M.S. and Doctor of Medical Physics (DMP) programs provide students with instruction and research opportunities focused in two career paths: medical physics, the effective use of radiation for medical imaging and therapy, and environmental health physics, radiation protection, the industrial applications of radiation and radioactive materials, and the behavior and evaluation of radiation in the environment. The Department of Health Physics faculty members look forward to working with prospective students in this challenging program of study.

Health physics is the profession dedicated to the protection of the individual, the population, and the environment from the potentially harmful effects of radiation while allowing society to benefit from medical applications of radiation and radioactive materials. It incorporates the principles and technical skills from many disciplines including physics, chemistry, biochemistry, biology, mathematics, and ecology. The wide spectra of knowledge required of both health and medical physicists make these professions both challenging and rewarding. The Master of Science (M.S.) in Health Physics is designed to prepare students in the fields of health physics and medical physics to administer public and private radiation health programs; investigate medical uses of radioactivity; measure and control radiation in the workplace and the environment; ensure compliance with radiation protection regulations; assist in the cleanup of radioactive and hazardous waste sites; evaluate worker, patient, and public radiation doses; and conduct research in radiation protection, medical imaging, and radiation therapy.

The Master of Science in Health Physics is divided into two sub-plans: environmental health physics and medical physics. The environmental health physics sub-plan is accredited by the Applied Science Accreditation Commission of ABET (<http://abet.org>). The medical physics sub-plan is accredited by the Commission on Accreditation of Medical Physics Educational Programs (CAMPEP).

For accreditation information, see the Graduate Student Handbook.

Steen Madsen, Ph.D., Chair & Graduate Coordinator

Health Physics and Diagnostic Sciences Faculty

Chair

Madsen, Steen - Full Graduate Faculty

Professor; B.Sc., University of Toronto; M.Sc., Ph.D., McMaster University. Rebel since 1997.

Graduate Coordinator

Madsen, Steen - Full Graduate Faculty

Professor; B.Sc., University of Toronto; M.Sc., Ph.D., McMaster University. Rebel since 1997.

Graduate Faculty

Cucinotta, Francis - Full Graduate Faculty

Professor; B.A. Rutgers, Ph.D. Old Dominion University. Rebel since 2013.

Hirschberg, Henry - Associate Graduate Faculty

B.E.E. City University New York; M.D., Ph.D., University of Oslo, Norway. Rebel since 2006.

Kuang, Yu - Full Graduate Faculty

Assistant Professor; B.M.E., M.S., Zhejiang University; Ph.D., Case Western Reserve University. Rebel since 2012.

Meigooni, Ali S. - Associate Graduate Faculty

B.S. Tehran University; M.S., Ph.D., Ohio University. Rebel since 2012.

Riland, Carson A. - Associate Graduate Faculty

B.S. Bloomsburg University; M.S., Ph.D. Texas A&M University. Rebel since 1996.

Plan

Advanced Graduate Certificate in Medical Physics

Master of Science - Health Physics

Doctor of Medical Physics

Advanced Graduate Certificate in Medical Physics

Plan Description

The Certificate in Medical Physics is designed to provide individuals holding terminal degrees in physics or a closely related field with the didactic coursework required for eligibility to enter medical physics residency programs. This is a two-semester certificate offering courses in basic radiation sciences and clinical medical physics.

For more information about your program, including your graduate program handbook and learning outcomes, please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

Applications for admission must be completed through the Graduate College Grad Rebel Gateway online application system.

Applicants must:

1. Hold a terminal degree (Ph.D. or equivalent) in physics or a closely related field,
2. Have an overall GPA of 3.00 in graduate work,
3. Receive a composite score of 310 or higher on the verbal and quantitative sections of the Graduate

Record Examination (GRE),

4. Successfully complete an anatomy and physiology course. Applicants not meeting the anatomy and physiology requirement may still be admitted to the program, however, this prerequisite deficiency must be completed during either the first or second semester of study.
5. All applicants must review and follow the Graduate College Admission and Registration Requirements.

Students are accepted into a certificate program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

Total Credits Required: 18

Course Requirements

Required Courses – Credits: 18

- HPS 602 - Radiation Detection
- HPS 703 - Radiation Interactions and Transport
- HPS 720 - Radiation Dosimetry
- HPS 730 - Advanced Radiation Biology
- HPS 740 - Medical Imaging Physics
- HPS 742 - Radiation Therapy Physics

Certificate Requirements

1. Completion of a minimum of 18 credit hours with a minimum GPA of 3.00.
2. Students in the Certificate in Medical Physics must adhere to the Six-year Completion Rule.
3. No credit may be used in an advanced certification program for course work completed more than six calendar years immediately preceding the term in which all certificate requirements are completed.

Plan Certificate Completion Requirements

The student must submit all required forms to the Graduate College and then apply for graduation in MyUNLV by the appropriate deadline.

Master of Science - Health Physics

This program (Environmental Option) is accredited by: ABET. More information can be found at: unlv.edu/provost/vpaa/accreditation

Plan Description

The Master of Science (M.S.) – Health Physics is designed to prepare students in the field of health physics to administer public and private radiation health programs; investigate medical uses of radioactivity; measure and control radiation in the workplace and the environment;

ensure compliance with radiation protection regulations; assist in the cleanup of radioactive and hazardous waste sites; evaluate worker, patient, and public radiation doses; and conduct research in radiation protection.

For more information about your program including your graduate program handbook and learning outcomes please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

Complete the Graduate College online application for admission. Completed applications, official Graduate Record Examination (GRE) scores, one copy of official transcripts from all post-secondary institutions, and all other documents (i.e., recommendation provider information and statement of professional goals) should be uploaded into the online application system.

Students seeking admission to the graduate program in health physics must fulfill the following admission requirements:

1. Overall GPA of 3.00 (A=4.00 or equivalent) in undergraduate work. Applicants with a GPA below 3.00, but not less than 2.75, may be admitted as a graduate provisional student.
2. Successful completion (grade of C or better) of the following course work:
 - a. Seven-semester credits in biology including an introductory modern biology course and one higher level course
 - b. Ten-semester credits in chemistry or geology including a general chemistry sequence and one higher-level course
 - c. Eight-semester credits in elementary calculus (mathematics through differential equations is recommended)
 - d. Twelve semester credits in physics including a general physics sequence
 - e. A course in computer programming (an additional course in numerical methods or scientific computing is recommended) Applicants not meeting a limited number (maximum of nine credit hours) of prerequisite requirements may still be admitted to the program. However, prerequisite requirements may still be admitted to the program. However, prerequisite deficiencies must be completed during the first year of study and prior to registering for Thesis or Professional Paper.
3. Completion of a baccalaureate degree in health physics, one of the basic sciences, or in a closely

related scientific or engineering field. Applicants holding a degree in a non-related field may be given special consideration if they have completed all prerequisite course work.

4. Students seeking entry to the medical physics specialization must have a strong foundation in physics and, as such, applicants are required to have either an undergraduate degree in physics or a degree in a related engineering or physical science discipline with course work equivalent to a minor in physics (includes at least three upper level undergraduate physics courses).
5. A score ranking in the 50th percentile or higher on the verbal and quantitative sections of the Graduate Record Exam (GRE). Tests taken prior to August 2011 require a composite score of 1,000 or higher on the verbal and quantitative sections of the Graduate Record Exam (GRE).
6. Three letters of recommendation from former instructors or employers that speak to the applicant's potential as a graduate student. Contact information for recommendation providers should be entered into the recommendation page of the online application. Recommenders will then upload their letters directly into the student's online application.
7. A statement of approximately 300 words indicating the student's professional goals and reason for seeking graduate education.
8. All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

See Subplan Requirements below.

Subplan 1 Requirements: Environmental Health Physics

Total Required Credits: 40

Course Requirements

Required Courses – Credits: 18

- HPS 602 - Radiation Detection
- HPS 603 - Radiation Physics and Instrumentation Laboratory
- HPS 701 - Applied Nuclear Physics
- HPS 703 - Radiation Interactions and Transport
- HPS 720 - Radiation Dosimetry
- HPS 730 - Advanced Radiation Biology

Seminar Course – Credits: 3

- HPS 611 - Health Physics Seminar

Core Courses – Credits: 10

- HPS 616 - Advanced Health Physics
- HPS 670 - Environmental Health Physics
- HPS 718 - Radiochemistry Laboratory
- HPS 719 - Introduction to Radioanalytical Chemistry

Elective Courses – Credits: 3

Complete 3 credits from the following list of courses, any graduate-level health physics (HPS) courses, or other advisor-approved graduate-level courses.

- HPS 750 - Radiation Risk Assessment
- HPS 760 - Environmental Restoration and Radioactive Waste Management

Culminating Experience – Credits: 6

Complete one of the following:

- HPS 797 - Thesis
- HPS 796 - Professional Paper

Plan Degree Requirements

1. Maintain a cumulative grade point average of 3.00 or above each semester enrolled.
2. Receive a grade of B (3.00) or above in all core health physics courses. If less than a B is earned, the course may be repeated. The student must be in good standing to repeat a course, and any core course may be repeated only once.
3. Select a thesis advisor from the full graduate faculty in the program by the end of the student's first semester in the program. Failure to select a thesis advisor may result in probation or eventual termination from the program.
4. In consultation with his/her advisor, a student will organize an advisory committee of at least three departmental members. In addition, a fourth member from outside the department, known as the Graduate College Representative, must be appointed. An additional committee member may be added at the student and department's discretion. Please see Graduate College policy for committee appointment guidelines.
5. Pass the comprehensive oral examination. The comprehensive oral exam will be taken by all students after completion of the second semester of enrollment in the program. The exam will be pass/fail. Students who fail the exam may re-take the exam prior to the start of their third semester of enrollment. Students who fail their second attempt will be separated from the program. Students may not defend their thesis prospectus or proceed with their professional paper until successful completion of the oral exam. The exam will be administered by the graduate faculty from Health Physics.

6. Continuously register for three credit hours of thesis or professional paper each semester while working on the thesis or professional paper until completion.
7. Credit by Challenge Examination: Graduate courses in the Health Physics program may not be challenged for credit.
8. Allotment of Credits: Students have a choice of catalog under which they wish to graduate
 1. The year of official matriculation, or
 2. The year of graduation
 3. Students are encouraged to meet the requirements of the current catalog.
9. A final oral examination will be held following completion of the thesis or professional paper resulting from a research project. The final examination must be held by the Graduate College deadline in the term in which the student plans to complete the degree requirements.

Graduation Requirements

See Plan Graduation Requirements below.

Subplan 2 Requirements: Medical Physics

Total Required Credits: 40

Course Requirements

Required Courses – Credits: 18

- HPS 602 - Radiation Detection
- HPS 603 - Radiation Physics and Instrumentation Laboratory
- HPS 701 - Applied Nuclear Physics
- HPS 703 - Radiation Interactions and Transport
- HPS 720 - Radiation Dosimetry
- HPS 730 - Advanced Radiation Biology

Seminar Course –Credits: 3

- HPS 611 - Health Physics Seminar
- HPS 792 - Ethics for Medical Physicists

Core Courses – Credits: 13

- HPS 676 - Sectional Anatomy
- HPS 740 - Medical Imaging Physics
- HPS 742 - Radiation Therapy Physics
- HPS 742L - Therapy Physics Clinical Rotation and Lab
- HPS 795 - Independent Study

Culminating Experience –Credits: 6

Complete one of the following:

- HPS 796 - Professional Paper
- HPS 797 - Thesis

Plan Degree Requirements

1. Maintain a cumulative grade point average of 3.00 or above each semester enrolled.
2. Receive a grade of B (3.00) or above in all core health physics courses. If less than a B is earned, the course may be repeated. The student must be in good standing to repeat a course, and any core course may be repeated only once.
3. Select a thesis advisor from the full graduate faculty in the program by the end of the student's first semester in the program. Failure to select a thesis advisor may result in probation or eventual termination from the program.
4. In consultation with his/her advisor, a student will organize an advisory committee of at least three departmental members. In addition, a fourth member from outside the department, known as the Graduate College Representative, must be appointed. An additional committee member may be added at the student and department's discretion. Please see Graduate College policy for committee appointment guidelines.
5. Pass the comprehensive oral examination. The comprehensive oral exam will be taken by all students after completion of the second semester of enrollment in the program. The exam will be pass/fail. Students who fail the exam may re-take the exam prior to the start of their third semester of enrollment. Students who fail their second attempt will be separated from the program. Students may not defend their thesis prospectus or proceed with their professional paper until successful completion of the oral exam. The exam will be administered by the graduate faculty from Health Physics.
6. Continuously register for three credit hours of thesis or professional paper each semester while working on the thesis or professional paper until completion.
7. Credit by Challenge Examination: Graduate courses in the Health Physics program may not be challenged for credit.
8. Allotment of Credits: Students have a choice of catalog under which they wish to graduate
 1. The year of official matriculation, or
 2. The year of graduation
 3. Students are encouraged to meet the requirements of the current catalog.
9. A final oral examination will be held following completion of the thesis or professional paper resulting from a research project. The final examination must

be held by the Graduate College deadline in the term in which the student plans to complete the degree requirements.

Graduation Requirements

See Plan Graduation Requirements below.

Plan Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
2. The student must submit and successfully defend his/her thesis or professional paper by the posted deadline. The thesis defense must be advertised and is open to the public.
3. After the thesis defense, the student must electronically submit a properly formatted pdf copy of their thesis to the Graduate College for format check. Once the thesis format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for thesis defenses, format check submissions, and the final ProQuest submission can be found here.

Doctor of Medical Physics

This program is accredited by: CAMPEP. More information can be found at: unlv.edu/provost/vpaa/accreditation

Plan Description

The doctor of medical physics degree is a 4-year entry-level professional program designed to provide individuals with appropriate baccalaureate degrees the knowledge and skills required to practice medical physics in a clinical setting. Upon receiving this degree, students will be eligible to sit for the licensure examinations in medical physics. The program of study consists of 80 credit hours of graduate course work divided into classroom, clinical and research activities. During the first 5 semesters in the program, students take courses emphasizing the fundamental principles of radiological sciences and medical physics. The last six semesters consist of clinical rotations in radiation oncology clinics and/or hospitals where students are involved with all aspects of clinical medical physics including dosimetry and treatment planning, external beam physics, brachytherapy, quality assurance and special procedures.

For more information about your program, including your graduate program handbook and learning outcomes please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

Students seeking admission to the DMP program must fulfill the following admission requirements:

1. Overall GPA of 3.0/4.0 (B average) in undergraduate work. Applicants with a GPA below 3.0 but not less than 2.75 may be admitted as provisional students.
2. Bachelor's Degree in Physics, Applied Physics, Physical Science, or Engineering (with an equivalent of a minor in physics) from an accredited college or university.
3. Applicants with a master's degree from an accredited medical physics program who meet the entrance requirements may be considered for admission to the program. In addition, these applicants must have taken the American Board of Radiology (ABR) part 1 exam as a condition for admission to the program. These students will be required to take an additional 20 credits of electives (determined by the Health Physics Graduate faculty).
4. A score ranking in the 50th percentile or higher on the verbal and quantitative sections of the Graduate Record Examination (GRE).
5. Three letters of recommendation from former instructors or employers that speak to the applicant's potential as a graduate student. The individual writing the letter may use the form available from the Graduate College, which includes a release form for the student to sign.
6. A statement of approximately 300 words indicating the student's professional goals and reason for seeking graduate education.
7. International applicants whose native language is not English must show competency in the English language before they can be admitted. A satisfactory score (minimum 550 on the written version or 213 on the computerized version) on the "Test of English as a Foreign Language" (TOEFL) or comparable evidence of competency in English must be submitted by students as part of their application.
8. All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

See Subplan Requirements below.

Subplan 1 Requirements: Post-Bachelor's Track

Subplan 2 Requirements: Post Master's Track

Subplan 1 Requirements: Post-Bachelor's Track

Total Credits Required: 80

Course Requirements

Fall Semester 1st Year Courses - Credits: 10

- HPS 676 - Sectional Anatomy
- HPS 701 - Applied Nuclear Physics
- HPS 730 - Advanced Radiation Biology
- HPS 611 - Health Physics Seminar

Spring Semester 1st Year Courses - Credits: 9

- HPS 703 - Radiation Interactions and Transport
- HPS 602 - Radiation Detection
- HPS 603 - Radiation Physics and Instrumentation Laboratory

Summer Semester 1st Year Courses - Credits: 6

- HPS 790 - Radiation Oncology Physics Clinical Internship

Fall Semester 2nd Year Courses - Credits: 7

- HPS 720 - Radiation Dosimetry
- HPS 742 - Radiation Therapy Physics
- HPS 611 - Health Physics Seminar

Spring Semester 2nd Year Courses - Credits: 8

- HPS 740 - Medical Imaging Physics
- HPS 742L - Therapy Physics Clinical Rotation and Lab
- HPS 611 - Health Physics Seminar
- HPS 792 - Ethics for Medical Physicists

Summer Semester 2nd Year Courses - Credits: 6

- HPS 770 - Radiation Therapy Physics: External Beam

Fall Semester 3rd Year Courses - Credits: 6

- HPS 771 - Dosimetric Aspects of Radiation Therapy I

Spring Semester 3rd Year Courses - Credits: 6

- HPS 772R - Radiation Therapy Physics: Brachytherapy
- HPS 773 - Radiation Protection, Radiation Safety and Quality Assurance

Summer Semester 3rd Year Courses - Credits: 6

- HPS 774 - Dosimetric Aspects of Radiation Therapy II

Fall Semester 4th Year Courses - Credits: 8

- HPS 775 - Clinical Medical Physics I
- HPS 777 - Clinical Physics Research

Spring Semester 4th Year Courses - Credits: 8

- HPS 776 - Clinical Medical Physics II: Special Procedures
- HPS 777 - Clinical Physics Research

Degree Requirements

1. Maintain a cumulative GPA of 3.0/4.0 or above each semester enrolled.
2. Receive a grade of B (3.0) or above (or satisfactory, where applicable) in all courses. If less than a B (or unsatisfactory) is earned, the course may be repeated. The student must be in good standing to repeat a course, and any course may be repeated only once.
3. Complete a minimum of six semester hours in each calendar year.
4. Students entering the program with a B.S. degree have the option of leaving the program with a masters degree after successful completion of all non-clinical coursework. These students are required to take an additional credits of professional paper (HPS 796) of thesis (HPS 797) in order to satisfy the research component of the masters degree.
5. A minimum of 80 credit hours is required for graduation from the DMP program (60 credits for students admitted with a masters degree).

Subplan 2 Requirements: Post-Master's Track

Total Credits Required: 60

Course Requirements

Fall Semester 1st Year Courses - Credits: 10

10 Credits of Advisor Approved Electives.

Spring Semester 1st Year Courses - Credits: 10

10 Credits of Advisor Approved Electives.

Summer Semester 1st Year Courses - Credits: 6

- HPS 770 - Radiation Therapy Physics: External Beam

Fall Semester 2nd Year Courses - Credits: 6

- HPS 771 - Dosimetric Aspects of Radiation Therapy I

Spring Semester 2nd Year Courses - Credits: 6

- HPS 772R - Radiation Therapy Physics: Brachytherapy
- HPS 773 - Radiation Protection, Radiation Safety and Quality Assurance

Summer Semester 2nd Year Courses - Credits: 6

- HPS 774 - Dosimetric Aspects of Radiation Therapy II

Fall Semester 3rd Year Courses - Credits: 8

- HPS 775 - Clinical Medical Physics I
- HPS 777 - Clinical Physics Research

Spring Semester 3rd Year Courses - Credits: 8

- HPS 776 - Clinical Medical Physics II: Special Procedures
- HPS 777 - Clinical Physics Research

Degree Requirements

1. Maintain a cumulative GPA of 3.0/4.0 or above each semester enrolled.
2. Receive a grade of B (3.0) or above (or satisfactory, where applicable) in all courses. If less than a B (or unsatisfactory) is earned, the course may be repeated. The student must be in good standing to repeat a course, and any course may be repeated only once.
3. Complete a minimum of six semester hours in each calendar year.
4. A minimum of 80 credit hours is required for graduation from the DMP program (60 credits for students admitted with a masters degree).

Plan Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
2. The student must submit and successfully present his/her final research project by the posted deadline. The presentation must be advertised and is open to the public.
3. The student must submit his/her approved, properly formatted research project to the Graduate College, and submit the approved electronic version to ProQuest by the posted deadline.

Health Physics & Diagnostic Sciences Courses

HPS 602 - Radiation Detection Credits 3

Provides a basic understanding of dosimetry and radiation detection. Energy loss through the interaction of radiation with matter. Differing typed of spectroscopy, electronics, and instrumentation involved in radiation detection. Statistics, errors, and interpretation encountered in data collection. Notes: This course is crosslisted with HPS 402. Credit at the 600-level requires additional work.

HPS 603 - Radiation Physics and Instrumentation Laboratory Credits 3

Laboratory experiments in basic radiation physics and detection. Includes operation and calibration of survey instruments and gas-filled counters. Theory and operation of alpha and gamma spectrometry equipment and liquid scintillation counters. Laboratories and discussions on counting statistics and basic electronics. Notes: This course is crosslisted with HPS 403. Credit at the 600-level requires additional work.

HPS 611 - Health Physics Seminar Credits 1

Forum for students, faculty, and/or invited speakers to present research activities, current events, market issues, and new products in the area of health physics. Same as HPS 411 Notes: May be repeated for a maximum of three credits.

HPS 616 - Advanced Health Physics Credits 3

Solutions to problems pertaining to radiation safety in the environment, industry, medical facilities, and nuclear reactors. Topics include shielding, accelerators, radon, non-ionizing radiation, and radiation dose-effect. Prerequisites: Graduate standing.

HPS 670 - Environmental Health Physics Credits 3

Cosmic and terrestrial radiation sources. Emphasis on TENORM, radon and pathway modeling. Topics include environmental regulations, nuclear fuel cycle, nuclear weapons testing and accidents, geohydrology and geochemistry. Notes: This course is crosslisted with HPS 470. Credit at the 600-level requires additional work.

HPS 676 - Sectional Anatomy Credits 3

Sectional anatomy of organs and systems is presented using medical imaging modalities such as magnetic resonance imaging, computed tomography, single photon emission computed tomography, positron emission tomography and ultrasound.

HPS 680 - Industrial Hygiene Credits 3

This course has been approved for graduate credit. A full description of this course may be found in the Undergraduate Catalog under the corresponding 400 number. Prerequisites: BIOL 189 or CHEM 122

HPS 701 - Applied Nuclear Physics Credits 3

Atomic and nuclear structure; decay energetics and kinetics; interactions of radiation with matter; radiation protection standards; practical aspects of radiation protection; photon, neutron, beta and X-ray shielding; criticality; radiation protection at reactors, accelerators and medical facilities; radioactive material transportation regulations.

HPS 703 - Radiation Interactions and Transport Credits 3

Decay energetics and kinetics; interactions of radiation with matter, radiation protection standards; practical aspects of radiation protection; photon, neutron, beta, and x-ray shielding, radioactive material transportation regulations, radiation transport Prerequisites: HPS 701.

HPS 718 - Radiochemistry Laboratory Credits 3

Laboratory experiments in radiation detection, counting statistics and radiochemical separations are discussed. The operation and calibration of alpha- and gamma-ray spectrometry equipment and liquid scintillation counters will be examined. Radiochemical separation and analysis of environmental samples are performed. Novel and standard procedures for sample examination will be covered. Prerequisites: Consent of instructor. Corequisite: HPS 602

HPS 719 - Introduction to Radioanalytical Chemistry Credits 1

Introduction to the principles and concepts of radioanalytical chemistry, such as the use of tracers, carriers and spikes and isotope dilution analysis. Sample preparation and techniques for radioanalytical separations and source preparation. Differences between macro chemistry and tracer chemistry. Prerequisites: HPS 602.

HPS 720 - Radiation Dosimetry Credits 3
Mathematical treatment of the fundamental principles of internal and external radiation dosimetry. Pathway models and bioassay techniques studied to support the calculation of radiation dose from the intake of radioactivity. General external dosimetry from a variety of industrial and medical sources is addressed. Prerequisites: HPS 701 or consent of instructor.

HPS 730 - Advanced Radiation Biology Credits 3
Topics covered include: physics and chemistry of radiation absorption, cell survival curves, repair of radiation damage, radiation carcinogenesis, risk assessment models, cancer biology, model tumor systems, and dose fractionation in radiotherapy.

HPS 740 - Medical Imaging Physics Credits 3
Conceptual, mathematical, and diagnostic aspects of commonly used clinical imaging modalities including film-screen radiography, computed tomography, magnetic resonance imaging, single photon emission computed tomography, positron emission tomography, and ultrasound. Prerequisites: HPS 701 or consent of instructor.

HPS 740L - Diagnostic Medical Physics Clinical Rotation and Laboratory Credits 3
Covers the quality control and assurance aspects of commonly used clinical diagnostic modalities including film-screen and digital radiography, mammography, computed tomography, magnetic resonance imaging, single photon emission computed tomography (SPECT), and positron emission tomography (PET). Prerequisites: HPS 701 Corequisite: HHPS 740 or consent of instructor.

HPS 742 - Radiation Therapy Physics Credits 3
Use of ionizing and nonionizing radiation in radiation therapy to cause controlled biological effects in cancer patients. Emphasis on external treatment techniques using photon and electron beams, internal treatment techniques, and treatment planning. Prerequisites: HPS 701 or consent of instructor.

HPS 742L - Therapy Physics Clinical Rotation and Lab Credits 3
An introductory course dealing with the practical aspects of clinical therapeutic physics. Labs will be performed in a clinical setting and students will be introduced to the technology and procedures commonly encountered in a modern radiation therapy facility. Prerequisites: HPS 742.

HPS 750 - Radiation Risk Assessment Credits 3
Descriptive and mathematical treatment of radionuclide transport, bioaccumulation, and human uptake. Notes: Risk analyses based on recent epidemiological studies reviewed. Prerequisites: HPS 670 or consent of instructor.

HPS 760 - Environmental Restoration and Radioactive Waste Management Credits 3
Introduction to the nuclear fuel cycle and management of nuclear waste. Introduction to repository design and performance assessment. Overview of waste form performance, contaminant transport, and risk assessment

as applied to nuclear waste management. Prerequisites: HPS 701 or consent of instructor.

HPS 770 - Radiation Therapy Physics: External Beam Credits 6
The clinical course introduces basic concepts in external beam radiation therapy including dosimetry systems, accelerator acceptance testing and commissioning, quality assurance procedures, calibration protocols and monitor unit calculations. Grading S/F grading only. Prerequisites: Consent of department.

HPS 771 - Dosimetric Aspects of Radiation Therapy I Credits 6
Clinical training in the fundamentals of external beam dosimetry. Includes treatment planning, record and verify systems, image fusion, and immobilization and positioning techniques used in patient simulations. Grading S/F grading only. Prerequisites: HPS 770

HPS 772R - Radiation Therapy Physics: Brachytherapy Credits 3
Clinical training in high and low dose rate brachytherapy. Includes treatment planning, applicators and quality assurance procedures. Grading S/F grading only. Prerequisites: HPS 771

HPS 773 - Radiation Protection, Radiation Safety and Quality Assurance Credits 3
Radiation surveys, safety policies and procedures, state and federal regulations, shielding calculations, and quality assurance procedures of imaging systems in a clinical environment. Grading S/F grading only. Prerequisites: HPS 772R

HPS 774 - Dosimetric Aspects of Radiation Therapy II Credits 6
Grading S/F grading only. Prerequisites: HPS 773

HPS 775 - Clinical Medical Physics I Credits 6
Survey of topics of importance to medical physicists in the radiation therapy clinic. Topics include treatment planning, computer commissioning, IGRT, process/practice (FMEA and TQM) and informatics. Notes: S/F grading only. Prerequisites: HPS 774

HPS 776 - Clinical Medical Physics II: Special Procedures Credits 6
Experience with special procedure techniques such as tomotherapy, total body irradiation, GammaKnife, CyberKnife and eye plaques. Grading S/F grading only. Prerequisites: HPS 775

HPS 790 - Radiation Oncology Physics Clinical Internship Credits 1-3
Overview of clinical radiation oncology physics techniques including treatment planning, linear accelerator operation, commissioning and quality assurance, dose calibration and on-board imaging. Notes: May be repeated to a maximum of six credits.

HPS 791 - Graduate Seminar Credits 1
Forum for students, faculty, and/or invited speakers to present research activities, current events, market issues, and new products in the area of health physics. Same as HPS 611 Notes: Repeatable up to 3 credits. Grading Letter grade.

HPS 792 - Ethics for Medical Physicists Credits 1
Overview of the attributes and nuances of ethics and professionalism that are essential to the practice of medical physics.

HPS 794 - Directed Research Credits 1 - 6
Supervised research in the department's graduate programs. Notes: May be repeated to a maximum of 12 credits Grading S/F grading only. Prerequisites: Consent of department and graduate standing in one of the department's programs.

HPS 795 - Independent Study Credits 1 - 3
Individual directed study of a topic in health physics not covered in depth in other courses. Notes: May be repeated to a maximum of nine credits. Grading S/F grading only. Prerequisites: Graduate standing in health physics and consent of instructor.

HPS 796 - Professional Paper Credits 3
Discussion of the components of a research proposal, writing a research proposal, and conducting pilot projects. Notes: May be repeated but only six credits applied to the student's program. Grading S/F grading only. Prerequisites: Consent of department.

HPS 797 - Thesis Credits 1-3
Research, analysis, and writing towards completion of thesis and subsequent defense. Notes: May be repeated but only 6 credits applied to the student's program. Grading S/F grading only. Prerequisites: Consent of department.

Kinesiology and Nutrition Sciences

Kinesiology is the study of human movement as it relates to human performance. The graduate degrees offered by the Department of Kinesiology and Nutrition Sciences are designed to prepare students for advanced study in biomedical sciences, clinical positions, and leadership positions in instituting physical fitness programs in public and private organizations. The department is committed to an interdisciplinary approach to professional preparation and scholarship and to creating an environment in which both basic and applied research in the field of kinesiology is stimulated. Comprehensive laboratories have been developed for the study of human performance, injury rehabilitation, and skill acquisition.

Students are afforded the opportunity to work closely with faculty in all areas of academics and research. The faculty members are recognized internationally through their scholarship and research and are enthusiastically committed to graduate education.

Department of Kinesiology and Nutrition Sciences offers programs of study that lead to a Doctor of Philosophy degree in Kinesiology or Interdisciplinary Health Sciences and a Master of Science degree in Kinesiology. These degree programs allow students a choice of preparation and opportunities to specialize in biomechanics, exercise physiology, motor learning/motor control and sports medicine. The goal of the graduate program in kinesiology is to provide students with the theory, knowledge, and skills necessary to apply the principles of human movement in a variety of community, research, clinical, or athletic settings, or to pursue advanced study at the doctoral level.

Brian Schilling, Ph.D., Chair

Janet Dufek, Ph.D., Graduate Coordinator (Ph.D. program)

James W. Navalta, Ph.D., Graduate Coordinator (M.S. Kinesiology program)

Laura Kruskall, Ph.D., Graduate Coordinator (M.S. Nutrition Sciences program)

Kinesiology and Nutrition Sciences Faculty

Chair

Schilling, Brian. - Full Graduate Faculty
Professor; B.S., Winona State University;
M.S., Appalachian State University; Ph.D.,
University of Memphis. Rebel since 2016.

Ph.D. Graduate Coordinator

Dufek, Janet S. - Full Graduate Faculty
Professor; B.S. University of Wisconsin,
Superior; M.S. Illinois State University; Ph.D.
University of Oregon. Rebel since 2002.

M.S. Kinesiology Graduate Coordinator

Navalta, James W. - Full Graduate Faculty
Associate Professor; B.S., Brigham Young University,
Hawaii; M.S., University of Nevada, Las Vegas;
Ph.D., Purdue University. Rebel since 2012.

M.S. Nutrition Graduate Coordinator

Kruskall, Laura J. - *Full Graduate Faculty*
Associate Professor; B.A. Mount Saint Mary College; M.S. Columbia University; Ph.D. Pennsylvania State University. Rebel since 1999.

Graduate Faculty

Ayim, Emmanuel - *Associate Graduate Faculty*
Assistant Professor-in-Residence; B.S. University of Dayton; M.S. Grambling State University; Ph.D. University of Nevada, Las Vegas. Rebel since 2016.

Bhammar, Dharini M. - *Full Graduate Faculty*
Assistant Professor; M.B.B.S. Topiwala National Medical College; M.S. Arizona State University; Ph.D. Arizona State University. Rebel since 2017.

Basu, Arpita - *Full Graduate Faculty*
Associate Professor; M.S. University of Calcutta; Ph.D. Texas Women's University. Rebel since 2017.

Coogan, Samantha. - *Associate Graduate Faculty*
Director, Didactic Program in Nutrition and Dietetics; B.S., University of Nevada, Las Vegas; M.S., University of Nevada, Las Vegas. Rebel since 2016.

Dufek, Janet S. - *Full Graduate Faculty*
Professor, B.S. University of Wisconsin, Superior; M.S. Illinois State University; Ph.D. University of Oregon. Rebel since 2002.

Girouard, Tedd. - *Associate Graduate Faculty*
Program Director, Athletic Training, B.S. University of Nevada, Las Vegas; M.S. University of Nevada, Las Vegas. Rebel since 2009.

Gordon, Jennifer L.
Associate Professor-in-Residence; B.S. State University of New York Oneonta; M.S. Georgia Southern University; Ph.D. Springfield College. Rebel since 2017.

Jonen, Will - *Associate Graduate Faculty*
Associate Professor-in-Residence; B.S. University of Hawaii, Manoa; M.S./Ph.D. The Ohio State University. Rebel since 2017.

Kruskall, Laura J. - *Full Graduate Faculty*
Associate Professor; B.A. Mount Saint Mary College; M.S. Columbia University; Ph.D. Pennsylvania State University. Rebel since 1999.

McGinnis, Graham – *Full Graduate Faculty*
Assistant Professor; B.S. Appalachian State University; M.S. Auburn University; Ph.D. Auburn University. Rebel since 2018.

Mercer, John - *Full Graduate Faculty*
Professor; B.S., Buffalo State College of New York; M.S., University of North Texas; Ph.D., University of Oregon. Rebel since 1999.

Navalta, James W. - *Full Graduate Faculty*
Associate Professor; B.S., Brigham Young University, Hawaii; M.S., University of Nevada, Las Vegas; Ph.D., Purdue University. Rebel since 2012.

Poston, Bracher - *Full Graduate Faculty*
Assistant Professor; B.S., Southwest Missouri State University; M.S., University of Nevada, Las Vegas; Ph.D., University of Colorado. Rebel since 2014.

Radzak, Kara M. - *Full Graduate Faculty*
Assistant Professor; B.S., University of Texas, Austin; M.S., University of Colorado, Colorado Springs; Ph.D., University of Hawaii, Manoa. Rebel since 2015.

Samuel, Michelle. - *Associate Graduate Faculty*
Clinical Education Coordinator; B.S. University of Nevada, Las Vegas; M.S. University of Nevada, Las Vegas. Rebel since 2011.

Schilling, Brian. - *Full Graduate Faculty*
Professor; B.S., Winona State University; M.S., Appalachian State University; Ph.D., University of Memphis. Rebel since 2016.

Silvernail, Julia F. - *Full Graduate Faculty*
Assistant Professor; B.S., University of Maryland; M.S., University of Nevada, Las Vegas; Ph.D., University of Tennessee. Rebel since 2014.

Tandy, Richard D. - *Full Graduate Faculty*
Associate Professor; B.S., Appalachian State University; M.S., Ph.D., Texas A&M University. Rebel since 1989.

Webber, Kelly - *Associate Graduate Faculty*
Visiting Associate Professor in Residence; M.S. North Carolina State University, Ph.D. University of North Carolina. Rebel since 2017.

Wulf, Gabriele - *Full Graduate Faculty*
Professor; Diploma, Ph.D., Deutsche Sporthochschule Koln; Ph.D., University of Munich. Rebel since 2001.

Young, John C. - *Associate Graduate Faculty*
Professor; B.S.Ed., M.S., University of Michigan; Ph.D., University of Wisconsin, Madison. Rebel since 1991.

Plans

Master of Science - Exercise Physiology (ON HOLD)

Master of Science - Kinesiology

Master of Science - Nutrition Sciences

Master of Science - Kinesiology

Plan Description

The Master of Science – Kinesiology is designed for students interested in the study of human performance. Students are provided with the theoretical foundations of the movement-based sciences and select an emphasis in biomechanics, motor learning/control, or sports medicine. Through involvement in directed research projects, students obtain an in-depth understanding of laboratory equipment research and applications in the biomedical sciences. Graduates are prepared to make applications of the movement sciences in research, clinical or athletic settings and for entrance into doctoral programs in kinesiology.

For more information about your program including your graduate program handbook and learning outcomes please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

Students are admitted in the fall, spring, and summer semesters. Applicants for admission must have an

undergraduate major in kinesiology, exercise science, physical education, athletic training, biology, nutrition, or a related academic discipline.

Applicants must have a minimum overall undergraduate grade point average of 2.75 (A=4.0), or 3.00 (A=4.0) in the last two years. The Graduate Record Examination (GRE) must be taken prior to applying. Successful applicants generally have a 3.00 undergraduate grade point average and a combined score of 300 on verbal and quantitative sections of the GRE and higher than 3.5 on the analytical section. Interested applicants must send the following information to the Graduate College:

1. A completed application for graduate studies.
2. Official transcripts of all colleges and universities attended.
3. Interested applicants must upload the following information into the Grad Rebel Gateway system:
4. Copies of all transcripts sent to the Graduate College.
5. Official GRE scores.
6. A letter of intent that addresses: Reason(s) for wishing to earn an advanced degree. Motivation for attending UNLV. Summary of educational goals. Summary of research activities and interests. Possible faculty mentors.
7. Two letters of recommendation from persons familiar with the applicant's academic record and potential for graduate study.

All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

See Subplan Requirements below.

Subplan 1 Requirements: Thesis Track

Total Credits Required: 33

Course Requirements

Biomechanics Course – Credits: 3

Complete one of the following courses:

- KIN 656 - Biomechanics of Endurance Performance
- KIN 736 - Biomechanical Applications in Kinesiology
- KIN 737 - Biomechanics of Strength
- KIN 743 - Research Techniques in Biomechanics

Motor Learning/Motor Control Course – Credits: 3

Complete one of the following courses:

- KIN 760 - Motor Skill Learning and Performance
- KIN 761 - Human Motor Control
- KIN 762 - Motor Learning Applications

Exercise Physiology Course – Credits: 3

Complete one of the following courses:

- KIN 657 - Physiology of Endurance Performance
- KIN 738 - Human Physiology
- KIN 740 - Advanced Exercise Physiology

Research Courses – Credits: 6

- KIN 750 - Research Methods in Kinesiology and Nutrition Sciences Research
- KIN 751 - Selected Application of Statistical Techniques I

Specialization Courses – Credits: 9

Complete 9 credits of advisor-approved coursework. Research opportunities and course work are available in biomechanics, exercise physiology, motor learning/motor control, and sports medicine.

Elective Courses – Credits: 3

Complete 3 credits of advisor-approved elective coursework.

Thesis – Credits: 6

- KIN 749 - Thesis

Degree Requirements

1. Completion of a minimum of 33 credit hours with a minimum GPA of 3.00.
2. In consultation with his/her advisor, a student will organize a thesis committee of at least three departmental members. In addition, a fourth member from outside the department, known as the Graduate College Representative, must be appointed. An additional committee member may be added at the student and department's discretion. Please see Graduate College policy for committee appointment guidelines.

Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
2. The student must submit and successfully defend his/her thesis by the posted deadline. The defense must be advertised and is open to the public.
3. After the thesis defense, the student must electronically submit a properly formatted pdf copy of their thesis to the Graduate College for format check. Once the thesis format has been approved by the Graduate College, the student will submit the

approved electronic version to ProQuest. Deadlines for thesis defenses, format check submissions, and the final ProQuest submission can be found here.

Subplan 2 Requirements: Non-Thesis Track

Total Credits Required: 33

Course Requirements

Biomechanics Course – Credits: 3

Complete one of the following courses:

- KIN 656 - Biomechanics of Endurance Performance
- KIN 736 - Biomechanical Applications in Kinesiology
- KIN 737 - Biomechanics of Strength
- KIN 743 - Research Techniques in Biomechanics

Motor Learning/Motor Control Course – Credits: 3

Complete one of the following courses:

- KIN 760 - Motor Skill Learning and Performance
- KIN 761 - Human Motor Control
- KIN 762 - Motor Learning Applications

Exercise Physiology Course – Credits: 3

Complete one of the following courses:

- KIN 657 - Physiology of Endurance Performance
- KIN 738 - Human Physiology
- KIN 740 - Advanced Exercise Physiology

Research Courses – Credits: 6

- KIN 750 - Research Methods in Kinesiology and Nutrition Sciences Research
- KIN 751 - Selected Application of Statistical Techniques I

Specialization Courses – Credits: 9

Complete 9 credits of advisor-approved coursework. Research opportunities and course work are available in biomechanics, exercise physiology, motor learning/motor control, and sports medicine.

Elective Courses – Credits: 6

Complete 6 credits of advisor-approved elective coursework.

Professional Paper – Credits: 3

- KIN 748 - Professional Paper

Degree Requirements

1. Completion of a minimum of 33 credit hours with a minimum GPA of 3.00.
2. In consultation with his/her advisor, a student will organize a committee of at least three departmental members. In addition, a fourth member from outside the department, known as the Graduate College

Representative, must be appointed. An additional committee member may be added at the student and department's discretion. Please see Graduate College policy for committee appointment guidelines.

Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
2. The student must successfully complete a professional paper.

Plan Graduation Requirements

Refer to your subplan for Graduation Requirements.

Master of Science - Nutrition Sciences

Plan Description

The mission of the Master of Science (M.S) – Nutrition Sciences program is to provide graduates with the skills and knowledge to be competent nutrition and dietetics professionals capable of providing excellent nutrition and dietetic services in numerous community, food service, management, and clinical settings.

The program will provide an evidence-based curriculum with a translation to clinical/professional practice. This degree will satisfy the possession of a master's degree requirement in order to sit for the National Registration Examination for Dietitians. This degree alone will not qualify an individual to sit for this exam- students still need to successfully complete an ACEND-accredited Didactic Program in Nutrition and Dietetics and an ACEND-accredited Dietetic Internship Program.

For more information about your program including your graduate program handbook and learning outcomes please visit the Degrees Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

Students are admitted in the fall and spring semesters. Applicants for admission must have an undergraduate major in nutrition, or a closely related academic discipline.

Applicants must have a minimum overall undergraduate grade point average of 2.75 (A=4.0), or 3.00 (A=4.0) in the last two years. The Graduate Record Examination must be taken prior to applying. Successful applicants will generally have a 3.00 undergraduate grade point average and a combined score of 300 on verbal and quantitative sections of the GRE and higher than 3.5 on the analytical

section

Applicants must apply online through the Grad Rebel Gateway system. In addition to all documents required by the Graduate College, applicants must upload the following information into the Grad Rebel Gateway system:

1. Official GRE scores.
2. A letter of intent that addresses: 1) Reason(s) for wishing to earn a M.S. in Nutrition Sciences; 2) motivation for attending this program at UNLV; 3) Summary of educational goals; 4) Summary of research activities and/or clinical interests; 5) Possible faculty mentors the applicant would be interested in working with.
3. Three letters of recommendation from persons familiar with the applicant's academic record and potential for graduate study.

An applicant who is a non-native English speaker must provide proof of English language proficiency. A non-native speaker is an individual whose primary language in the home was a language other than English (or a non-English language) or who received K-12 (or equivalent) education in schools where English was not the medium of instruction. Prospective students must take the TOEFL iBT (Internet) exam and earn a minimum score of 100 to be eligible for this program. No other exam will be accepted.

Undergraduate Prerequisites (UNLV courses or equivalent). Preference given to students completing an ACEND accredited Didactic Program in Nutrition and Dietetics (DPND). This is the undergraduate program that provides all of the pre-requisite courses.

CHEM 108 or CHEM 121/122/241
BIOL 223/L/224/L BIOL 241
MATH 124
NUTR 301
NUTR 223
NUTR 370
NUTR 451

All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

See Subplan Requirements below.

Subplan 1: Non-Thesis Track

Subplan 2: Thesis Track

Subplan 1 Requirements: Non-Thesis Track

Total Credits Required: 33

Course Requirements

Research Methods - Credits: 6

- KIN 750 - Research Methods in Kinesiology and Nutrition Sciences Research
- KIN 751 - Selected Application of Statistical Techniques I

Core - Credits: 12

- NUTR 705 - Advanced Sports Nutrition Seminar
- NUTR 754 - Epidemiology of Nutrition & Physical Activity
- KIN 745 - Human Energy Metabolism

Choose one of the Following Courses:

- NUTR 607 - Complementary and Integrative MNT
- KIN 754 - Health Science Writing and Communication

Electives - Credits: 12

Complete 12 credits from the following list of courses:

- NUTR 605 - Advanced Sports Nutrition
- NUTR 651 - Nutrition and Metabolism
- NUTR 652 - Advanced Nutrition
- NUTR 700 - Special Topics in Nutrition Sciences
- NUTR 720 - Lifestyle Modification for Chronic Disease
- NUTR 727 - Advanced Clinical Nutrition and Dietetics
- NUTR 732 - Nutrition Assessment
- NUTR 753 - Experimental Techniques in Nutrition and Metabolism
- NUTR 791 - Independent Study in Nutrition Sciences
- NUTR 796 - Supervised Practice: Community Nutrition and Dietetics
- NUTR 797 - Supervised Practice: Food Service Management
- NUTR 798 - Supervised Practice: Clinical Nutrition and Dietetics
- KIN 691 - Exercise Physiology
- KIN 740 - Advanced Exercise Physiology

Culminating Experience - Credits: 3

- NUTR 748 - Professional Paper- Clinical Case Study or Community Intervention Project

Degree Requirements

1. Completion of a minimum of 33 credit hours with a minimum GPA of 3.00.
2. In consultation with his/her advisor, a student will organize an advisory committee of at least three departmental members. In addition, a fourth member from outside the department, known as the Graduate

College Representative, must be appointed. An additional committee member may be added at the student and department's discretion. Please see Graduate College policy for committee appointment guidelines.

Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
2. The student must submit and successfully defend a professional paper and submit a Culminating Experience Results form to the Graduate College by the posted deadline.

Subplan 2 Requirements: Thesis Track

Total Credits Required: 33

Course Requirements

Research Methods - Credits: 6

- KIN 750 - Research Methods in Kinesiology and Nutrition Sciences Research
- KIN 751 - Selected Application of Statistical Techniques I

Core - Credits: 12

- NUTR 705 - Advanced Sports Nutrition Seminar
- NUTR 754 - Epidemiology of Nutrition & Physical Activity
- KIN 745 - Human Energy Metabolism

Choose one of the Following Courses:

- NUTR 607 - Complementary and Integrative MNT
- KIN 754 - Health Science Writing and Communication

Electives - Credits: 9

Complete 9 credits from the following list of courses:

- KIN 691 - Exercise Physiology
- NUTR 605 - Advanced Sports Nutrition
- NUTR 607 - Complementary and Integrative MNT
- NUTR 652 - Advanced Nutrition
- NUTR 700 - Special Topics in Nutrition Sciences
- NUTR 720 - Lifestyle Modification for Chronic Disease
- NUTR 727 - Advanced Clinical Nutrition and Dietetics
- NUTR 753 - Experimental Techniques in Nutrition and Metabolism
- NUTR 791 - Independent Study in Nutrition Sciences
- NUTR 796 - Supervised Practice: Community Nutrition and Dietetics
- NUTR 797 - Supervised Practice: Food Service

Management

- NUTR 798 - Supervised Practice: Clinical Nutrition and Dietetics

Culminating Experience - Credits: 6

- NUTR 749 - Thesis

Degree Requirements

1. Completion of a minimum of 33 credit hours with a minimum GPA of 3.00.
2. In consultation with his/her advisor, a student will organize a committee of at least three departmental members. In addition, a fourth member from outside the department, known as the Graduate College Representative, must be appointed. An additional committee member may be added at the student and department's discretion. Please see Graduate College policy for committee appointment guidelines.

Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
2. The student must submit and successfully defend his/her thesis by the posted deadline. The defense must be advertised and is open to the public.
3. After the thesis defense, the student must electronically submit a properly formatted pdf copy of their thesis to the Graduate College for format check. Once the thesis format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for thesis defenses, format check submissions, and the final ProQuest submission can be found here.

Plan Graduation Requirements

Refer to your subplan for Graduation Requirements.

Subplan 1: Thesis Track

Subplan 2: Non-Thesis Track

Kinesiology and Nutrition Sciences Courses

CLS 624 - Clinical Hematology II Credits 3

Diagnostic hematology and body fluid analysis with emphasis on pathophysiology. Myeloproliferative, lymphoproliferative, myelodysplastic, acute and chronic leukemias and advanced topics in hemostasis presented through lectures, case studies and morphologic review of peripheral blood and bone marrow slides. Differential diagnosis of these disorders through specified laboratory tests. Notes: This course is crosslisted with CLS 424. Credit at the 600-level requires additional work.

CLS 625 - Clinical Hematology Laboratory II Credits 2

Diagnostic hematology and body fluid analysis with an emphasis on the laboratory tests, cytochemical stains, and molecular markers used to differently diagnose the various hematologic malignancies and hemostasis disorders. Laboratory unknowns and peripheral/bone marrow microscopic slides used to correlate clinical tests and theoretic principles. Notes: This course is crosslisted with CLS 425. Credit at the 600-level requires additional work.

CLS 632 - Clinical Microbiology I Credits 3

Introduction to medically significant microbial diseases of man. Microbial physiology and pathogenic interactions between man and microorganism. Epidemiology, triage, and diagnosis of microorganisms causing human diseases. Emphasis is on aerobic and anaerobic bacterial diseases, mycobacteria, vibrios, Legionella, Mycoplasma, spirochetes, Rickettsia and Chlamydia. Includes discussion of antimicrobial therapy and resistance mechanisms. Notes: This course is crosslisted with CLS 432. Credit at the 600-level requires additional work.

CLS 633 - Clinical Microbiology Laboratory I Credits 2

Introduction to isolation, diagnostic and identification techniques for microbial diseases of humans. Emphasis is on aerobic and anaerobic bacteria, mycobacteria, vibrios, Legionella, Mycoplasma, spirochetes, Rickettsia and Chlamydia. Includes conventional microscopic, culture, molecular and immunological techniques as well as susceptibility testing methods. Notes: This course is crosslisted with CLS 433. Credit at the 600-level requires additional work.

CLS 634 - Clinical Microbiology II Credits 3

Advanced medical microbiology. Microbial physiology and pathogenic interactions between man and microorganism. Epidemiology, prevention, diagnosis and treatment of microorganisms causing human diseases. Emphasis is on fungal, parasitic and viral diseases as well as miscellaneous bacteria from various body sites. Includes discussion of antimicrobial therapy and resistance mechanisms. Notes: This course is crosslisted with CLS 434. Credit at the 600-level requires additional work.

CLS 635 - Clinical Microbiology Laboratory II Credits 2

Advanced practical applications in the recovery, isolation and identification of microorganisms causing human disease. Emphasis is on methods for mycology, parasitology, and virology as well as miscellaneous bacteria from different body sites. Includes conventional microscopic, culture, molecular and immunological techniques as well as susceptibility testing methods. Notes; This course is crosslisted with CLS 435. Credit at the 600-level requires additional work.

CLS 642 - Clinical Chemistry I Credits 3

Chemical analysis indicative of human health and disease. Theory and utilization of biochemical instrumentation including photometry, electrochemical, and electrophoresis. Emphasis placed on method application to analysis of carbohydrates, proteins, electrolytes, liver and pancreatic function. Notes: This course is crosslisted with CLS 442. Credit at the 600-level requires additional work.

CLS 643 - Clinical Chemistry I Laboratory Credits 1

Manual and automated chemical methods used to measure normal and abnormal constituents, such as glucose, electrolytes, and proteins, in blood and body fluids. Use of spectrophotometric techniques, recognition of technical problems and selected abnormalities discussed. Notes: This course is crosslisted with CLS 443. Credit at the 600-level requires additional work.

CLS 644 - Clinical Chemistry II Credits 3

Advanced study of chemical analysis of blood, urine and other body fluids in normal and abnormal physiological conditions. Emphasizes interdependency, physiological conditions affecting test results and clinical significance. Topics include endocrinology, toxicology, and radioimmunoassay. Notes: This course is crosslisted with CLS 444. Credit at the 600-level requires additional work.

CLS 645 - Clinical Chemistry II Laboratory Credits 1

Advanced laboratory applications in chemical analysis of blood, urine and other body fluids in normal and abnormal physiological conditions. Emphasizes interdependency, physiological conditions affecting test results and clinical significance. Topics include endocrinology, toxicology and radioimmunoassay. Notes: This course is crosslisted with CLS 445. Credit at the 600-level requires additional work.

KIN 611 - First Responder and Military Physical Performance

Credits 3

In-depth study of human performance optimization for physically demanding professions such as first responders and the military. Factors related to increased efficiency and decreased injury risk. Special emphasis given to job task analysis and environmental concerns. Topics include work at altitude and in hot and cold extremes. Grading Letter Grade Prerequisites: KIN 750

KIN 614 - Enhancing Mental and Motor Abilities Credits 3

Topics of mental and motor abilities including attention, arousal states, information processing, and practice schedules. Special emphasis on enhancing motor performance through mental strategies. Notes: This course is crosslisted with KIN 414. Credit at the 600-level requires additional work.

KIN 615 - Introduction to Forensic Kinesiology Credits 3

Survey of forensic investigation. Focus on personal injury and accident avoidance from an interdisciplinary perspective. Emphasis on humans and their interactions in the physical environment. Notes: This course is crosslisted with KIN 415. Credit at the 600-level requires additional work.

KIN 656 - Biomechanics of Endurance Performance

Credits 3

The primary objective of this course is to provide a study of endurance performance from a biomechanical perspective. At the conclusion of the course, the student will be able to apply biomechanical terminology to understand factors that influence endurance swimming, biking, and running performance, for example.

KIN 657 - Physiology of Endurance Performance Credits 3

The primary objective of this course is to provide a study of endurance performance from an exercise physiology perspective. At the conclusion of the course, the student will be able to demonstrate an understanding of physiological factors that influence endurance swimming, biking, and running performance, for example.

KIN 685 - Physical Activity and the Law..... Credits 3
Legal principles associated with physical activity professions. Emphasis on practical application of legal issues in risk management, safety procedures, negligence, liability, contracts, and professional ethics, as well as recognition and minimization of legal risk during physical activity. Notes: This course is crosslisted with KIN 485. Credit at the 600-level requires additional work.

KIN 691 - Exercise Physiology Credits 3
Physiological changes in human organisms during physical exercise; physiological bases for planning physical education programs; observations of respiratory, circulatory, nervous, and metabolic adjustments to physical exercise. Laboratory experience to enhance learning. Notes: This course is crosslisted with KIN 491. Credit at the 600-level requires additional work.

KIN 692 - Clinical Exercise Physiology Credits 3
Pathophysiology of cardiovascular disease; role of exercise in treatment and prevention of coronary heart disease; exercise stress testing principles and procedures; prescribing exercise programs for healthy adults and patient populations. Notes: This course is crosslisted with KIN 492. Credit at the 600-level requires additional work.

KIN 700 - Special Problems in Kinesiology Credits 1–9
Specialized instruction and/or research designed to develop depth in understanding a current kinesiology problem. Notes: May be repeated to a maximum of nine credits. Prerequisites: Consent of instructor.

KIN 720 - Issues and Trends in Kinesiology Credits 3
Exposure to current content relating to various aspects of motor learning and control, biomechanics, and exercise physiology as they relate to pressing issues in movement and activity. Notes: Special topics course. This class is repeatable up to 9 credits. Grading Letter Grade

KIN 730 - Organization and Administration of Athletic Training Credits 3
Develop and utilize organization and administrative theories and philosophies in managing facilities, co-workers and students in a variety of athletic settings.

KIN 731 - Orthopedic Assessment in Sports Medicine Credits 3
Theory and methods of orthopedic assessment as they relate to the understanding, evaluation, treatment, and rehabilitation of sport injuries. Emphasis on advanced understanding of the theoretical applications of advanced assessment techniques for orthopedic injuries. Prerequisites: Consent of instructor.

KIN 733 - Psychological Aspects of Sport and Rehabilitation Credits 3
Overview of theoretical concepts and techniques in sport psychology. Emphasis on the application of psychology to human movement, skilled athletic performance, and injury rehabilitation.

KIN 734 - Therapeutic Intervention in Sports Medicine Credits 3
Theoretical background in the application of therapeutic intervention in a practical setting.

KIN 735 - Sports Medicine Rehabilitation Principles and Practices Credits 3
Provides opportunity to study theory and techniques of various exercise rehabilitation processes and apply these processes on a case study basis. Prerequisites: Graduate standing and consent of instructor.

KIN 736 - Biomechanical Applications in Kinesiology Credits 3
Provides opportunity to learn mechanical principles underlying human movement and apply these skills in a laboratory situation. Prerequisites: Graduate standing and consent of instructor.

KIN 737 - Biomechanics of Strength Credits 3
Interdisciplinary examination of concepts and principles involved in strength development and force production. Includes study of neurological, physiological and mechanical factors affecting force/tension/power generation, and biomechanical interactions with external loads and various resistance training equipment. Prerequisites: Graduate standing or consent of instructor.

KIN 738 - Human Physiology Credits 3
Study of mechanisms which regulate physiological systems and the way regulation functions to maintain homeostasis. Emphasis on those systems involved in the integrated response to exercise. Prerequisites: Consent of instructor, undergraduate course in anatomy and physiology.

KIN 739 - Evaluation of Physical Working Capacity Credits 3
Concepts and methodology in the measurement of energy metabolism in humans. Examination of the various methods used to measure physical working capacity with the treadmill and ergometry. Understanding of basic electrophysiology of myocardium and pulmonary function measurements. Prerequisites: Consent of instructor.

KIN 740 - Advanced Exercise Physiology Credits 3
Lecture, discussion, and laboratory experiences dealing with impact of acute and chronic exercise on several systems. Selected topics such as nutrition and exercise, weight control, physical working capacity, and body composition. Prerequisites: KIN 739

KIN 743 - Research Techniques in Biomechanics Credits 3
Examination of some of the techniques used in biomechanical research for data collection, analysis, and presentation. Emphasis on developing an understanding of experimental techniques, their capabilities and limitations. The lecture/discussion/lab sessions provide a historical and theoretical basis for each of the techniques examined. Prerequisites: Graduate standing or consent of instructor.

KIN 744 - Thermoregulation During Physical Work Credits 3
Emphasizes physical mechanisms of heat transfer and their physiological control: relationship among body temperatures, sweat rate, exercise loads, environmental temperature, and heat stress. Same as (BIO 744) Prerequisites: KIN 739 and consent of instructor.

KIN 745 - Human Energy Metabolism Credits 3
Study of the interactions between nutrition, energy metabolism, and physical exercise. Emphasis on how the body assimilates, stores, and makes available food energy to power muscular work. Prerequisites: KIN 739 or consent of instructor.

KIN 746 - Computational Methods for Biomechanics Credits 3
The primary objective of this course is to learn to create and use programs to analyze collected data using current biomechanical software. Prerequisites: KIN 736

KIN 747 - Graduate Seminar Credits 1
Oral presentations of proposed and completed research by graduate students, graduate faculty, and guests. Notes: May be taken for credit to a maximum of four credits.

KIN 748 - Professional Paper Credits 1 – 6
Professional paper preparation and subsequent defense. Notes: May be repeated but only three credits will be applied to the student's program. Grading S/F grading only.

KIN 749 - Thesis Credits 3 – 6

Research, analysis, and writing towards completion of thesis and subsequent defense. Notes: May be repeated but only six credits will be applied to the student's program. Grading S/F grading only.

KIN 750 - Research Methods in Kinesiology and Nutrition Sciences Research Credits 3

Overview of the research process, introducing methods and tools specifically for kinesiology and nutrition disciplines. Procedures for formulating a research proposal, hypothesis testing, experimental designs, statistical applications, and critically evaluating research. Same as No Grading Letter Grade

KIN 751 - Selected Application of Statistical Techniques I Credits 3

Introduction to descriptive and inferential statistical procedures utilized in studies reported in exercise science, health, physical education, and recreation. Same as HSC 700 Grading Letter grade

KIN 752 - Selected Application of Statistical Techniques II Credits 3

Statistical analysis techniques including correlation and regression, anova, multivariate analysis, manova for repeated measures designs. Introduction to selected statistical software packages; computer-aided graphics and data presentation techniques. Prerequisites: KIN 751 or consent of instructor.

KIN 754 - Health Science Writing and Communication Credits 3

Effective oral and written communication is essential to the science and practice of health. Learn and apply communication techniques for oral and poster presentations, scientific articles, white papers, and lay summaries. Same as HSC 706 Grading Letter grade Prerequisites: KIN 750

KIN 755 - Research on Physical Activity Behavior Credits 3

Students review the scholarly literature pertaining to physical activity behavior. Papers with special implications for building a general knowledge base requisite to the conduct of research on physical activity behavior are read, discussed, and critically analyzed.

KIN 760 - Motor Skill Learning and Performance Credits 3

Sensory and central contributions to skilled movement, and practice methods that enhance motor skill learning (e.g., in sports, physical therapy, athletic training, music). Discussions of influential factors such as feedback, attentional focus, unconscious learning, learning through observation, learner autonomy, practice scheduling, social-cognitive-affective influences on learning, and performance under pressure.

KIN 761 - Human Motor Control Credits 3

Advanced studies in motor control, including sensory and central contributions to movement control, balance, movement observation, focus of attention, mindset, social-cognitive-affective influences on motor performance.

KIN 762 - Motor Learning Applications Credits 3

Designed to explain basic concepts of motor learning involved in organizing and scheduling practice for efficient learning/teaching of motor skills. Includes discussions of memory, feedback, stages of learning, and other motor learning principles.

KIN 765 - Neurophysiology of Movement Credits 3

Neural mechanisms that underly the planning and execution of human voluntary movement. Application to laboratory, clinical, and practical settings. Grading Letter Grade

KIN 775 - Internship in Athletic Administration Credits 3

The internship in Athletics is a culminating experience that provides an opportunity to apply knowledge and skills learned in the academic program while working within an athletic administration or related organization. Students will work under the direction of a supervisor in a area related to their selected interest for future employment. Notes: May be repeated to a maximum of six credits.

KIN 788 - Independent Study Credits 1-9

Independent study of a selected topic in kinesiology and nutrition sciences. Notes: Repeatable up to 9 credits.

KIN 789 - Dissertation Prospectus Credits 3

Acquaints students with resources available to assist in the conceptualization of research design and literature review in preparation of the formal dissertation proposal. Formerly PED 796 Prerequisites: Admission to doctoral program.

KIN 790 - Guided Research in Health Sciences Credits 3

immersive research experience where learners participate in all aspects of research from planning, IRB/IACUC, data collection, data analysis, and dissemination. Notes: May be repeated to a maximum of nine credits. Prerequisites: KIN 750

KIN 799 - Dissertation Credits 1 – 12

Culminating research analysis and writing toward completion of dissertation and subsequent defense.

NUTR 605 - Advanced Sports Nutrition Credits 3

Sports Nutrition practices and guidelines utilized by competitive and recreational athletes. The role of nutrient utilization and metabolism during exercise. Emphasis on evidence-based practice. Notes: This course is crosslisted with NUTR 405. Coursework at the 600-level requires additional work.

NUTR 607 - Complementary and Integrative MNT Credits 3

Emphasis on research methods and science-based literature to evaluate the safety, standardization and efficacy of popular therapies, including herbals, botanicals, and dietary supplements for preventive and nontraditional medical nutrition therapies. Notes: This course is crosslisted with NUTR 407. Coursework at the 600-level requires additional work. Prerequisites: Admission into the M.S. Nutrition Sciences program or consent of instructor.

NUTR 651 - Nutrition and Metabolism Credits 3

Cellular metabolism of carbohydrates, lipids, proteins, vitamins, and minerals, including energy transformation and malnutrition. Role of hormones in regulation of metabolism. Grading Letter Grade. Prerequisites: Enrolled in M.S. Nutrition Sciences or consent of instructor.

NUTR 652 - Advanced Nutrition Credits 3

Investigation of common human metabolic disorders. Develop an understanding of the role of nutrition in the etiology and treatment of these disorders through examination of case studies. Prerequisites: Admission into the M.S. Nutrition Sciences program.

NUTR 700 - Special Topics in Nutrition Sciences Credits 1-6

Examines current or controversial topics in nutrition sciences. Topic chosen based on current or evolving practices in the field and student interest. Notes: May be repeated to a maximum of six credits. Prerequisites: Admission into the M.S. Nutrition Sciences program.

NUTR 705 - Advanced Sports Nutrition Seminar Credits 3

Evaluation of current sports nutrition guidelines. Examination of the relevant research used to establish these recommendations. Prerequisites: NUTR 605

NUTR 720 - Lifestyle Modification for Chronic Disease

Credits 3

The impact of nutrition, physical activity, and behavior modification on the chronic disease process, focusing primarily on cardiovascular disease, type 2 diabetes, neurodegenerative disease, and cancer. Emphasis on the causes and associated risk factors, and on modification of risk factors through lifestyle changes. Prerequisites: Admission into the M.S. Nutrition Sciences program.

NUTR 727 - Advanced Clinical Nutrition and Dietetics

Credits 3

Explore the in-depth research used to establish the current medical nutrition therapy practice guidelines. Current hot topics within nutrition related conditions or diseases will be evaluated. Prerequisites: Admission into the M.S. Nutrition Sciences program.

NUTR 732 - Nutrition Assessment

Credits 3

Nutrition Assessment Techniques: Study of dietary, clinical, biochemical, anthropometric and behavioral evaluation of nutrition status in humans. Analysis, interpretation and applications of tools, methods and research. Grading Letter Grade. Prerequisites: Enrolled in M.S. Nutrition Sciences Program or consent of instructor.

NUTR 748 - Professional Paper- Clinical Case Study or Community Intervention Project..... Credits 3

Experience will include a clinical case study or community intervention project, analysis and writing toward completion and subsequent defense. Prerequisites: Admission into the M.S. Nutrition Sciences program.

NUTR 749 - Thesis

Credits 3-6

Culminating research analysis and writing toward completion of thesis and subsequent defense. Notes: May be repeated to a maximum of six credits. Prerequisites: Admission into the M.S. Nutrition Sciences program.

NUTR 753 - Experimental Techniques in Nutrition and Metabolism

Credits 3

Examination of laboratory methods used in nutrition research through experiments requiring variations in diet, and techniques for obtaining and analyzing samples. Emphasis on data collection, analysis, and presentation of results.

NUTR 754 - Epidemiology of Nutrition & Physical Activity

Credits 3

Concepts of epidemiology and related biostatistics, dietary and physical activity assessment methods. Critical evaluation of study designs. Prerequisites: KIN 750 or permission of instructor.

NUTR 791 - Independent Study in Nutrition Sciences

Credits 1-3

Independent study of a selected topic in nutrition sciences. Notes: May be repeated to a maximum of six credits. Prerequisites: Admission into the M.S. Nutrition Sciences program.

NUTR 796 - Supervised Practice: Community Nutrition and Dietetics

Credits 2

For Students accepted into the Department of Nutrition Sciences Dietetic Internship. Students gain intensive experiences covering all aspects of community nutrition programming. Students will observe the diversity within community nutrition in terms of mission, target audience and programs and will actively participate in nutrition program development, implementation, evaluation, and marketing. Corequisite: KIN 797 and KIN 798.

NUTR 797 - Supervised Practice: Food Service Management

Credits 2

For students accepted into the Nutrition Sciences Dietetic Internship. Supervised experience in managing the diet office, tray line production and supervision, food service production, cafeteria management, and hospital catering. Corequisite: KIN 796 and KIN 798.

NUTR 798 - Supervised Practice: Clinical Nutrition and Dietetics

Credits 2

For students accepted into the Department of Nutrition Sciences Dietetic Internship. Students will gain the skills required to screen and assess individual patients, interpret laboratory values, develop and implement appropriate care plans, complete appropriate diet instructions, and document all assessment and plan information in correct medical chart format. Corequisite: KIN 797 and KIN 798.

Physical Therapy

The Department of Physical Therapy offers a graduate program of study that leads to a Doctor of Physical Therapy (DPT) degree. The department is also part of the Interdisciplinary Health Sciences Ph.D. offered by the Graduate College.

The mission of the UNLV Department of Physical Therapy is to enhance the quality of life and health of Nevada residents and beyond by:

- Engaging in and disseminating research that advances the science and practice of physical therapy;
- Promoting the movement system as the foundation for optimizing movement to improve the health of society;
- Endorsing the philosophy of the Quadruple Aim;
- Developing competent and compassionate practitioners who are prepared to engage in critical thinking, life-long learning, evidence-based practice, and to provide interprofessional care;
- and, Modeling service to the community, including rural and underserved areas.

The Doctor of Physical Therapy (DPT) program is designed to prepare students to plan and administer treatment to help patients regain diminished physical function lost secondary to injury or disease, to promote soft tissue healing, and to relieve pain. By determining the degree of impairment, physical therapists are then able to help patients return to full function by using various physical agents such as electrical stimulation, heat, and cold to decrease pain and by using manual therapy interventions and therapeutic exercises to increase range of motion, strength, endurance, and coordination.

The purpose of the DPT program is to provide students pursuing a career in physical therapy the opportunity to acquire the knowledge and skills required for the safe practice of physical therapy. Students are prepared as generalists, but also have some opportunity to investigate specialized aspects of physical therapy through numerous clinical experiences. The program of study consists of approximately 112 credit hours of graduate coursework and consists of intense academic and clinical work spread over six semesters and three summers. These hours are divided between classroom, clinical and research activities.

The DPT degree is an entry-level professional program designed to provide individuals with appropriate baccalaureate degrees the knowledge and skills to develop clinical and research expertise in the provision of physical therapy. Upon receiving this degree, students will be eligible to sit for the national licensure examination in physical therapy.

The Doctor of Philosophy degree in Interdisciplinary Health Sciences will provide students from different disciplines an opportunity to learn how to approach complex

healthcare problems. Team science will direct this activity and will prepare students to create functioning teams to solve problems that interface with a number of different disciplines. Understanding team science concepts will better position graduates as valuable and productive research and academic collaborators who will be able to answer broader and more important translational research questions. This team science concept will form the core of the coursework in this program. These core interdisciplinary courses will be the foundation of the Ph.D.; however, students will also develop expertise in a specialized area of study.

Merrill Landers, PT, DPT, Ph.D., Chair

Daniel Young, PT, DPT, Ph.D., Graduate Coordinator

Physical Therapy Faculty

Chair

Landers, Merrill - Full Graduate Faculty
Professor; B.S., Brigham Young University;
D.P.T., Creighton University; Ph.D., University
of Nevada Las Vegas. Rebel since 2001.

Graduate Coordinators

Young, Danny - Full Graduate Faculty
Associate Professor; B.S., Southern Utah University;
D.P.T., Creighton University; Ph.D., University
of Nevada Las Vegas. Rebel since 2007.

Graduate Faculty

Barrett, Tiffany - Full Graduate Faculty
Assistant Professor, Faculty in Residence; B.S., University
of Nevada, Reno; D.P.T., University of Colorado.

Ciccotelli, Jason - Associate Graduate Faculty
Assistant Professor; B.S., Brigham Young University;
D.P.T., University of Utah. Rebel since 2019.

Gillis, Carrie - Full Graduate Faculty
Assistant Professor; B.S., Oklahoma City University;
D.P.T., University of Nevada Las Vegas. Rebel since 2012.

Hilgenkamp, Thessa - Full Graduate Faculty
Assistant Professor; B.S., MS., University of Groningen,
Netherlands; Ph.D., Erasmus MC University Medical
Center Rotterdam, Netherlands. Rebel since 2019.

Ho, Kai-Yu - Full Graduate Faculty
Assistant Professor; B.S. and M.S., National
Chen Kung University, Taiwan; Ph.D., University
of Southern California. Rebel since 2013.

Kins, Keoni - Associate Graduate Faculty
Assistant Professor; B.S., University of Montana; D.P.T.,
University of Nevada Las Vegas. Rebel since 2014.

Turner, Cassy - Full Graduate Faculty
Associate Professor, Faculty in Residence; B.S. and
D.P.T., University of Nevada Las Vegas. Rebel since 2011.

Lee, Szu-Ping - Full Graduate Faculty
Associate Professor; B.S., National Yang-Ming
University, Taiwan; M.S., University of Florida; Ph.D.,
University of Southern California. Rebel since 2012.

Liang, Jing Nong - Full Graduate Faculty
Assistant Professor; B.S. and M.S., Chang
Gung University, Taiwan; Ph.D., Northwestern
University, Illinois. Rebel since 2016.

Nash, Jennifer - Full Graduate Faculty

Assistant Professor, Faculty in Residence; B.S., University of Arizona; M.S. and D.P.T., Northern Arizona University. Rebel since 2017.

Plan

Doctor of Physical Therapy

Doctor of Physical Therapy

This program is accredited by: CAPTE. More information can be found at: unlv.edu/provost/vpaa/accreditation

Plan Description

The course of study at the University of Nevada, Las Vegas is an entry-level professional program designed to prepare students to enter the profession of physical therapy. A Doctor of Physical Therapy Degree is awarded following the successful completion of the program that consists of intense academic and clinical work spread over six semesters and three summers. Students are prepared as generalists, but also have an opportunity to investigate specialized aspects of physical therapy through numerous clinical exposures. The program of study consists of 112 credit hours of graduate course work. These hours are divided among classroom, clinical, and research activities.

For more information about your program, including your graduate program handbook and learning outcomes, please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

Students enrolling in any class in the Department of Physical Therapy must be admitted (graduate standing only, no graduate provisional standing accepted) to the program in the Summer semester of each year. Since enrollment is limited in the Physical Therapy program, satisfactory completion of prerequisite courses does not assure an applicant of admission. No student may take any class as a "Non-Degree Seeking" student. Admissions criteria are reviewed by the faculty annually and are subject to change.

Prior to application to the program, the individual is advised to fully explore the nature of the profession of physical therapy. Students are expected to volunteer in or visit various physical therapy facilities in order to gain a broad view of the roles and responsibilities of a physical therapist. As part of the interview process, students will be assessed on their knowledge of the scope of the profession of physical therapy.

After applications are received, they are reviewed regarding the minimum requirements, i.e., baccalaureate degree, GPAs, etc. Only the leading candidates will be

invited for interviews during the Spring semester, which are based on satisfactory completion of the admission requirements.

All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.

The following requirements are considered for admission into the Doctor of Physical Therapy program:

- Prior to entering the program, candidates must complete prerequisite courses and earn a baccalaureate degree from an accredited college or university. There is no preference given to any particular baccalaureate degree.
- A minimum overall undergraduate grade point average of 3.0 on a 4.0 scale with a minimum average of 3.0 on a 4.0 scale for prerequisite courses.
- A composite score of 300 or higher on the verbal and quantitative sections of the Graduate Record Examination (GRE) is preferred. A score of 4 out of 6 is recommended on the Analytical Writing Section of the GRE.
- Students must apply to the DPT program via the new Physical Therapy Centralized Application Service (PTCAS). Only applications from PTCAS will be considered. Please use the URL www.ptcas.org to complete your application.

The following are required with your application to PTCAS:

1. Three letters of recommendation. Two of the letters need to be from a licensed physical therapist who can evaluate the applicant's potential as a student in the physical therapy program. The remaining letter can be from a former professor or employer.
2. An autobiographical statement of approximately 300 words describing the student's professional goals and reasons for seeking graduate education in physical therapy.
3. Knowledge of the field through actual work or volunteer experience (a minimum of 100 hours or more divided among hospital and outpatient facilities). Additional hours in diversified settings are strongly recommended.
4. An interview will be required.

Information to be submitted to the Graduate College:

1. Complete and submit the Graduate College online application for admission, with appropriate fees.
2. Official transcripts from all previous college and professional schools.

The program is open to qualified applicants without regard to race, color, religion, sex, sexual orientation, age, national origin, marital status, or the presents of any physical, sensory, or mental disability.

Prerequisite Courses:

In addition to completing the requirements of a baccalaureate degree, applicants must have completed or be able to complete the necessary specific hours of prerequisite course work with a grade of at least a C prior to admission to the program. Grades below a C in prerequisite courses will not be accepted. No more than two prerequisite science courses should be in progress or incomplete and all prerequisite science courses must be completed by the end of the spring semester (quarter) prior to commencing the program. Those students in the process of fulfilling the requirements of a prerequisite course must realize that their acceptance into the program is contingent upon satisfactory completion of that course during the application process.

Courses taken on a pass-fail basis may not fulfill prerequisite requirements. Prerequisite course work must have been completed within 10 years from application cycle to fulfill requirements, which are as follows:

- One year of lecture-based biology courses
- One year of laboratory and lecture-based anatomy and physiology courses
- One year of laboratory and lecture-based inorganic chemistry
- One year of laboratory and lecture-based physics
- One year psychology (introduction to psychology and one semester of either child, adolescent, developmental or abnormal psychology)
- One semester statistics

Advisement:

All entering students will be assigned a specific faculty member for advisement.

Policies and Procedures:

Policies and procedures for didactic and clinical work regarding course grades, probation, separation, and reapplication are detailed in the Department of Physical Therapy Student Manual and Clinical Education Manual.

Objectives:

1. To prepare students to be the purveyors of physical therapy practice through clinical excellence, critical thinking, scientific inquiry, and social responsibility.
2. To prepare students to differentially diagnose enabling them to establish an appropriate plan of care and provide referral as necessary.
3. To prepare graduates who will be able to work autonomously in a wide variety of settings and roles as practitioners, clinical educators and researchers, supervisors, administrators and consultants.
4. To prepare students to adapt to changes in health care and society and be prepared to work in challenging

environments with elderly, rural, and underserved populations.

5. To educate students in the design and implementation of culturally competent health care.
6. To develop scientific practitioners, who are able to demonstrate the ability to critically analyze literature, utilize evidence-based integrated treatment approaches, and value clinical based research.
7. To prepare graduates to educate and encourage patients to achieve functional independence so they may have an improved quality of life and become more productive members of society.
8. To prepare graduates who will be able to organize and promote health awareness, wellness, and prevention education, and reintegrate populations with special needs into the community throughout-reach programs.
9. To prepare graduates to assume a leadership role in addressing critical issues that affect clinical practice, education, research, and public policy.
10. To prepare graduates to be committed to a lifetime of self-directed learning, professional development, integrity, community involvement, and to exemplify professional and personal ethics and values.
11. To prepare graduates to demonstrate understanding of medico-legal issues in physical therapy practice through active involvement in professional organization.
12. To educate students on the benefits of working interdependently with other health care professionals using a team approach to patient care.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

Total Credits Required: 112

Course Requirements

Summer Semester 1st Year Courses - Credits: 8

- DPT 726 - Professional Development I
- DPT 727 - Evidence-Based Practice in Physical Therapy
- DPT 744 - Gross Anatomy I
- DPT 744L - Gross Human Anatomy Lab I
- DPT 745 - Gross Anatomy II
- DPT 745L - Gross Human Anatomy Lab II

Fall Semester 1st Year Courses - Credits: 20

- DPT 730 - Foundations of Observation and Assessment

- DPT 730L - Foundations of Observation and Assessment Lab
- DPT 741 - Musculoskeletal I - Orthopedic Principles
- DPT 742 - Clinical and Pathological Physiology
- DPT 746 - Neuroanatomy
- DPT 746L - Neuroanatomy Lab
- DPT 774 - Prof Dev II: Psychosocial Aspects of Physical Therapy
- DPT 790 - Clinical Research in Physical Therapy

Spring Semester 1st Year Courses - Credits: 17

- DPT 732 - Therapeutic Exercise
- DPT 732L - Therapeutic Exercise Lab
- DPT 735L - Functional Training Lab
- DPT 749 - Applied Exercise Physiology
- DPT 749L - Applied Exercise Physiology Lab
- DPT 754 - Musculoskeletal II – Assessment of the Spine and Extremities
- DPT 754L - Musculoskeletal II – Assessment of the Spine and Extremities Lab
- DPT 756 - Neurophysiology

Summer Semester 2nd Year Courses - Credits: 9

- DPT 740 - Movement Science
- DPT 748 - Pharmacology
- DPT 752 - Modalities
- DPT 752L - Modalities Lab
- DPT 761 - Supervised Clinical Education I

Fall Semester 2nd Year Courses - Credits: 17

- DPT 720 - Professional Development III
- DPT 757 - Wound Care
- DPT 785 - Musculoskeletal III – Rehabilitation of the Spine and Extremities
- DPT 785L - Musculoskeletal III – Rehabilitation of the Spine and Extremities Lab
- DPT 786 - Neurological Rehabilitation
- DPT 786L - Neurologic Rehabilitation Lab
- DPT 791 - Applied Research Statistics

Spring Semester 2nd Year Courses - Credits: 15

- DPT 750 - Prosthetics and Orthotics
- DPT 750L - Prosthetics and Orthotics Lab
- DPT 758 - Diagnostic Testing and Imaging
- DPT 759 - Pediatric Rehabilitation

- DPT 759L - Pediatric Rehabilitation Laboratory Experience
- DPT 770 - Acute Care & Cardiopulmonary Rehabilitation
- DPT 770L - Acute Care and Cardiopulmonary Rehabilitation Lab
- DPT 780 - Balance and Vestibular Rehabilitation

Summer Semester 3rd Year Courses - Credits: 8

- DPT 762 - Supervised Clinical Education II
- DPT 772 - Physical Therapy Administration
- DPT 789 - Musculoskeletal IV

Fall Semester 3rd Year Courses - Credits: 9

- DPT 763 - Supervised Clinical Education III
- DPT 764 - Supervised Clinical Education IV

Spring Semester 3rd Year Courses - Credits: 9

- DPT 798 - Directed Research (3 credits)

*Course Fee

- DPT 765 - Supervised Clinical Education V

Degree Requirements

Satisfactory completion of the 112 credits of the Physical Therapy program including the required period of clinical education with a grade point average of 3.00 or higher on a scale of 4.00.

Maintain a cumulative grade point average of 3.00 or above each semester enrolled.

Receive a grade of B- or above in all required physical therapy courses. Students who do not maintain a 3.00 average or who receive any grade less than a B- in any course at the end of the semester will be notified in writing and placed on probation at that time. A second grade of C+ or lower received in any course in the ensuing semester or failure to restore the cumulative average to 3.00 or above during the ensuing semester will bring about separation from the program. The student's status in the program will be determined the Chair/Director on the recommendation of the Academic Review Committee (ARC) regarding the student's separation or action plan for remediation.

The student will not progress in the program if any of the following occur:

- An earned F in any didactic course. This results in immediate separation without the option for reapplication.
- Failure of a third attempt of any clinical competency check-off with the exception of the final practical exam.
- A failure of a final practical exam (different than the competency check-off).

- A grade of C+ or below in more than one course in any semester.
- Inability to rectify probationary status within the time frame allotted by the ARC.
- A student on probation whose actions warrant probation in another category (academic, professional behavior, clinical) may also be separated.

A student may register for a Supervised Clinical Education course only two times if the option to reapply is approved by the ARC and a recommendation is made to the department chair/director. This option is only available to students who have failed a clinical rotation and have been separated from the program. This option is not available to students failing didactic course work. A student who is registered for the same course twice and has withdrawn or received a Fail is ineligible for readmission unless otherwise approved by the ARC, Department Chair, and Graduate Dean.

The students must follow the proposed curriculum in the specified time frames unless otherwise approved by the ARC, Department Chair, and Graduate Dean.

Credit by Challenge Examination: Graduate courses in the Department of Physical Therapy may not be challenged for credit.

The program must be completed within six years from the date of matriculation. The chair/director will evaluate potential exceptions.

In addition to the course requirements, the student must satisfactorily prepare a written document and oral presentation of a final research project, professional paper, or case report. The presentation will satisfy the requirements for a final capstone experience and will be open to the public.

Students must be in good standing with the Department of Physical Therapy and cannot be on a probation status at the time of graduation. Policies related to student probation, separation, and academic progress as stated in the current physical Therapy Student Manual are in compliance with the Graduate College.

Plan Graduation Requirements

The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.

The student must submit and successfully present his/her final research project, professional paper, or case report by the posted deadline. The presentation must be advertised and is open to the public.

The student must electronically submit a pdf copy of his/her approved, properly formatted thesis, doctoral project, or dissertation to the Graduate College for format check. Once approved, the student will submit the approved electronic version to ProQuest by the posted deadline. Deadlines can be found here.

Physical Therapy Courses

DPT 710 - Selected Topics in Physical Therapy Credits 1
Forum to disseminate information to students on current and professional issues in physical therapy. Prerequisites: Graduate standing in physical therapy.

DPT 711 - Medical Terminology Credits 1
Introduction to medical terminology for the healthcare professional. Students expand their medical vocabulary via immersion in medical content and subjects from a broad spectrum of body systems. Prerequisites: Graduate standing in physical therapy.

DPT 720 - Professional Development III Credits 2
Development of skills to accurately, sensitively and assertively communicate with patients, families, and colleagues. Principles of written and oral communication, and career advancement. Professional issues including state and local laws, standards of practice, code of ethics, quality assessment and quality assurance. Emphasis on self-reflection and personal/professional growth. Same as No Prerequisites: Graduate standing in physical therapy.

DPT 721 - Advanced Topics in Physical Therapy Credits 1
Through in-class and web-assisted instruction, independent study, and mentored project development, prepares students for a variety of clinical competencies including health promotion/wellness, evaluation of alternative and complementary approaches, rural health, and other advanced aspects of clinical practice, ethics, and professional conduct related to physical therapy. Prerequisites: DPT 710

DPT 722 - Issues in Rural Health Credits 1
Unique needs of frontier/rural and underserved populations addressed, emphasizing the eclectic nature of practice in these areas, the importance of networking with other disciplines, and special considerations of these populations including functional rehabilitation, time management, travel, emergencies, and involvement of families in treatment. Prerequisites: Graduate standing in physical therapy.

DPT 726 - Professional Development I Credits 1
Concepts of professional development including knowledge and hands-on experience in skills required to engage in evidence-based practice. Development of a professional portfolio, writing and searchable clinical questions, searching the literature, and becoming acquainted with various types and sources of evidence, and beginning to critically analyze evidence for application. Grading Letter Grade. Prerequisites: Graduate standing in Physical Therapy.

DPT 727 - Evidence-Based Practice in Physical Therapy Credits 1
Knowledge and practice skills required to engage in evidence-based clinical practice of physical therapy. Refine communication and critical appraise/analysis/synthesis skills in regard to research studies. Grading Letter Grade

DPT 730 - Foundations of Observation and Assessment Credits 2
Basic patient assessment skills with introduction to posture and gait evaluation through observation. Patient history and review of the medical record. Documentation in S.O.A.P. Note and functional outcome formats. Assessment skills emphasized include: anthropometric measures, reflex and sensation testing, goniometry, manual muscle testing, vital signs, and surface palpation. Prerequisites: Graduate standing in physical therapy. Corequisite: DPT 730L

DPT 730L - Foundations of Observation and Assessment Lab Credits 2

Lab of basic patient assessment skills including posture, gait evaluation, anthropometric measures, reflex and sensation testing, goniometry, manual muscle testing, vital signs, and surface palpation. Patient history and review of medical records, documentation in SOAP format, and functional outcome formats. Prerequisites: Graduate standing in Physical Therapy. Corequisite: DPT 730

DPT 732 - Therapeutic Exercise Credits 2

Holistic approach to evaluation and management of patients with various orthopaedic pathologies and other related movement dysfunction. Emphasis placed on theoretical basis of specific exercise physiology, therapeutic exercise and functional training skills interrelated with clinical decision-making methodology. Rationale for and implementation of treatments with safety awareness and proper body mechanics. Prerequisites: DPT 730, DPT 730L; DPT 741 ; DPT 744 DPT 744L; DPT 745 DPT 745L. Corequisite: DPT 732L.

DPT 732L - Therapeutic Exercise Lab Credits 1

Laboratory sessions to practice the evaluation and management of patients (and patient scenarios) with various orthopaedic pathologies and other related movement dysfunctions. Emphasis on exercise prescription and demonstration, as well as progression. Prerequisites: DPT 730, DPT 730L; DPT 741 ; DPT 744 DPT 744L; DPT 745 DPT 745L. Corequisite: DPT 732.

DPT 735 - Functional Training and Acute Care Credits 4

Performance and application of positioning skills, transfers techniques, and assistive devices. Advancement to clinical decision-making skills and incorporation of learned materials into therapy interventions. Clinical reasoning skills in assessment, treatment design and intervention, goal development and discharge planning for patients in the acute hospital environment. Prerequisites: Graduate standing in Physical Therapy. DPT 744, 745, 730. Corequisite: DPT 735L

DPT 735L - Functional Training Lab Credits 2

Performance and application of positioning skills, transfers techniques, and assistive devices. Advancement to clinical decision-making skills and incorporation of learned materials into therapy interventions. Clinical reasoning skills in assessment, treatment design and intervention, goal development and discharge planning for patients. Grading Letter Grade. Prerequisites: Graduate Standing in Physical Therapy.

DPT 740 - Movement Science Credits 2

This course will introduce students to principles and theories in movement science. Students will be introduced to concepts related to motor control, motor development, and motor learning. Students will also apply these principles to the clinical practice of physical therapy and to observe and assess related phenomena in patients. Prerequisites: Enrollment in professional DPT curriculum.

DPT 741 - Musculoskeletal I - Orthopedic Principles Credits 3

Principles of orthopaedic physical therapy including biomechanics, applied anatomy, and osteokinematic and arthrokinematic concepts examined. Musculoskeletal system investigated from histological, structural, and functional perspectives. Prerequisites: Graduate standing in physical therapy.

DPT 742 - Clinical and Pathological Physiology Credits 3

Fundamentals of physiology and pathology related to diseases causing abnormal movement patterns or capabilities. Processes and diseases most frequently encountered in physical therapy practice emphasized. Prerequisites: Graduate standing in physical therapy.

DPT 744 - Gross Anatomy I Credits 2

Study of gross human anatomy as it applies to physical therapy. Materials to be covered include: muscle, tendon, ligament and nerve innervation of the trunk and upper extremity, structural identification and function of the spine, heart, lungs, abdominopelvic organs, circulatory and sensory systems. Emphasis on relevance of gross anatomy to physical therapy practice. Involves both lecture and laboratory dissection that will cover the upper half of the body. Prerequisites: Graduate standing in Physical Therapy. Corequisite: DPT 744L

DPT 744L - Gross Human Anatomy Lab I Credits 1

Gross human anatomy cadaver lab with supervised dissection and exploration of muscle, tendon, ligament and nerve innervation of the trunk and upper extremity, structural identification and function of the spine, heart, lungs, abdominopelvic organs, circulatory and sensory systems. Corequisite: DPT 744 - Gross Anatomy I

DPT 745 - Gross Anatomy II Credits 2

Study of gross human anatomy as it applies to physical therapy. Materials to be covered include: muscle, tendon, ligament and nerve innervation of the head, neck, and lower extremity, structural identification and function of the corresponding circulatory and sensory systems. Prerequisites: DPT 744 and DPT 744L Corequisite: DPT 745L

DPT 745L - Gross Human Anatomy Lab I Credits 1

Gross human anatomy cadaver lab with supervised dissection and exploration of muscle, tendon, ligament and nerve innervation of the head, neck, and lower extremity, structural identification and function of the corresponding circulatory and sensory systems. Prerequisites: DPT 744 and DPT 744L Corequisite: DPT 745

DPT 746 - Neuroanatomy Credits 3

High level immersion into the anatomy of the nervous system, emphasizing structure and functional relationships. Coursework will also relate the structural relationships of the central and peripheral nervous systems to brain dysfunction and pathology. Prerequisites: Graduate standing in physical therapy. Corequisite: DPT 746L

DPT 746L - Neuroanatomy Lab Credits 1

Human cadaveric dissection of the central nervous system through a series of weekly laboratory experiences with an emphasis on its three-dimensional structure. Prerequisites: Graduate standing in Physical Therapy. Corequisite: DPT 746

DPT 747 - Geriatric Examination and Intervention Credits 1

Examination, evaluation, plan of intervention, outcomes, patient education, and health promotion as applied to the geriatric client. Issues include factors affecting normal aging, pathological aging, common pathologies associated with aging, quality of life, successful aging, care settings, reimbursement, and public policy. Prerequisites: Graduate standing in physical therapy.

DPT 748 - Pharmacology Credits 2

Actions and effects of pharmaceutical agents commonly encountered in physical therapy clinical practice. Prerequisites: Graduate standing in Physical Therapy.

DPT 749 - Applied Exercise Physiology Credits 2

Review of systems responsible for the generation of energy. Overview of the physiologic responses of the human body to acute bouts of exercise and how training leads to chronic adaptation of selected systems. Course content focuses on principles of exercise, role of nutrients in body metabolism, human development and performances. Prerequisites: Graduate standing in physical therapy. Corequisite: DPT 749L - Applied Exercise Physiology Lab

DPT 749L - Applied Exercise Physiology Lab Credits 1

Laboratory and active learning experiences to include major components of physical fitness such as aerobic fitness; muscular strength, power, and endurance; fatigue thresholds; body composition and body build; and flexibility. Prerequisites: Graduate standing in Physical Therapy. Corequisite: DPT 749.

DPT 750 - Prosthetics and Orthotics Credits 2

Evaluation of medical, surgical and prosthetic and rehabilitation management of amputations. Discussion of design, fabrication and fitting of prosthetic devices as well as general orthotic principles examined. Basic clinical problem solving skills integrated in the context of prosthetic and orthotic management of patients. Prerequisites: Graduate standing in Physical Therapy. Corequisite: DPT 750L

DPT 750L - Prosthetics and Orthotics Lab Credits 1

Application of medical, surgical and prosthetic and rehabilitation management of amputations. Design, fabrication and fitting of prosthetic devices as well as general orthotic principles examined. Basic clinical problem solving skills integrated in the context of prosthetic and orthotic management of patients. Prerequisites: Graduate standing in Physical Therapy. Corequisite: DPT 750

DPT 751 - Women's Health in Physical Therapy Credits 2

Overview of the anatomical, physiological, nutritional, psychological, and sociological influences throughout the woman's life span including: adolescence, the reproductive years, the middle years, the older age. Discussion of physical therapy management of musculoskeletal, integumentary, cardiopulmonary, and visceral pathologies common to women. Prerequisites: Graduate standing in physical therapy.

DPT 752 - Modalities Credits 1

Biological processes of injury and repair, clinical application of soft tissue techniques, thermal agents, intermittent compression, continuous motion, electrical stimulation, and mechanical traction. Principles of electrophysics and neurophysiology as they pertain to the use of therapeutic electrical stimulation. Advancement to clinical decision-making skills in physical application. Grading Letter grade

DPT 752L - Modalities Lab Credits 1

Hands on performance and clinical application of soft tissue techniques, thermal agents, intermittent compression, continuous motion, electrical stimulation, mechanical traction, therapeutic electrical stimulation.

DPT 753 - Electrotherapy Credits 2

Principles of a electrophysics and neurophysiology as they pertain to the use of therapeutic electrical stimulation. Application techniques of various electrical stimulation devices also presented. Prerequisites: DPT 742, DPT 752, DPT 730, DPT 732.

DPT 754 - Musculoskeletal II – Assessment of the Spine and Extremities Credits 4

Orthopedic evaluation and assessment of the spine and extremities. Functional anatomy, biomechanics, and evaluative manual therapy skills used to functionally diagnose orthopaedic pathologies and disorders.

DPT 754L - Musculoskeletal II – Assessment of the Spine and Extremities Lab Credits 2

Orthopedic evaluation and assessment of the spine and extremities. Functional anatomy, biomechanics, and evaluative manual therapy skills used to functionally diagnose orthopaedic pathologies and disorders.

DPT 755 - Geriatric and Pediatric Rehabilitation Credits 3

Examination of factors affecting normal and pathologic systems from birth into aging. Issues include normal developmental sequences and common pathologies across the life span. Evaluation, wellness and leisure activities, and how basic rehabilitation procedures can be modified for the elderly. Prerequisites: Graduate standing in physical therapy.

DPT 756 - Neurophysiology Credits 3

High level immersion into the function of the human central and peripheral nervous systems based on current research and theory. Topics include normal human motor and sensory neurophysiology, cognitive and learning neurophysiology, neuropathophysiology, neuroplasticity, neurodiagnostics and neurologic treatment options.

DPT 757 - Wound Care Credits 2

Clinical practice of wound care including physiology of tissue healing, wound assessment tools, dressings and treatment approaches. Processes and diseases most frequently encountered in physical therapy practice specializing in wound care. Prerequisites: DPT 742, DPT 752

DPT 758 - Diagnostic Testing and Imaging Credits 2

Presentation of diagnostic tests used by disciplines and specialties within and outside of the profession of physical therapy. Discussion of blood studies, nuclear medicine studies, and radiologic/X-ray studies. Interpretation of test results as it applies to physical therapy evaluation, intervention planning and treatment. Prerequisites: Graduate standing in physical therapy.

DPT 759 - Pediatric Rehabilitation Credits 2

Provides foundational knowledge of development (typical and atypical) and an overview of pediatric physical therapy practice for children with atypical development. Presents examination, evaluation, and development of physical therapy plans of care for children with various disabilities within the frameworks of family-centered care and disablement/enablement models. Prerequisites: Graduate standing in Physical Therapy. Corequisite: DPT 759L

DPT 759L - Pediatric Rehabilitation Laboratory Experience Credits 1

Focuses on application of developmental concepts and an overview of pediatric physical therapy practice for children with atypical development. Provides students with opportunities to observe/engage in examination, evaluation, and development of physical therapy plans of care for children with various disabilities within the frameworks of family-centered care and enablement models Prerequisites: Graduate standing in Physical Therapy. Corequisite: DPT 759

DPT 761 - Supervised Clinical Education I.... Credits 3

The first clinical affiliation is a supervised full-time extended clinical learning experience six weeks in duration. The primary purpose is to provide students with the opportunity to actively engage in learning in order to develop introductory clinical competence in the delivery of services to persons with movement dysfunction. Prerequisites: Successful completion of all course work in the first year of the graduate physical therapy program.

DPT 762 - Supervised Clinical Education II Credits 3

This second clinical affiliation is a supervised intermediate full-time clinical education experience. Provides the opportunity to actively engage in experiential learning in order to advance clinical competence in the delivery of services to persons with movement dysfunction. Competence level of Intermediate to Advanced Intermediate is expected to be achieved. Grading S/F Prerequisites: DPT 761

DPT 763 - Supervised Clinical Education III Credits 3

This third clinical affiliation is a supervised intermediate full-time clinical education experience. Provides the opportunity to actively engage in experiential learning in order to advance clinical competence in the delivery of services to persons with movement dysfunction. Advanced Intermediate competence level is expected to be achieved. Grading S/F Prerequisites: DPT 762

DPT 764 - Supervised Clinical Education IV Credits 6

The fourth clinical affiliation is twelve weeks and is a supervised full-time extended clinical learning experience. The primary purpose is to provide students with the opportunity to actively engage in experiential learning in order to advance clinical competence in the delivery of services to persons with movement dysfunction. Prerequisites: DPT 763

DPT 765 - Supervised Clinical Education V Credits 6

This fifth clinical affiliation is a supervised terminal full-time clinical education experience. Provides the opportunity to actively engage in experiential learning in order to advance clinical competence in the delivery of services to persons with movement dysfunction. Entry level competence is expected to be achieved. Grading S/F Prerequisites: DPT 764

DPT 770 - Acute Care & Cardiopulmonary Rehabilitation Credits 3

Preparation for evaluation and treatment of people with acute health conditions as well as chronic cardiopulmonary disease and dysfunction. Emphasis on regulation of cardiac, circulatory and pulmonary system response to rehab. Details the elements of patient and client management in acute care and cardiopulmonary care through the lifespan.

DPT 770L - Acute Care and Cardiopulmonary Rehabilitation Lab Credits 2

Lab preparation for evaluation and treatment of people with acute health conditions as well as chronic cardiopulmonary disease and dysfunction. Emphasis on regulation of cardiac, circulatory and pulmonary system response to rehab. Details the elements of patient and client management in acute care and cardiopulmonary care through the lifespan.

DPT 772 - Physical Therapy Administration Credits 2

General principles of organizations and administration that impact the ethical and legal aspects of physical therapy practice. Topics include budget development, cost accounting, supervision, communication skills, evaluative techniques, and methods of management and quality assurance. Prerequisites: Graduate standing in physical therapy.

DPT 774 - Prof Dev II: Psychosocial Aspects of Physical Therapy Credits 3

Examination of psychosocial issues related to healthcare. Emphasis will be placed on the influence of social determinants of health on health behaviors and treatment outcomes, developing ongoing proficiency relative to all forms of cultural differences, and developing self-reflection strategies to support ongoing personal and professional growth as a healthcare provider. Grading Letter Grade Prerequisites: Graduate standing in physical therapy.

DPT 780 - Balance and Vestibular Rehabilitation Credits 2

Principles and theories of rehabilitation for the patient with balance dysfunction. There will be emphasis on sound clinical reasoning and assessment of balance impairment and disability. Theoretical applications of different treatment modalities in balance and vestibular rehabilitation.

DPT 785 - Musculoskeletal III - Rehabilitation of the Spine and Extremities Credits 3

Manual therapy and therapeutic exercise techniques for the extremities with emphasis on integrating these techniques into treatment regimes for specific orthopaedic pathologies/disorders. Includes pathogenesis, clinical presentation, medical/surgical management and rehabilitation. Review, integrate, and enhance knowledge from previous course work as it pertains to appropriate entry-level application.

DPT 785L - Musculoskeletal III - Rehabilitation of the Spine and Extremities Lab Credits 2

Orthopaedic Rehabilitation lab with supervised integration of manual therapy and therapeutic exercise techniques for the extremities. Focus will be on developing and providing treatment regimes for specific orthopaedic pathologies/disorders. Students will refine skills from previous course work as it pertains to appropriate entry-level application.

DPT 786 - Neurological Rehabilitation Credits 3

Fostering clinical reasoning and critical analysis skills across elements of patient client management for individuals with neurologically-based movement disorders. Apply theory and movement science concepts to clinical reasoning. Incorporate professional behavior, scientific and clinical knowledge, and critical analysis to clinical situations.

DPT 786L - Neurologic Rehabilitation Lab Credits 2

Hands-on skill development, clinical reasoning, and critical analysis skills for all elements of patient client management for individuals with neurologically-based movement disorders across the lifespan. Incorporate professional behavior, scientific and clinical knowledge, critical analysis and competent skill performance in laboratory and practical skill application.

DPT 787 - Integrated Rehabilitation Credits 2

Assessment and treatment of advanced orthopedics, advanced neurological, and spinal cord injured patients utilizing comprehensive techniques for spinal cord injury (SCI), orthopedics, and neurological treatment. Through dynamic patient case problems, students evaluate, plan, and implement course of treatment. Prerequisites: Graduate standing in Physical Therapy and DPT 785 and DPT 786. Corequisite: DPT 787L

DPT 787L - Integrated Rehabilitation Lab Credits 1

Hands on assessment and treatment of advanced orthopedics, advanced neurological, and spinal cord injured patients utilizing comprehensive techniques for spinal cord injury (SCI), orthopedics, and neurological treatment. Through dynamic patient case problems, students will be able to evaluate, plan, and implement a course of treatment. Prerequisites: Graduate standing in Physical Therapy and DPT 785 and DPT 786. Corequisite: DPT 787

DPT 788 - Spine Examination and Treatment Credits 2

Spine examination including biomechanics, observation, range of motion, muscle strength, joint play and special tests. Inclusion of examination schema, clinical reasoning skills and differential diagnosis of commonly seen spine pathology. Emphasis on hands-on examination, assessment, and treatment including manual therapy, spinal mobilization and spinal manipulation skills. Prerequisites: Graduate standing in physical therapy. Corequisite: DPT 788L

DPT 788L - Spine Examination and Intervention Lab**Credits 1**

Lab sessions focusing on hands-on examination, assessment, and treatment of spine dysfunction, including manual therapy, spinal mobilization and spinal manipulation skills. Prerequisites: Graduate standing in Physical Therapy or consent of instructor. Corequisite: DPT 788

DPT 789 - Musculoskeletal IV**Credits 2**

Overview of the musculoskeletal, physiological, nutritional, psychological, and sociological influences throughout the life span as it relates to differential diagnosis. Through case-based learning, develops a clinical reasoning approach that encourages gathering and analyzing data, posing and solving problems, inferring, hypothesizing, and making clinical judgments. Grading Letter Grade.

DPT 790 - Clinical Research in Physical Therapy**Credits 3**

Introduction to principles and concepts of clinical research in physical therapy. Covers development of the research question, measurement issues, statistical analysis, literature review, and writing of results. Prerequisites: Graduate standing in physical therapy.

DPT 791 - Applied Research Statistics**Credits 3**

Review of foundations, concepts of measurement, and design in clinical research. Emphasis on hands-on data analysis of clinically relevant physical therapy research designs including descriptive statistics, statistical inference, analysis of differences, and analysis of relationships. Prerequisites: Graduate standing in physical therapy.

DPT 793 - Seminar**Credits 1**

Preparation and presentation of seminars on topics of current interest in physical therapy and rehabilitation. Topic changes by semester and by course instructor; see class schedule for details. Prerequisites: Enrollment in professional DPT curriculum.

DPT 795 - Independent Study**Credits 1 – 6**

Students pursue a topic related to physical therapy beyond that covered in the graduate curriculum. Satisfactory completion accomplished through individualized, self-directed study. Topics based on student preference and faculty approval. Faculty and student jointly determine goals, objective and evaluation methods. Notes: May be repeated to a maximum of six credits. Prerequisites: Graduate standing in physical therapy.

DPT 798 - Directed Research**Credits 1 – 6**

Critical inquiry by participating in new or ongoing research with faculty who serve as project advisors. Students summarize research by a written report and present each project orally to the faculty and area clinicians. Notes: May be repeated to a maximum of six credits. Prerequisites: DPT 790

PTS 703 - Measurement Theory and Outcomes in Rehabilitation**Credits 3**

Theoretical and practical foundations for measurement in rehabilitation research. Concepts include importance and uses of outcomes research to measure body structures and functions, functional behaviors and activities, participation and quality of life, and consumer satisfaction. Challenges of designing and measuring outcomes in diverse populations across the lifespan will also be considered. Prerequisites: Admission to PhD in Interdisciplinary Health Sciences program.

PTS 713 - Genomic and Regenerative Rehabilitation Concepts**Credits 3**

Current perspectives on the emerging impact of regenerative medicine and genomic technologies that have potential to drive progress in the prevention and treatment of acute and chronic condition resulting from injury, disease or aging.

PTS 714 - Neuroplasticity**Credits 3**

Comprehensive overview of the neurobiological mechanisms and treatment principles of neuroplasticity and how to integrate and apply them to clinical practice.

PTS 715 - Pathobiomechanics**Credits 3**

The course is designed to introduce the concepts of biomechanical research regarding musculoskeletal pathologies, including kinematics, kinetics, and electromyography at the whole body and joint level. How alterations of connective tissue and muscle mechanics contribute to musculoskeletal pathologies is also discussed.

PTS 744 - Gross Human Anatomy**Credits 3**

Gross anatomy studied regionally stressing relationships of major structures, organs, vessels and nerves. Prosected human cadaver observation by students included in laboratory session (PTS 744L). All major areas of the body covered. Reference to the relationship of anatomical structures to pathology, traumatic injury and medicine stressed. Prerequisites: Undergraduate Anatomy, Physiology or Biology lab course. Corequisite: PTS 744L

PTS 744L - Gross Human Anatomy Lab**Credits 1**

Gross human anatomy cadaver lab with supervised examination and exploration of prosected human cadavers. All major areas of the body are covered. References to the relationship of anatomical structures to pathology, traumatic injury and medicine stressed. Prerequisites: Undergraduate Anatomy, Physiology or Biology lab course or equivalent. Corequisite: PTS 744

PTS 747 - Human Neuroanatomy**Credits 3**

High level immersion, including cadaveric prosection, into the anatomy of the central nervous system, emphasizing structure and functional relationships. Coursework will also relate these structural relationships to brain dysfunction and pathology. Prerequisites: Graduate standing.

Brain Health

Jefferson Kinney, Ph.D., Chair

Janet Dufek, Ph.D., Graduate Coordinator

Plans

Occupational Therapy Doctorate

Post-Professional Occupational Therapy Doctorate

Occupational Therapy Doctorate

Plan Description

This is a program for those students who wish to pursue careers as occupational therapists. Completing this curriculum would enable students to sit for the National Board for Certification in Occupational Therapy (NBCOT) certification examination which would then enable them to apply for licensure as a registered occupational therapist (OTR) in Nevada or other states.

For more information about your program, including your graduate program handbook and learning outcomes, please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

1. Students applying to the OTD program have an earned baccalaureate degree from an accredited academic institution with a minimum grade point average of 3.0 on a 4.0 scale. The degree may be in any area of study as long as the student has successfully completed the following pre-requisite coursework:

Statistics (1 course)

Biology (2 courses)

Anatomy & Physiology (2 courses) with labs

Psychology (3 courses - Introductory, Developmental & Abnormal)

Anthropology or Sociology (1 course)

All pre-requisite coursework will need to be completed by the end of the Spring semester prior to admission to the program in the Summer term.

2. Students must have completed a minimum of 40 hours of observation with a licensed occupational therapist in a minimum of two different practice settings.
3. Applicants to the program will be asked to submit a personal essay as part of the application.
4. Students will submit 3 letters of recommendation, one of which must be from a licensed occupational therapist that provided some of the observation hours.

5. In-person interviews will be offered to qualified applicants.

All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

Total Credits Required: 120

Course Requirements

Summer Semester 1st Year Courses - Credits: 9

- OCT 720 - Functional Anatomy with Lab
- OCT 721 - Foundations of Occupational Therapy

Fall Semester 1st Year Courses - Credits: 18

- OCT 722 - Neuroscience for Occupational Therapy
- OCT 723 - Functional Movement Kinesiology with Lab
- OCT 724 - Mental Health Practice I with Adults/Older Adults
- OCT 725 - Mental Health Practice I with Adults/Older Adults Lab
- OCT 726 - Occupational Therapy Practice I with Adults/Older Adults
- OCT 727 - Occupational Therapy Practice I with Adults/Older Adults Lab
- OCT 728 - Evidence-Based Practice I Quantitative Research
- OCT 729 - Fieldwork IA

Spring Semester 1st Year Courses - Credits: 18

- OCT 730 - Culture and Occupational Therapy Practice
- OCT 731 - Mental Health Practice II with Adults/Older Adults
- OCT 732 - Mental Health Practice II with Adults/Older Adults Lab
- OCT 733 - Occupational Therapy Practice II with Adults/Older Adults
- OCT 734 - Occupational Therapy Practice II with Adults/Older Adults Lab
- OCT 735 - Health and Wellness Interventions with Adults/Older Adults
- OCT 736 - Evidence-Based Practice II - Qualitative Research
- OCT 737 - Teaching and Learning I
- OCT 738 - Fieldwork IB

Summer Semester 2nd Year Courses - Credits: 8

- OCT 740 - Fieldwork IIA
- OCT 741 - Prof Develop Seminar I

Fall Semester 2nd Year Courses - Credits: 15

- OCT 742 - Mental Health Pract Children
- OCT 743 - Mental Health Practice with Children/ Youth Lab
- OCT 744 - Occupational Therapy Practice I with Children/Youth
- OCT 745 - Occupational Therapy Practice I with Children/Youth Lab
- OCT 746 - Driving and Community Mobility
- OCT 747 - Occupational Therapy Leadership I
- OCT 748 - Professional Service Management
- OCT 749 - Fieldwork IC

Spring Semester 2nd Year Courses - Credits: 17

- OCT 750 - Assistive Tech & Environ Mod
- OCT 751 - Pain Management
- OCT 752 - Health & Wellness Children
- OCT 753 - Occupational Therapy Practice II with Children/Youth
- OCT 754 - Occupational Therapy Practice II with Children/Youth Lab
- OCT 756 - Occupational Therapy Leadership II
- OCT 757 - Introduction to Social Determinants of Health
- OCT 758 - Fieldwork ID
- OCT 766 - Systematic Reviews

Summer Semester 3rd Year Courses - Credits: 8

- OCT 760 - Fieldwork IIB
- OCT 761 - Professional Dev Seminar II

Fall Semester 3rd Year Courses - Credits: 15

- OCT 755 - Program Development and Grant Funding
- OCT 762 - Health Poli & Advoc
- OCT 763 - OT Leadership III
- OCT 764 - Teaching & Learning II
- OCT 765 - Emerging Practice Primary Care
- OCT 768 - Fieldwork IE
- OCT 800 - Capstone Preparation

Spring Semester 3rd Year Courses - Credits: 12

- OCT 801 - Capstone Experience
- OCT 802 - Capstone Project

Degree Requirements

1. In order to graduate from the proposed OTD program, students will have to have successfully completed all academic courses and fieldwork experiences with a grade of "B" or better and maintain an overall grade point average of at least 3.0. Grades below "B" will not be acceptable. If the student receives a grade below "B", then the student must retake the class. If the student does not satisfactorily earn a grade of "B" on the second attempt, the student will be dismissed from the program.
2. Students will complete a comprehensive examination which will be the Occupational Therapy Knowledge Exam (OTKE). The comprehensive exam will be taken at the end of the Summer term of Year Three and must be successfully passed before they take classes in the Fall semester of Year Three. If the student does not earn a passing grade on this exam, they will be placed on probation and allowed to retake it again after a minimum of three months. If they fail a second time they will be dismissed from the program.

Plan Graduation Requirements

1. Doctoral Experiential Component (14 weeks)
2. Final Capstone Project
3. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
4. The student must submit and successfully present his/her final research project, professional paper, or case report by the posted deadline. The presentation must be advertised and is open to the public.
5. The student must electronically submit a pdf copy of his/her approved, properly formatted thesis, doctoral project, or dissertation to the Graduate College for format check. Once approved, the student will submit the approved electronic version to ProQuest by the posted deadline. Deadlines can be found here.

Post-Professional Occupational Therapy Doctorate

Plan Description

The mission of the UNLV post-professional OTD Program in Occupational Therapy is to provide practicing occupational therapists with advanced knowledge and skills so that they can advance in their respective careers to positions in leadership, advanced clinical practice, or higher education. The proposed program will provide an evidence-based and sequenced curriculum that will enable graduates to transition into leadership, advanced clinical practice, and/or higher education positions.

For more information about your program, including your graduate program handbook and learning outcomes,

please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

Admission Requirements:

A degree in occupational therapy from an entry-level educational program accredited by the Accreditation Council for Occupational Therapy Education (ACOTE)

Initially certified by the National Board for Certification in Occupational Therapy (NBCOT)

An earned Master's degree from an accredited academic institution

Current licensure as an occupational therapist (OTR)

Minimum overall grade point average of 3.00 (4.00=A) for the last two years of your academic coursework (60 semester hours).

Application Process:

1. Students must complete a UNLV Graduate College Application via the Grad Rebel Gateway portal.
2. Submit a nonrefundable admission application fee, payable check, money order, or online by credit card of \$60 (\$95 if you are an international student) to the Board of Regents, UNLV. *Note: Applications and materials will not be processed until the application fee is received. Applicants to any UNLV graduate program must pay the admission application evaluation fee for each application filed. Denied applicants, who later seek admission to the same or other UNLV degree program, are required to pay an additional application fee.
3. Submit official transcripts from all postsecondary institutions attended, showing all degrees and coursework, the dates awarded, and grades received. *Note: Only transcripts sent directly from the institution and delivered unopened to the UNLV Graduate College are considered official. Failure to disclose all course work and/or degrees awarded will result in rescission of admission.
4. Submit the following additional admission materials required by the Post-Professional Occupational Therapy Doctorate Program (PP-OTD) degree program:
 1. Current curriculum vitae or resume.
 2. Statement of purpose addressing the applicant's objectives for his/her doctoral education, including area of clinical expertise, and potential areas of research focus. Statement should be 2-3 pages in length.
 3. Copy of initial certification from the National Board

for Certification in Occupational Therapy (NBCOT) or, if international student, other national certification agency.

5. Copy of current occupational therapy license within a jurisdiction in the United States (if applicable).
6. Three letters of recommendation attesting to your ability to successfully engage in and complete doctoral level work (e.g., critical thinking, communication skills, ability to use therapy literature to guide practice), capacity to be a leader in the occupational therapy profession, and ability to work collaboratively to achieve professional outcomes. The letters must be signed and dated, and letterhead should be used when available. References may be from a supervisor, a colleague, or professor; one of these letters must be from an occupational therapist.
7. For International Students, submit:
 1. Copy of initial certification from the national certification agency/board in the country received.
 2. Proof of English Proficiency if English is not the applicant's first language.
 3. Transcripts from academic institutions outside the U.S. may require a foreign credential evaluation.

All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

Total Credits Required: 36

Course Requirements

Summer Semester 1st Year Courses - Credits: 6

- OCT 701 - Advanced Clinical Practice in Occupational Therapy
- OCT 702 - Leadership and Advocacy in Occupational Therapy Practice

Fall Semester 1st Year Courses - Credits: 6

- OCT 703 - Evidence-Based Practice in Occupational Therapy
- OCT 704 - Teaching Adult Learners/Pedagogy

Spring Semester 1st Year Courses - Credits: 6

- OCT 705 - Distance Education and Telehealth
- OCT 706 - Social Determinants of Health

Summer Semester 2nd Year Courses - Credits: 6

- OCT 707 - Evidence Based Education
- OCT 708 - Issues in Higher Education and Healthcare

Fall Semester 2nd Year Courses - Credits: 6

- OCT 709 - Occupational Therapy Capstone I
- OCT 710 - Program Development and Evaluation Program

Spring Semester 2nd Year Courses - Credits: 6

- OCT 711 - Capstone II
- OCT 712 - Innovations in Occupational Therapy Practice

Degree Requirements

Capstone I (3 cr) and Capstone II (3 cr).

Completion of the 36 credit program with a minimum of GPA of 3.0 throughout the program.

Plan Graduation Requirements

1. Candidates must maintain a minimum GPA of 3.0 throughout the 36 credit program.
2. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
3. The student must submit and successfully present his/her final research project, professional paper, or case report by the posted deadline. The presentation must be advertised and is open to the public.
4. The student must electronically submit a pdf copy of his/her approved, properly formatted thesis, doctoral project, or dissertation to the Graduate College for format check.
5. Once approved, the student will submit the approved electronic version to ProQuest by the posted deadline. Deadlines can be found here.

Brain Health Courses

OCT 701 - Advanced Clinical Practice in Occupational Therapy Credits 3

Exploration of concepts in professional development competence by creating and examining professional development plans related to clinical practice, assessment, and level of competencies. Grading Letter grade Prerequisites: Admission to the PP-OTD program.

OCT 702 - Leadership and Advocacy in Occupational Therapy Practice Credits 3

Reviews contemporary leadership theories including change theory associated with self-assessment, leadership, and advocacy efforts. Grading Letter grade Prerequisites: Admission to the PP-OTD program.

OCT 703 - Evidence-Based Practice in Occupational Therapy Credits 3

Explores the principles of evidence-based practice, utilizing various methods to conduct systematic reviews. Focuses on analyzing evidence in order to improve clinical interventions in practice and applying best practices for teaching evidence-based coursework in occupational therapy education programs. Grading Letter grade Prerequisites: OCT 701 and OCT 702

OCT 704 - Teaching Adult Learners/Pedagogy Credits 3

Adult learning theories, educational approaches and models utilized in educational settings in occupational therapy will be reviewed. The development of educational programs to meet accreditation standards will be studied and strategies will be presented and discussed. Grading Letter grade Prerequisites: Successful completion of OCT 701 and OCT 702

OCT 705 - Distance Education and Telehealth Credits 3

Examination of the use of instructional technology strategies, principles of online learning, and best practices of instructional technology. Telemedicine/telehealth practice within occupational therapy will be explored, looking at ways this medium delivers healthcare to patients who are geographically separated from providers. Grading Letter grade Prerequisites: Successful completion of OCT 701, OCT 702, OCT 703 and OCT 704

OCT 706 - Social Determinants of Health Credits 3

Exploration of health social determinants and the accreditation standards that require academic programs to address them in occupational therapy curricula. Examines epidemiological factors that impact the public health and welfare of populations and identifies strategies for teaching in entry-level educational programs. Grading Letter grade Prerequisites: Successful completion of OCT 701, OCT 702, OCT 703 and OCT 704

OCT 707 - Evidence Based Education Credits 3

This field of inquiry focuses on finding, critiquing, and implementing the highest quality research evidence in educational practices. Research will be reviewed to explore teaching practices that can lead to optimal educational experiences, improve learning outcomes, and increase audience satisfaction. Grading Letter grade Prerequisites: Successful completion of OCT 701, OCT 702, OCT 703, OCT 704, OCT 705 and OCT 706

OCT 708 - Issues in Higher Education and Healthcare Credits 3

Discourse around current issues in higher education will be the focus along with a critical analysis of those issues. Issues and problems affecting the current U.S. healthcare system will also be discussed and analyzed. Potential ideas for solutions and future directions will be shared and debated. Grading Letter grade Prerequisites: Successful completion of OCT 701, OCT 702, OCT 703, OCT 704, OCT 705 and OCT 706

OCT 709 - Occupational Therapy Capstone I Credits 3
Knowledge and skills acquired during doctoral coursework will be integrated into a scholarly project designed by the student to meet his or her professional goals. A scholarly paper will be written that outlines the Capstone Project. Students will prepare and then defend their proposal before a committee. Grading Letter grade Prerequisites: Successful completion of OCT 701, OCT 702, OCT 703, OCT 704, OCT 705, OCT 706, OCT 707 and OCT 708

OCT 710 - Program Development and Evaluation Program Credits 3
The development, implementation, and evaluation of community health programs, assessment of academic programs and community health needs from a public health perspective. Grading Letter grade Prerequisites: Successful completion of OCT 701, OCT 702, OCT 703, OCT 704, OCT 705, OCT 706, OCT 707, OCT 708 and OCT 709

OCT 711 - Capstone II Credits 3
The capstone project process continues and is a course of knowledge synthesis and application rather than formal instruction, in which the action or program proposed during Capstone Project I will be carried out. A scholarly project will result that synthesizes what has been learned throughout the program and which leads to publication and presentation. Grading Letter grade Prerequisites: Successful completion of OCT 701, OCT 702, OCT 703, OCT 704, OCT 705, OCT 706, OCT 707, OCT 708, OCT 709 and OCT 710

OCT 712 - Innovations in Occupational Therapy Practice Credits 3
Innovative occupational therapy and emerging areas of practice. Unique practice niches will be developed in areas of education, policy, advocacy, clinical practice, management, or leadership. Grading Letter grade Prerequisites: Successful completion of OCT 701, OCT 702, OCT 703, OCT 704, OCT 705, OCT 706, OCT 707, OCT 708, OCT 709 and OCT 710

OCT 720 - Functional Anatomy with Lab Credits 6
Examines human musculoskeletal anatomy with emphasis on the practice of occupational therapy - a functional understanding of bones, muscles and their innervation, action and on common injuries to bones, muscles, tendons, and nerves. Grading Letter grade Prerequisites: Admission into the OTD program.

OCT 721 - Foundations of Occupational Therapy Credits 3
Review of historical and theoretical development of the profession and their impact on the current practice. Exploration of occupational therapy processes and professional ethics; concepts of occupation, activity, purposeful activity and participation including activity analysis and the link to health and wellness. Grading Letter grade Prerequisites: Admission to the OTD program.

OCT 722 - Neuroscience for Occupational Therapy Credits 3
Comprehensive study and in-depth knowledge of the structure and function of the central, peripheral, somatosensory, motor, and autonomic nervous systems. Emphasis on examining the functions of the nervous system and the neurological basis of dysfunction related to occupational performance. Grading Letter grade Prerequisites: Admission to the OTD Program.

OCT 723 - Functional Movement Kinesiology with Lab Credits 3
Review of joint and muscle structure and function; application of basic biomechanical, neuromuscular and musculoskeletal principles to the analysis of everyday activities and therapeutic interventions. Laboratory sessions focus on mechanics and musculoskeletal involvement in movement and measurement of range of motion and manual muscle testing. Grading Letter

grade Prerequisites: Admission to the OTD program and successful completion of previous courses in the curriculum.

OCT 724 - Mental Health Practice I with Adults/Older Adults Credits 3
Explores therapeutic use of self and theoretical models for group occupational therapy practice. Examines group structure, dynamics, process, development, and roles. Leading/co-leading therapy groups and developing group protocols. Grading Letter grade Prerequisites: Admission to the OTD program and successful completion of all previous coursework in the OTD curriculum. Corequisite: OCT 725

OCT 725 - Mental Health Practice I with Adults/Older Adults Lab Credits 1
Development of skills in therapeutic use of self, various components of group structure, dynamics, process, development, and roles. Develops group protocol and leading/co-leading therapy groups. Grading Letter grade Prerequisites: Admission to the OTD program and successful completion of all previous coursework in the OTD curriculum (including OCT 720 and OCT 721). Corequisite: OCT 724

OCT 726 - Occupational Therapy Practice I with Adults/Older Adults Credits 3
Examines the physical conditions and diseases that are seen in occupational therapy practice with adults with focus on evaluations, documentation and evidence-based intervention plans. Grading Letter grade Prerequisites: Admission into the OTD program and successful completion of all previous coursework in the OTD curriculum (OCT 720 and OCT 721). Corequisite: OCT 727

OCT 727 - Occupational Therapy Practice I with Adults/Older Adults Lab Credits 1
Focuses on several evaluations and interventions utilized in practice with individuals who have physical disabilities across the lifespan. Orthotics fabrication, fitting, and training, dysphagia evaluation and intervention, and physical agent modalities. Grading Letter grade Prerequisites: Admission to the OTD program and successful completion of all previous coursework in the OTD curriculum (OCT 720 and OCT 721). Corequisite: OCT 726

OCT 728 - Evidence-Based Practice I Quantitative Research Credits 3
Focus on quantitative research methods and statistics: design research studies, collect and analyze data; ethical policies and procedures. Critical analysis of published research. Grading Letter grade Prerequisites: Admission to the OTD program and successful completion of all previous coursework in the OTD program (OCT 720 and OCT 721)

OCT 729 - Fieldwork IA Credits 1
Clinical site placement focused on clinical practice and working therapeutically with clients. Develop observational, interpersonal and communication skills. Grading Letter grade Prerequisites: Admission into the OTD Program and successful completion of all previous coursework in the OTD curriculum (including OCT 720 and OCT 721)

OCT 730 - Culture and Occupational Therapy Practice Credits 2
Culture and the impact on clinical practice that explores: health beliefs, practices and occupations of clients; concepts of cultural competence and cultural humility; and societal influences on occupational choice. Grading Letter grade Prerequisites: Admission to the OTD program and successful completion of all previous coursework in the OTD program (OCT 722, OCT 723, OCT 724, OCT 725, OCT 726, OCT 727, OCT 728 and OCT 729).

OCT 731 - Mental Health Practice II with Adults/Older Adults Credits 3

Focus on mental health skills needed in the practice of occupational therapy with adults and older adults. Explores the most common mental health disorders, how they impact occupation, evidence-based interventions, and occupational therapy assessment and intervention skills. Grading Letter grade Prerequisites: Admission to the OTD program and successful completion of all previous coursework in the OTD program (OCT 722, OCT 723, OCT 724, OCT 725, OCT 726, OCT 727, OCT 728 and OCT 729). Corequisite: OCT 732

OCT 732 - Mental Health Practice II with Adults/Older Adults Lab Credits 1

Focuses on administration of standardized and non-standardized assessments to evaluate clients' occupational performance and writing client-centered intervention plans. Uses evidence-based therapeutic interventions and adapts those to support clients' occupational performance. Grading Letter grade Prerequisites: Admission to the OTD program and successful completion of all previous courses in the OTD program (OCT 720, OCT 722, OCT 723, OCT 725, OCT 726, OCT 727, OCT 728 and OCT 729) Corequisite: OCT 731

OCT 733 - Occupational Therapy Practice II with Adults/Older Adults Credits 3

Focus on the conditions typically seen in older adult populations and the evidence-based interventions provided to them in occupational therapy practice across practice settings. Explores how to monitor vital signs and recognize emergency conditions, and to administer assessments for older adult populations. Grading Letter grade Prerequisites: Admission to the OTD program and successful completion of all previous coursework in the OTD program (OCT 720, OCT 721, OCT 722, OCT 723, OCT 724, OCT 725, OCT 726, OCT 727, OCT 728 and OCT 729). Corequisite: OCT 734

OCT 734 - Occupational Therapy Practice II with Adults/Older Adults Lab Credits 1

Examines competencies in skills related to practice with physical disabilities: wheelchair mobility, prosthetic training, addressing functional cognition, visual retraining, and therapeutic exercise. Uses practice documentation related to discharge planning. Grading Letter grade Prerequisites: Admission to the OTD program and successful completion of all previous coursework in the OTD program (OCT 720, OCT 721, OCT 722, OCT 723, OCT 724, OCT 725, OCT 726, OCT 727, OCT 728 and OCT 729). Corequisite: OCT 733

OCT 735 - Health and Wellness Interventions with Adults/Older Adults Credits 2

Examines health promotion and prevention theory and practice from a wellness rather than an illness perspective. Focus on incorporating evidence-based health and wellness interventions into clinical practice with adults and older adults. Grading Letter grade Prerequisites: Admission to the OTD Program and successful completion of all previous coursework in the OTD program (OCT 720, OCT 721, OCT 722, OCT 723, OCT 724, OCT 725, OCT 726, OCT 727, OCT 728 and OCT 729).

OCT 736 - Evidence-Based Practice II - Qualitative Research Credits 3

Focuses on qualitative research methods for practitioners: design research studies, collect and analyze data, ethical policies and procedures; human subjects. Critical analysis of published research. Grading Letter grade Prerequisites: all previous coursework in the OTD program (OCT 720, OCT 721, OCT 722, OCT 723, OCT 724, OCT 725, OCT 726, OCT 727, OCT 728 and OCT 729)

OCT 737 - Teaching and Learning I Credits 2

Focuses on adult literacy and design effective educational materials. Develops teaching methods and learning strategies and adapt them for client and caregiver learning needs. Grading Letter grade Prerequisites: Admission to the OTD program and successful completion of all previous coursework in the OTD program (OCT 722, OCT 723, OCT 724, OCT 725, OCT 726, OCT 727, OCT 728 and OCT 729).

OCT 738 - Fieldwork IB Credits 1

Admission to the OTD program and successful completion of all previous coursework in the OTD program (OCT 722, OCT 723, , OCT 725, OCT 726, OCT 727, OCT 728 and OCT 729). Grading S/U

OCT 740 - Fieldwork IIA Credits 6

Assignment to a healthcare facility for 12 weeks on a full-time basis in order to acquire competency as an entry-level practitioner in a specific practice setting which may be with adults or older adults. Grading Letter grade Prerequisites: Admission to the OTD program and successful completion of all previously taken courses in the OTD program (OCT 720-738). Corequisite: OCT 741

OCT 741 - Prof Develop Seminar I Credits 2

Focuses on students' professional development as an occupational therapist. Support and guidance for documentation, supervision, and inter-professional and intra-professional team dynamics with concurrent Level II fieldwork experience. Grading Letter Grade. Prerequisites: Admission to the OTD program and successful completion of all previously taken courses in the OTD program (OCT 721, OCT 722, OCT 723, OCT 724, OCT 725, OCT 726, OCT 727, OCT 728, OCT 729, OCT 730, OCT 731, OCT 732, OCT 733, OCT 734, OCT 735, OCT 736, OCT 737 and OCT 738. Corequisite: OCT 740

OCT 742 - Mental Health Pract Children Credits 3

Examines mental health of children and adolescents: typical diagnoses seen in practice, behavioral management strategies, evaluation and treatment of psychiatric disorders. Grading Letter Grade. Prerequisites: Admission to the OTD program and successful completion of all previously taken courses in the OTD curriculum (OCT 720-741). Corequisite: OCT 743

OCT 743 - Mental Health Practice with Children/Youth Lab Credits 1

Examines mental health of children and adolescents and typical diagnoses seen in practice. Emphasizes how to administer evaluations, write treatment plans, and design interventions to meet treatment goals. Grading Letter Grade. Prerequisites: Admission to the OTD program and successful completion of all previously taken courses in the OTD curriculum(OCT 720-741). Corequisite: OCT 742

OCT 744 - Occupational Therapy Practice I with Children/Youth Credits 3

Explores occupational therapy services for children, youth, and their families in various settings and models of service delivery. Evidence-based theories, models, and frames of reference. Development of skills for occupational performance in pediatric practice. Grading Letter Grade. Prerequisites: Admission to the OTD program and successful completion of all previously taken courses in the OTD program (OCT 720-741). Corequisite: OCT 745

OCT 745 - Occupational Therapy Practice I with Children/Youth Lab Credits 1
Working with children to evaluate function, develop treatment plans, and provide evidence-based interventions to children/youth. Emphasis on learning effective strategies for working with the most commonly seen diagnoses/conditions in pediatric practice. Grading Letter Grade. Prerequisites: Admission to the OTD program and successful completion of all previously taken courses in the OTD curriculum (OCT 720-741). Corequisite: OCT 744

OCT 746 - Driving and Community Mobility Credits 2
Theories of driving behavior and screening for potential impediments to driver safety. Analysis of basic requirements needed in order to drive a vehicle safely. Explore driving cessation and resources for community mobility. Grading Letter Grade. Prerequisites: Admission to the OTD program and successful completion of all previously taken courses in the OTD curriculum (OCT 720-741).

OCT 747 - Occupational Therapy Leadership I Credits 2
Examines contemporary leadership theories and application of occupational therapy theoretical models to leadership. Creation of Leadership Development Plan. Grading Letter Grade. Prerequisites: Admission to the OTD program and successful completion of all previously taken courses in the OTD curriculum (OCT 720-741).

OCT 748 - Professional Service Management Credits 2
Management theories and practices that are applicable to occupational therapy: management theory and practice, application in health care systems, analysis of management styles, consultation, quality improvement, and supervision concepts. Grading Letter Grade

OCT 749 - Fieldwork IC Credits 1
Clinical site in the community with children/adolescents focusing on pediatric clinical practice. Application of academic knowledge into treatment with children/adolescents to further develop observational, interpersonal, and communication skills. Grading Letter Grade. Prerequisites: Admission to the OTD program and successful completion of all previously taken coursework in the OTD curriculum (OCT 720-741).

OCT 750 - Assistive Tech & Environ Mod Credits 2
Assess the need for assistive devices for individuals with disabilities to assist mobility, communication, positioning, and environmental control for daily living. Emphasizes how to evaluate home environments, make recommendations for modifications, and funding for these services. Grading Letter Grade. Prerequisites: Admission to the OTD program and successful completion of all previously taken courses in the OTD curriculum (OCT 721-749).

OCT 751 - Pain Management Credits 2
Investigate physiological, psychosocial, and environmental components of the pain experience: explanatory models of pain (across the life span), pain interventions, and pain as a public health issue. Grading Letter Grade. Prerequisites: Admission to the OTD program and successful completion of all previously taken courses in the OTD curriculum (OCT 721-749).

OCT 752 - Health & Wellness Children Credits 2
Examines the role of occupational therapy in health and wellness in the community for children and youth: how to promote, develop, and implement health and wellness programs using contemporary occupational therapy and health behavior models. Grading Letter Grade. Prerequisites: Admission to the OTD program and successful completion of all previously taken courses in the OTD curriculum (OCT 721-749).

OCT 753 - Occupational Therapy Practice II with Children/Youth Credits 3
Examines pediatric theories, assessments, practical applications, and research associated with the effectiveness of the sensory integration and neurodevelopmental therapy approaches used in occupational therapy intervention with children. Emphasis on treatment activities for children with sensory and motor difficulties. Grading Letter Grade. Prerequisites: Admission to the OTD program and successful completion of all previously taken courses in the OTD curriculum (OCT 720-741). Corequisite: OCT 754

OCT 754 - Occupational Therapy Practice II with Children/Youth Lab Credits 1
Assessment of sensory processing functions and creation of sensory based treatment activities for children and youth. Emphasis on handling techniques and treatment activities for neurodevelopmental treatment. Grading Letter Grade. Prerequisites: Admission to the OTD program and successful completion of all previously taken courses in the OTD curriculum (OCT 720-749). Corequisite: OCT 753

OCT 755 - Program Development and Grant Funding Credits 2
Explores the knowledge and skills needed to develop occupational therapy programs in the community with emphasis on sources of potential grant funding, marketing strategies, and selecting program evaluation outcome measures. Grading Letter Grade. Prerequisites: Admission to the OTD program and successful completion of all previously taken courses in the OTD curriculum (OCT 720-754, and 756-758).

OCT 756 - Occupational Therapy Leadership II Credits 2
Develops skills to supervise fieldwork students, occupational therapy assistants, and other staff. Examines ethical principles in supervision and development and evaluation of supervision competencies. Grading Letter Grade. Prerequisites: Admission to the OTD program and successful completion of all previously taken courses in the OTD curriculum (OCT 720-749).

OCT 757 - Introduction to Social Determinants of Health Credits 2
Explores concepts surrounding the social determinants of health: root causes of ill health and the importance of addressing them in and with communities in order to improve individual health outcomes. Grading Letter Grade. Prerequisites: Admission to the OTD program and successful completion of all previously taken courses in the OTD curriculum (OCT 720-749).

OCT 758 - Fieldwork ID Credits 1
Develops pediatric practice skills at a clinical site in the community with children/adolescents. Emphasis on applying academic knowledge into treatment with children/adolescents and developing observational, interpersonal, and communication skills. Grading Letter Grade. Prerequisites: Admission to the OTD program and successful completion of all previously taken courses in the OTD curriculum (OCT 720-749).

OCT 760 - Fieldwork IIB Credits 6
Placed in a healthcare facility for 12 weeks on a full-time basis to develop competencies as an entry-level practitioner in a specific practice. This fieldwork experience may be with adults, older adults, children or adolescents. Grading Letter Grade. Prerequisites: Admission to the OTD program and successful completion of all previously taken courses in the OTD curriculum (OCT 720-758). Corequisite: OCT 761

OCT 761 - Professional Dev Seminar II Credits 2

Focuses on the American Occupational Therapy Association (AOTA) Code of Ethics and Standards of Practice documents with application to practice situations using an ethical decision-making format. Explores professional development options through participation in local, state, national, and international associations. Grading Letter Grade. Prerequisites: Admission to the OTD program and successful completion of all previously taken courses in the OTD curriculum (OCT 721-758). Corequisite: OCT 760

OCT 762 - Health Poli & Advoc Credits 2

Explores current healthcare policies, legislation, reimbursement models, and their impact on the delivery of occupational therapy practice. Emphasis on identifying issues that require advocacy efforts and participating in advocacy events. Grading Letter Grade. Prerequisites: Admission to the OTD program and successful completion of all previously taken courses in the OTD curriculum (OCT 720-761).

OCT 763 - OT Leadership III Credits 2

Examines the promotion of the profession of occupational therapy; highlights maintaining ongoing professional competencies after registration; and explores alternative roles for employment as an occupational therapist. Grading Letter Grade. Prerequisites: Admission to the OTD program and successful completion of all previously taken courses in the OTD curriculum (OCT 720-761).

OCT 764 - Teaching & Learning II Credits 3

Preparation as future educators in occupational therapy by exploring instructional design, teaching/learning processes, and pathways to academic positions. Grading Letter Grade. Prerequisites: Admission to the OTD program and successful completion of all previously taken coursework in the OTD program (OCT 721-761).

OCT 765 - Emerging Practice Primary Care Credits 2

Explores innovative, non-traditional, community-based practice areas for occupational therapists focusing on primary care delivery models and managing chronic conditions while reducing costs and improving population health. Grading Letter Grade. Prerequisites: Admission to the OTD program and successful completion of all previously taken courses in the OTD curriculum (OCT 721-761).

OCT 766 - Systematic Reviews Credits 2

Conduct systematic reviews through critical analyses of the occupational therapy research literature. Development of research questions, determination of inclusion/exclusion criteria, literature searches, critical evaluation of research articles, and synthesis of findings into a systematic review paper and poster presentation. Grading Letter Grade. Prerequisites: Admission to the OTD program and successful completion of all previously taken courses in the OTD curriculum (OCT 721-749).

OCT 768 - Fieldwork IE Credits 1

Examines fieldwork in the community as an emerging practice area: underserved population and/or rural practice. Emphasis on applying academic knowledge into treatment of underserved populations and further developing observational, interpersonal, and communication skills. Grading Letter Grade. Prerequisites: Admission to the OTD program and successful completion of all previously taken courses in the OTD program (OCT 721-761)

OCT 800 - Capstone Preparation Credits 3

Selecting an area of emphasis in occupational therapy including clinical practice skills, research skills, administration, leadership, program and policy development, advocacy, education, and/or theory development. Grading Letter Grade. Prerequisites: Admission to the OTD program and successful completion of all previously taken courses in the OTD curriculum (OCT 721-761).

OCT 801 - Capstone Experience Credits 8

Placement at a community agency on a full-time basis for a 14-week in-depth culminating experience with mentors. Grading Letter Grade. Prerequisites: Admission to the OTD program and successful completion of all previously taken courses in the OTD curriculum. Corequisite: OCT 802

OCT 802 - Capstone Project Credits 4

Culminating experience project that requires data collection/analysis, evaluation of outcomes, and dissemination. Areas include: clinical practice skills, research skills, administration, leadership, program and policy development, advocacy, education, and/or theory development. Grading Letter Grade. Prerequisites: Admission to the OTD program and successful completion of all previously taken courses in the OTD curriculum (OCT 721-800). Corequisite: OCT 801

School of Public Health

The purpose of the School of Public Health is to prepare individuals to become effective public health practitioners, health care managers and administrators, and other health professionals who will competently identify public health problems and needs, develop effective mechanisms to address those needs, and promote appropriate services for the protection of human health. The School of Public Health is actively involved in educational, research, and outreach programs in public health with the expectation to be nationally recognized as innovative, comprehensive in nature and scope, cooperative in character, and to ensure that graduates can serve as catalysts to promote population health in Nevada, the nation and the world.

Shawn Gerstenberger, Ph.D., Dean

Jay Shen, Ph.D., Associate Dean

Programs

Environmental and Occupational Health

Health Care Administration and Policy

Environmental and Occupational Health

The mission of the Department of Environmental and Occupational Health is to advance the health of all people in the United States and around the world through research and training in environmental health. The department emphasizes the role of air, water, the home environment, and the workplace as critical determinants of health.

Francisco Sy, MD, DrPH, Chair

Jennifer Pharr, Ph.D., Graduate Coordinator

Environmental and Occupational Health Faculty

Chair

Sy, Francisco S. - *Full Graduate Faculty*
Professor of Environmental and Occupational Health; University of the Philippines DrPH, Johns Hopkins University School of Public Health. Rebel since 2016.

Graduate Coordinator

Pharr, Jennifer - **Full Graduate Faculty**
Assistant Professor of Environmental and Occupational Health, B.S. Stephen F Austin State University; M.S. Texas A&M University; Ph.D. University of Nevada, Las Vegas. Rebel since 2010.

Graduate Faculty

Bungum, Timothy - *Full Graduate Faculty*
Professor of Biostatistics and Epidemiology; B.A. Luther College; M.S., DrPH, University of South Carolina. Rebel since 2001.

Buttner, Mark P. - *Full Graduate Faculty*
Professor of Environmental and Occupational Health; B.S. University of Wisconsin; M.S. University of Nevada Las Vegas, Ph.D. University of Nevada Reno. Rebel since 1989.

Callahan, Karen E. - *Full Graduate Faculty*
Visiting Assistant Professor of Environmental and Occupational Health, Ph.D. University of Nevada, Las Vegas. Rebel since 2019.

Chen, Lung-Wen - *Full Graduate Faculty*
Associate Professor of Environmental and Occupational Health, B.S., M.S. National Taiwan University; Ph.D. University of Maryland, College Park. Rebel since 2015.

Chien, Lung-Chang - *Full Graduate Faculty*
Assistant Professor of Epidemiology and Biostatistics, B.S. National Taipei University; M.S. National Tsing-Hua University; Ph.D. University of North Carolina at Chapel Hill. Rebel since 2017.

Clark, Sheila - *Full Graduate Faculty*
Visiting Professor-In-Residence of Environmental and Occupational Health, B.A. Georgetown University; M.Ed., Ph.D., University of Nevada, Las Vegas. Rebel since 2015.

Coughenour, Courtney - *Full Graduate Faculty*
Assistant Professor of Environmental and Occupational Health, B.S. Pennsylvania State University; M.P.H., Ph.D. University of Nevada, Las Vegas. Rebel since 2007.

Cross, Chad - *Full Graduate Faculty*
Visiting Research Associate Professor of Biostatistics, B.S. Purdue University; M.S. University of Nevada, Las Vegas and Old Dominion University; Ph.D. Old Dominion University. Rebel since 2000.

Cruz, Patricia - *Full Graduate Faculty*

Professor of Environmental and Occupational Health, B.S. University of Puerto Rico, M.S. University of Central Florida, Ph.D. University of Nevada Reno. Rebel since 1995.

Fenimore, Vincent - Full Graduate Faculty

Visiting Assistant Professor of Environmental and Occupational Health, B.A. San Diego State University; M.A. Central Michigan University; Ph.D. Georgia State University. Rebel since 2018.

Flatt, Jason - Full Graduate Faculty

Assistant Professor of Social and Behavioral Health, B.S. University of Florida; M.P.H. University of South Carolina; Ph.D. University of Pittsburgh. Rebel since 2020.

Frew, Paula - Full Graduate Faculty

Professor of Environmental and Occupational Health, B.A. University of California at San Diego; M.A. San Diego State University; M.P.H. Emory University; Ph.D. University of Georgia. Rebel since 2019.

Gakh, Max - Full Graduate Faculty

Assistant Professor of Environmental and Occupational Health, A.B. Washington University of St. Louis; M.S. John Hopkins University; J.D. Ohio State University. Rebel since 2014.

Kan, Ge Lin - Full Graduate Faculty

Professor of Epidemiology and Biostatistics, B.S. Peking University; M.A. The University of Akron; Ph.D. State University of New York at Buffalo. Rebel since 2015.

Labus, Brian - Full Graduate Faculty

Assistant Professor of Epidemiology and Biostatistics, B.S. Purdue University; M.S. University of California, Berkeley; Ph.D. University of Nevada, Las Vegas. Rebel since 2015.

Marquez, Erika - Full Graduate Faculty

Assistant Professor of Environmental and Occupational Health, B.A. San Francisco State University; M.S. University of Nevada, Las Vegas; Ph.D. University of Nevada, Las Vegas. Rebel since 2006.

Moonie, Sheniz - Full Graduate Faculty

Professor of Biostatistics and Epidemiology, B.S. University of California San Diego; M.S. California Polytechnic University, Pomona; Ph.D. Saint Louis University. Rebel since 2006.

Morgan, Amanda - Full Graduate Faculty

Associate Professor-in-Residence of Social and Behavioral Health, B.S. University of Nevada, Las Vegas; M.P.H. University of Nevada, Las Vegas; D.H.S. Institute for Advanced Study of Human Sexuality, Ph.D. University of Nevada, Las Vegas. Rebel since 2011.

Regin, Charles - Full Graduate Faculty

Assistant Professor of Social and Behavioral Health, B.S. University of Wisconsin; M.S. University of Wisconsin; Ph.D. Southern Illinois University. Rebel since 2004.

Shan, Guogen - Full Graduate Faculty

Associate Professor of Biostatistics, B.S., M.S. Nankai University; M.A., Ph.D. The State University of New York at Buffalo. Rebel since 2012.

Shegog, Marya - Full Graduate Faculty

Assistant Professor of Environmental and Occupational Health, B.S. Hampton University; M.S., Ph.D. University of South Carolina. Rebel since 2012.

Thompson-Robinson, Melva - Full Graduate Faculty

Professor of Social and Behavioral Health, B.S. University of Michigan, M.S., Ohio University, DrPH. University of South Carolina. Rebel since 2004.

Vuong, Ann - Full Graduate Faculty

Assistant Professor of Epidemiology and

Biostatistics, M.P.H., Texas A&M University; Ph.D., Texas A&M University. Rebel since 2019.

Wu, Qing - Full Graduate Faculty

Associate Professor of Biostatistics, M.S. Sun Yat-sen University of Medical Sciences; M.D. Wannan Medical College; Sc.D. Tulane University. Rebel since 2015.

Plans

Graduate Certificate in Infection Prevention

Graduate Certificate in Public Health

Master of Public Health

Doctor of Philosophy - Public Health

Graduate Certificate in Infection Prevention

Plan Description

The Certificate in Infection Prevention is designed to provide a foundation in the development, management, and execution of a program for healthcare facilities, including advanced studies in epidemiology, statistics, disease transmission, and the hospital and healthcare environment. The Certificate is aimed at individuals with a Bachelor's degree who are currently practicing in infection prevention.

For more information about your program, including your graduate program handbook and learning outcomes, please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

All applicants must review and follow the Graduate College Admission and Registration Requirements.

Students are accepted into a certificate program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

Total Credits Required: 12

Course Requirements

Required Courses – Credits: 9

- EOH 730 - Overview Of The Healthcare Infection Prevention Program
- EOH 701 - Measurement Techniques in Infection Prevention
- EOH 750 - Healthcare Facility Infection Prevention Programs

Infectious Disease Courses – Credits: 3

Complete one of the following:

- EAB 725 - Epidemiology of Infectious Diseases
- EOH 747 - Transmission of Infectious Disease

Certificate Requirements

Completion of required coursework. Each course must be completed with a minimum grade of “B”, should a lower grade be earned the student will be placed on probation.

Plan Certificate Completion Requirements

The student must submit all required forms to the Graduate College and then apply for graduation in MyUNLV by the appropriate deadline.

Graduate Certificate in Public Health

Plan Description

The Certificate in Public Health will provide students with a foundation in the four core subdisciplines of public health. Knowledge and skills obtained can be applied to protecting and improving the health and quality of life of populations, locally and globally. The certificate is aimed at individuals with a Bachelor’s degree or recognized equivalent from a regionally accredited institution and have adequate preparation in the biological, physical, or social sciences and who are public health professionals in the private and public sectors.

For more information about your program, including your graduate program handbook and learning outcomes, please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

All applicants must review and follow the Graduate College Admission and Registration Requirements.

Students are accepted into a certificate program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

Total Credits Required: 18

Course Requirements

Required Courses – Credits: 18

- EOH 710 - Fundamentals of Public Health
- EOH 740 - Fundamentals of Environmental Health
- EAB 705 - Epidemiology and Public Health
- HCA 701 - U.S. Health Care System: Programs and Policies
- HED 720 - Program Planning and Grant Writing in Health Promotion

- EAB 703 - Biostatistical Methods for the Health Sciences

Certificate Requirements

Completion of the required coursework.

Plan Certificate Completion Requirements

The student must submit all required forms to the Graduate College and then apply for graduation in MyUNLV by the appropriate deadline.

Master of Public Health

This program is accredited by: CEPH. More information can be found at: unlv.edu/provost/vpaa/accreditation

Plan Description

The Master of Public Health (MPH) Degree Program is designed to prepare students to be Public Health professionals in the private and public sectors with the overall goal of promoting and protecting the health of individuals in our society.

Educational Objectives

The purpose of the MPH Program is to prepare individuals to become effective health care practitioners, researchers and teachers who will competently identify public health problems and needs, develop effective strategies to address those needs, and promote appropriate services to be available for the protection of human health.

At a minimum, the following criteria should be met to assure each student a) develops an understanding of the areas of knowledge that are basic to public health, b) acquires skills and experience in the application of basic public health concepts and of specialty knowledge to the solution of community health problems, and c) demonstrates integration of knowledge through a capstone experience.

For more information about your program, including your graduate program handbook and learning outcomes please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

To be considered for admission to the MPH, an applicant must:

1. Hold a bachelor’s degree or recognized equivalent from a regionally accredited institution and have adequate preparation in the biological, physical, or social sciences. A criterion for admission is at least a B (3.0) grade-point average or the equivalent in work completed after the first two years of a bachelor’s degree program and in all post-baccalaureate course work.

2. Complete the school's application process.
3. Submit a resume and a personal essay describing what you perceive to be pressing public health issues, why a career in the field appeals to you, and how it will use your strengths and commitment.
4. Submit three letters of recommendation.
5. Submit competitive Graduate Record Exam (GRE) scores (or equivalent e.g., MCAT, LSAT) on verbal, quantitative and analytical measures. GRE scores will be assessed relative to other applicants in the pool, as well as relative to other graduate programs at UNLV. The GRE is required for all applicants and must be current within 5 years.
6. All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.

Dental MPH Program

The Doctorate of Dental Medicine-Masters of Public Health program is designed for those who seek a deeper understanding of disease prevention, health promotion, and health care administration and policy at both an individual and population level within the field of dentistry. The program enables students who graduate with both the Masters of Public Health and the Doctorate of Dental Medicine (DMD) to become leaders in oral health research, education, and community dental health promotion. After completing the program, graduates will be eligible to apply for a position within a dental public health residency program.

Students interested in applying for the DMD-MPH program should begin by applying for admissions to the UNLV School of Dental Medicine. Please see the School of Dental Medicine (SDM) website for specific requirements and deadlines.

Current dental students interested in the DMD-MPH program are encouraged to submit an application for permission to enter the program to the UNLV School of Dental Medicine Assistant Dean for Admissions and Student Affairs. This request form must accompany the Graduate College application for admissions into the MPH program. Completed packets will be submitted to the Graduate College for admissions to the Masters of Public Health program.

Students must indicate on their Graduate College application form that they are registering for the DMD-MPH program and present evidence of being a current dental student in good standing by submitting a signed SDM application for permission to enter the program. While a dental student may apply for the program at any time, they may not register for classes within the School of Public Health until the Fall semester of their sophomore year. Students will also be limited in the number of MPH classes they are allowed to pursue during their sophomore year of dental school. A cap of one MPH class a semester

will be enforced. The junior and senior year of dental school, students in the program will be allowed to take heavier course loads unless specifically stated otherwise by the Assistant Dean for Admissions and Student Affairs at the School of Dental Medicine.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

See Subplan Requirements below.

Subplan 1 Requirements: Social and Behavioral Health Track

Total Credits Required: 45

Course Requirements

Required Courses – Credits: 18

- EOH 710 - Fundamentals of Public Health
- EOH 740 - Fundamentals of Environmental Health
- EAB 705 - Epidemiology and Public Health
- HCA 701 - U.S. Health Care System: Programs and Policies
- HED 720 - Program Planning and Grant Writing in Health Promotion
- EAB 703 - Biostatistical Methods for the Health Sciences

Social and Behavioral Health Courses – Credits: 6

- HED 705 - Theoretical Foundations in Health Promotion
- HED 730 - Program Evaluation in Health Promotion

Methods Courses – Credits: 3

Complete one of the following courses or other advisor approved course:

- EAB 700 - Research Methods for Public Health
- EOH 715 - Qualitative & Field Methods for Public Health
- EOH 744 - Mixed Methods Research for Public Health

Social Health Courses – Credits: 3

Complete one of the following courses:

- EOH 705 - Social Epidemiology
- HED 761 - Racial and Ethnic Disparities in Health

Internship – Credits: 3

- EOH 793 - Internship in Public Health

An additional 3 credits of internship may be taken as an elective for a total of 6 credits of internship.

Elective Courses – Credits: 6-9

Students completing a thesis must complete six credits of elective coursework, and students completing a professional paper must complete nine credits of elective coursework. Select from the following list or other advisor approved courses:

- HED 607 - Stress Management
- HED 627 - Methods in Health Education
- HED 629 - Education for Sexuality
- HED 630 - Nutrition
- HED 635 - Health Studies on Dangerous Drugs
- HED 760 - Technology in Health Promotion
- HED 785 - Independent Study in Health Promotion

Culminating Experience – Credits: 3-6

Complete one of the following:

- HED 750 - Graduate Project in Health Promotion (3 credits)
- HED 755 - Thesis Research (6 credits)

Degree Requirements

1. Completion of a minimum of 45 credit hours with a minimum GPA of 3.00.
2. In consultation with his/her advisor, a student will organize a committee of at least three departmental members. In addition, a fourth member from outside the department, known as the Graduate College Representative, must be appointed. An additional committee member may be added at the student and department's discretion. Please see Graduate College policy for committee appointment guidelines.

Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
2. Successfully complete and defend the graduate project or successfully complete and defend a thesis by the posted deadline. The defense must be advertised and is open to the public.
3. If a thesis is completed, the student must submit his/her approved, properly formatted document to the Graduate College, and submit the approved electronic version to ProQuest by the posted deadline.

Subplan 2 Requirements: Environmental and Occupational Health Track

Total Required Credits: 45

Course Requirements

Required Courses – Credits: 18

- EOH 710 - Fundamentals of Public Health

- EOH 740 - Fundamentals of Environmental Health
- EAB 705 - Epidemiology and Public Health
- HCA 701 - U.S. Health Care System: Programs and Policies
- HED 720 - Program Planning and Grant Writing in Health Promotion
- EAB 703 - Biostatistical Methods for the Health Sciences

Environmental and Occupational Health Courses – Credits: 3

- EOH 601 - Advanced Environmental Toxicology

Health and Safety Courses – Credits: 6

- EOH 747 - Transmission of Infectious Disease
- EOH 717 - Food Safety and Public Health

Environmental Courses – Credits: 3

- EOH 765 - Seminar in Environmental Justice and Public Health

Skill Development Courses – Credits: 6

- EAB 700 - Research Methods for Public Health
- EOH 709 - Scientific/Technical Writing for the Health and Life Sciences

Internship – Credits: 3

- EOH 793 - Internship in Public Health

An additional 3 credits of internship may be taken as an elective for a total of 6 credits of internship.

Elective Courses – Credits: 0-3

Students completing a project must complete three credits of elective coursework. Select from the following list:

- EOH 705 - Social Epidemiology
- EOH 713 - Public Health Law
- EOH 715 - Qualitative & Field Methods for Public Health
- EOH 732 - Children, Development, Health, and the Environment
- EOH 757 - Parasitology and Public Health
- HED 761 - Racial and Ethnic Disparities in Health
- EOH 767 - Airborne Pathogens and Human Health
- EOH 769 - Pollution and Health
- EAB 716 - The Epidemiology of Obesity
- EOH 777 - Emerging Infectious Disease
- EOH 795 - Special Topics in Public Health
- EOH 796 - Independent Study in Environmental Health
- HED 705 - Theoretical Foundations in Health Promotion

Culminating Experience – 3-6

Complete one of the following:

- EOH 794 - Professional Paper in Environmental Health (3 credits)
- EOH 798 - Thesis Research (6 credits)

Degree Requirements

1. Completion of a minimum of 45 credit hours with a minimum GPA of 3.00.
2. In consultation with his/her advisor, a student will organize a committee of at least three departmental members. In addition, a fourth member from outside the department, known as the Graduate College Representative, must be appointed. An additional committee member may be added at the student and department's discretion. Please see Graduate College policy for committee appointment guidelines.

Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation from up to two semesters prior to completing his/her degree requirements.
2. Successfully complete and defend the professional paper or successfully complete and defend a thesis by the posted deadline. The defense must be advertised and is open to the public.
3. If a thesis is completed, the student must submit his/her approved, properly formatted document to the Graduate College, and submit the approved electronic version to ProQuest by the posted deadline.

Subplan 3 Requirements: Health Care Administration and Policy Track

Total Required Credits: 45

Course Requirements

Required Courses – Credits: 18

- EOH 710 - Fundamentals of Public Health
- EOH 740 - Fundamentals of Environmental Health
- EAB 705 - Epidemiology and Public Health
- HCA 701 - U.S. Health Care System: Programs and Policies
- HED 720 - Program Planning and Grant Writing in Health Promotion
- EAB 703 - Biostatistical Methods for the Health Sciences
- Health Care Admin & Policy Courses – Credits: 15
- HCA 703 - Management of Health Service Organizations and Systems
- HCA 716 - Health Care Accounting and Finance

- HCA 719 - Operations and Quality Management of Health Services
- HCA 720 - Information Systems in Health Services Management
- HCA 730 - Strategic Management of Health Services
- Internship – Credits: 3
- HCA 793 - Internship in Health Care Administration

An additional 3 credits of internship may be taken as an elective for a total of 6 credits of internship.

Elective Courses – Credits: 3-6

Students completing a thesis must complete three credits of elective coursework, and students completing a professional paper must complete six credits of elective coursework. Select from the following list or choose from other advisor approved courses from the pool of university approved graduate level courses:

- HCA 718 - Health Care Economics
- HCA 721 - Advanced Health Care Finance
- HCA 652 - Health Politics and Policy
- HCA 761 - Health Care Law and Ethics for Managers
- HCA 680 - Organization and Management of Long-Term Care Services
- HED 705 - Theoretical Foundations in Health Promotion

Culminating Experience – Credits: 3-6

Complete one of the following:

- HCA 794 - Professional Paper in Health Care Administration (3 credits)
- HCA 799 - Thesis Research (6 credits)

Degree Requirements

1. Completion of a minimum of 45 credit hours with a minimum GPA of 3.00.
2. In consultation with his/her advisor, a student will organize a thesis committee of at least three departmental members. In addition, a fourth member from outside the department, known as the Graduate College Representative, must be appointed. An additional committee member may be added at the student and department's discretion. Please see Graduate College policy for committee appointment guidelines.

Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
2. Students must receive prior approval from their

committee before registering for any capstone experience.

3. Successfully complete and defend a thesis or professional paper by the posted deadline. The defense must be advertised and is open to the public.
4. If a thesis is completed, the student must submit his/her approved, properly formatted document to the Graduate College, and submit the approved electronic version to ProQuest by the posted deadline.

Subplan 4 Requirements: Biostatistics and Epidemiology Track

Total Required Credits: 45

Course Requirements

Required Courses – Credits: 18

- EOH 710 - Fundamentals of Public Health
- EOH 740 - Fundamentals of Environmental Health
- EAB 705 - Epidemiology and Public Health
- HCA 701 - U.S. Health Care System: Programs and Policies
- HED 720 - Program Planning and Grant Writing in Health Promotion
- EAB 703 - Biostatistical Methods for the Health Sciences

Biostatistics and Epidemiology Courses – Credits: 12

- EAB 700 - Research Methods for Public Health
- EAB 715 - Chronic Disease Epidemiology
- EAB 725 - Epidemiology of Infectious Diseases
- EAB 763 - Linear Statistical Models

Internship – Credits: 3

- EOH 793 - Internship in Public Health

An additional 3 credits of internship may be taken as an elective for a total of 6 credits of internship.

Elective Courses – Credits: 6-9

Students completing a thesis must complete six credits of elective coursework, and students completing a professional paper must complete nine credits of elective coursework. Select from the following list:

- EOH 705 - Social Epidemiology
- EAB 720 - Grant Writing for Epidemiology and Public Health Research
- EAB 795 - Special Topics in Epidemiology and Biostatistics
- EAB 796 - Independent Study in Epidemiology and Biostatistics
- EAB 716 - The Epidemiology of Obesity
- EAB 733 - Survey Sampling for the Health Sciences

- EAB 735 - Outbreak Investigation
- EAB 743 - Experimental Design for the Health Sciences
- EAB 753 - Nonparametric Statistics for Public Health
- EAB 773 - Survival Analysis for Public Health
- HED 705 - Theoretical Foundations in Health Promotion
- EAB 770 - Applied Statistical Methods for Categorical Data

Culminating Experience – Credits: 3-6

Complete one of the following:

- EAB 794 - Professional Paper in Epidemiology and Biostatistics (3 credits)
- EAB 798 - Thesis Research in Epidemiology and Biostatistics (6 credits)

Degree Requirements

1. Completion of a minimum of 45 credit hours with a minimum GPA of 3.00.
2. In consultation with his/her advisor, a student will organize a committee of at least three departmental members. In addition, a fourth member from outside the department, known as the Graduate College Representative, must be appointed. An additional committee member may be added at the student and department's discretion. Please see Graduate College policy for committee appointment guidelines.

Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
2. Students must receive prior approval from their committee before registering for any capstone experience.
3. Successfully complete and defend the professional paper or successfully complete and defend a thesis by the posted deadline. The defense must be advertised and is open to the public.
4. If a thesis is completed, the student must submit his/her approved, properly formatted document to the Graduate College, and submit the approved electronic version to ProQuest by the posted deadline.

Subplan 5 Requirements: Dental-MPH Track - Social and Behavioral Health

Total Credits Required: 45

Course Requirements

Required Courses – Credits: 18

- EOH 710 - Fundamentals of Public Health

- EOH 740 - Fundamentals of Environmental Health
- EAB 705 - Epidemiology and Public Health
- HCA 701 - U.S. Health Care System: Programs and Policies
- HED 720 - Program Planning and Grant Writing in Health Promotion
- EAB 703 - Biostatistical Methods for the Health Sciences

Social and Behavioral Health Courses – Credits: 6

- HED 705 - Theoretical Foundations in Health Promotion
- HED 730 - Program Evaluation in Health Promotion

Methods Courses – Credits: 3

Complete one of the following courses:

- EAB 700 - Research Methods for Public Health
- EOH 715 - Qualitative & Field Methods for Public Health
- EOH 744 - Mixed Methods Research for Public Health

Social Health Courses – Credits: 3

Complete one of the following courses:

- EOH 705 - Social Epidemiology
- HED 761 - Racial and Ethnic Disparities in Health

Internship – Credits: 3

- EOH 793 - Internship in Public Health

An additional 3 credits of internship may be taken as an elective for a total of 6 credits of internship.

Elective Courses – Credits: 6-9

Students completing a thesis must complete six credits of elective coursework, and students completing a project must complete nine credits of elective coursework. Select from the following list:

- Den 7151 – Healthcare Finance and Public Health (1 credit)
- Den 7154 – Healthcare Delivery: Patient Record and HIPAA Regulations (1.5 credits)
- Den 7160 – Research and Professional Development I (1 credit)
- Den 7161 – Research and Professional Development II (1.5 credits)
- Den 7162 – Biochemical Basis of Clinical Nutrition (3 credits)
- Den 7252 – Community Outreach/Geriatric Population (3 credits)
- Den 7253 – Research and Analysis Methodology (1.5 credits)

- HED 785 - Independent Study in Health Promotion
- Culminating Experience – Credits: 3-6

Complete one of the following:

- HED 750 - Graduate Project in Health Promotion (3 credits)
- HED 755 - Thesis Research (6 credits)

Degree Requirements

1. Completion of a minimum of 45 credit hours with a minimum GPA of 3.00.
2. Students enrolled in the DMD-MPH Track program must remain in good academic/ethical standing in both the individual DMD and MPH programs or may be subject to dismissal.
3. Students in the DMD-MPH Track program are subject to the same rules and regulations that apply to all students at the School of Dental Medicine and the School of Public Health.
4. Upon date of entry into the MPH program, students will be given a maximum time frame of five years in which they must satisfy the degree requirements for the Masters in Public Health degree.
5. In consultation with his/her advisor, a student will organize a committee of at least three departmental members. In addition, a fourth member from outside the department, known as the Graduate College Representative, must be appointed. An additional committee member may be added at the student and department's discretion. Please see Graduate College policy for committee appointment guidelines.

Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
2. Successfully complete and defend the graduate project or successfully complete and defend a thesis by the posted deadline. The defense must be advertised and is open to the public.
3. If a thesis is completed, the student must submit his/her approved, properly formatted document to the Graduate College, and submit the approved electronic version to ProQuest by the posted deadline.

Subplan 6 Requirements: Dental-MPH Track - Environmental and Occupational Health

Total Required Credits: 45

Course Requirements

Required Courses – Credits: 18

- EOH 710 - Fundamentals of Public Health
- EOH 740 - Fundamentals of Environmental Health

- EAB 705 - Epidemiology and Public Health
- HCA 701 - U.S. Health Care System: Programs and Policies
- HED 720 - Program Planning and Grant Writing in Health Promotion
- EAB 703 - Biostatistical Methods for the Health Sciences

Environmental and Occupational Health Courses – Credits: 3

- EOH 601 - Advanced Environmental Toxicology

Health and Safety Courses – Credits: 3

Complete one of the following courses:

- EOH 717 - Food Safety and Public Health
- EOH 747 - Transmission of Infectious Disease

Environmental Courses – Credits: 3

Complete one of the following courses:

- EOH 765 - Seminar in Environmental Justice and Public Health
- EOH 732 - Children, Development, Health, and the Environment

Skill Development Courses – Credits: 3

Complete one of the following courses:

- EAB 700 - Research Methods for Public Health
- EOH 709 - Scientific/Technical Writing for the Health and Life Sciences

Internship – Credits: 3

- EOH 793 - Internship in Public Health

An additional 3 credits of internship may be taken as an elective for a total of 6 credits of internship.

Elective Courses – Credits: 6-9

Students completing a thesis must complete six credits of elective coursework, and students completing a project must complete nine credits of elective coursework. Select from the following list:

- Den 7151 – Healthcare Finance and Public Health (1 credit)
- Den 7154 – Healthcare Delivery: Patient Record and HIPAA Regulations (1.5 credits)
- Den 7160 – Research and Professional Development I (1 credit)
- Den 7161 – Research and Professional Development II (1.5 credits)
- Den 7162 – Biochemical Basis of Clinical Nutrition (3 credits)
- Den 7253 – Research and Analysis Methodology (1.5 credits)

Culminating Experience – Credits: 3-6

Complete one of the following:

- EOH 794 - Professional Paper in Environmental Health (3 credits)
- EOH 798 - Thesis Research (6 credits)

Degree Requirements

1. Completion of a minimum of 45 credit hours with a minimum GPA of 3.00.
2. Students enrolled in the DMD-MPH Track program must remain in good academic/ethical standing in both the individual DMD and MPH programs or may be subject to dismissal.
3. Students in the DMD-MPH Track program are subject to the same rules and regulations that apply to all students at the School of Dental Medicine and the School of Public Health.
4. Upon date of entry into the MPH program, students will be given a maximum time frame of five years in which they must satisfy the degree requirements for the Masters in Public Health degree.
5. In consultation with his/her advisor, a student will organize a committee of at least three departmental members. In addition, a fourth member from outside the department, known as the Graduate College Representative, must be appointed. An additional committee member may be added at the student and department's discretion. Please see Graduate College policy for committee appointment guidelines.

Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation from up to two semesters prior to completing his/her degree requirements.
2. Successfully complete and defend the professional paper or successfully complete and defend a thesis by the posted deadline. The defense must be advertised and is open to the public.
3. If a thesis is completed, the student must submit his/her approved, properly formatted document to the Graduate College, and submit the approved electronic version to ProQuest by the posted deadline.

Subplan 7 Requirements: Dental-MPH Track - Health Care Administration and Policy

Total Required Credits: 45

Course Requirements

Required Courses – Credits: 18

- EOH 710 - Fundamentals of Public Health
- EOH 740 - Fundamentals of Environmental Health
- EAB 705 - Epidemiology and Public Health

- HCA 701 - U.S. Health Care System: Programs and Policies
- HED 720 - Program Planning and Grant Writing in Health Promotion
- EAB 703 - Biostatistical Methods for the Health Sciences
- Health Care Admin & Policy Courses – Credits: 15
- HCA 703 - Management of Health Service Organizations and Systems
- HCA 716 - Health Care Accounting and Finance
- HCA 730 - Strategic Management of Health Services
- HCA 719 - Operations and Quality Management of Health Services
- HCA 720 - Information Systems in Health Services Management

Internship – Credits: 3

- HCA 793 - Internship in Health Care Administration

An additional 3 credits of internship may be taken as an elective for a total of 6 credits of internship.

Elective Courses – Credits: 3-6

Students completing a thesis must complete three credits of elective coursework, and students completing a project must complete six credits of elective coursework. Select from the following list:

- Den 7151 – Healthcare Finance and Public Health (1 credit)
- Den 7154 – Healthcare Delivery: Patient Record and HIPAA Regulations (1.5 credits)
- Den 7160 – Research and Professional Development I (1 credit)
- Den 7161 – Research and Professional Development II (1.5 credits)
- Den 7162 – Biochemical Basis of Clinical Nutrition (3 credits)
- Den 7253 – Research and Analysis Methodology (1.5 credits)

Culminating Experience – Credits: 3-6

Complete one of the following:

- HCA 794 - Professional Paper in Health Care Administration (3 credits)
- HCA 799 - Thesis Research (6 credits)

Degree Requirements

1. Completion of a minimum of 45 credit hours with a minimum GPA of 3.00.
2. Students enrolled in the DMD-MPH Track program must remain in good academic/ethical standing in both the individual DMD and MPH programs or may

be subject to dismissal.

3. Students in the DMD-MPH Track program are subject to the same rules and regulations that apply to all students at the School of Dental Medicine and the School of Public Health.
4. Upon date of entry into the MPH program, students will be given a maximum time frame of five years in which they must satisfy the degree requirements for the Masters in Public Health degree.
5. If the thesis option is chosen, in consultation with his/her advisor, a student will organize a thesis committee of at least three departmental members. In addition, a fourth member from outside the department, known as the Graduate College Representative, must be appointed. An additional committee member may be added at the student and department's discretion. Please see Graduate College policy for committee appointment guidelines.
6. Students choosing to do the capstone course do not need to complete advisor or culminating experience forms.

Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
2. Students must receive prior approval from their committee before registering for any capstone experience.
3. Successfully complete and defend a thesis or professional paper by the posted deadline. The defense must be advertised and is open to the public.
4. If a thesis is completed, the student must submit his/her approved, properly formatted document to the Graduate College, and submit the approved electronic version to ProQuest by the posted deadline.

Subplan 8 Requirements: Dental-MPH Track - Biostatistics and Epidemiology

Total Required Credits: 45

Course Requirements

Required Courses – Credits: 18

- EOH 710 - Fundamentals of Public Health
- EOH 740 - Fundamentals of Environmental Health
- EAB 705 - Epidemiology and Public Health
- HCA 701 - U.S. Health Care System: Programs and Policies
- HED 720 - Program Planning and Grant Writing in Health Promotion
- EAB 703 - Biostatistical Methods for the Health Sciences

Biostatistics and Epidemiology Courses – Credits: 12

- EAB 700 - Research Methods for Public Health
- EAB 715 - Chronic Disease Epidemiology
- EAB 725 - Epidemiology of Infectious Diseases
- EAB 763 - Linear Statistical Models

Internship – Credits: 3

- EOH 793 - Internship in Public Health

An additional 3 credits of internship may be taken as an elective for a total of 6 credits of internship.

Elective Courses – Credits: 6-9

Students completing a thesis must complete six credits of elective coursework, and students completing a project must complete nine credits of elective coursework. Select from the following list:

- Den 7151 – Healthcare Finance and Public Health (1 credit)
- Den 7154 – Healthcare Delivery: Patient Record and HIPAA Regulations (1.5 credits)
- Den 7160 – Research and Professional Development I (1 credit)
- Den 7161 – Research and Professional Development II (1.5 credits)
- Den 7162 – Biochemical Basis of Clinical Nutrition (3 credits)
- Den 7253 – Research and Analysis Methodology (1.5 credits)

Culminating Experience – Credits: 3-6

Complete one of the following:

- EAB 794 - Professional Paper in Epidemiology and Biostatistics (3 credits)
- EAB 798 - Thesis Research in Epidemiology and Biostatistics (6 credits)

Degree Requirements

1. Completion of a minimum of 45 credit hours with a minimum GPA of 3.00.
2. Students enrolled in the DMD-MPH Track program must remain in good academic/ethical standing in both the individual DMD and MPH programs or may be subject to dismissal.
3. Students in the DMD-MPH Track program are subject to the same rules and regulations that apply to all students at the School of Dental Medicine and the School of Public Health.
4. Upon date of entry into the MPH program, students will be given a maximum time frame of five years in which they must satisfy the degree requirements for the Masters in Public Health degree.

5. In consultation with his/her advisor, a student will organize a committee of at least three departmental members. In addition, a fourth member from outside the department, known as the Graduate College Representative, must be appointed. An additional committee member may be added at the student and department's discretion. Please see Graduate College policy for committee appointment guidelines.

Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
2. Students must receive prior approval from their committee before registering for any capstone experience.
3. Successfully complete and defend the professional paper or successfully complete and defend a thesis by the posted deadline. The defense must be advertised and is open to the public.
4. If a thesis is completed, the student must submit his/her approved, properly formatted document to the Graduate College, and submit the approved electronic version to ProQuest by the posted deadline.

Plan Graduation Requirements

Refer to your subplan for Graduation Requirements.

Doctor of Philosophy - Public Health

Plan Description

The School of Public Health (SPH) is pleased to offer a doctoral program (Ph.D.) in Public Health.

Students with an MPH must complete 54 credits beyond the Master of Public Health (MPH). Students with a master's degree in a related field must complete 54 credits beyond the master's degree and up to an additional 15 credits of deficiency.

Educational Objectives

The Ph.D. – Public Health is designed to prepare students for careers in which advanced analytical and conceptual capabilities are required, such as university teaching, research, consulting, policy development or other high-level positions.

This program is competitive and space is limited. More students will apply than will be admitted. The most competitive students will have a strong academic record and a clear plan for their proposed research.

Completion of the Ph.D. demonstrates that the graduate has the advanced research skills and competencies necessary to succeed in high-level research careers.

Upon admission, each student will be assigned an academic (not dissertation) advisor who will help the

student begin planning a program of study. Students are expected to identify a dissertation committee before the end of their second semester in the program.

For more information about your program, including your graduate program handbook and learning outcomes, please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

Admission into the Public Health Ph.D. Program at UNLV will require applicants to meet the standard criteria of the UNLV Graduate College, applicable to all graduate students, both domestic and international, and contingent upon the qualifications of the applicant and the availability of openings for new students. Doctoral students are admitted as a cohort, once a year, for the fall semester. Applicants must have submitted all required materials by the deadline for admission in the following fall semester. Students will be admitted directly into the doctoral program, and all admissions will require the final approval of the Dean of the UNLV Graduate College. In addition to the generic requirements of the UNLV Graduate College, applicants will be expected to meet the following criteria:

1. Earned a bachelor's and Master's of Public Health (MPH) or a master's degree in an appropriate field from an accredited university. Applicants educated outside of the United States will need to demonstrate proof of equivalent education and advanced degrees.
2. A minimum grade point average of 3.0 (4.0=A) earned in a masters' program of study. The most competitive students will have a master's level GPA of 3.5 or higher.
3. Applicants must present competitive Graduate Record Exam (GRE) scores on verbal, quantitative and analytical measures. GRE scores will be assessed relative to other applicants in the pool, as well as relative to other graduate programs at UNLV. The exam must have been taken with the institutions' graduate school/college requirements. The most competitive students will have a combined verbal/quantitative GRE score of 1200 (old test) /300 (new test) or higher. The GRE is required for all applicants.
4. Letters of Recommendation- Three (3) letters of recommendation are required from faculty and other individuals who can evaluate the applicant's motivation, academic capability, scholarship potential, and personal goals for doctoral study.
5. Written Self-Presentation- Applicants must submit for review a written statement of personal career, educational and scholarship goals including identification of research interests. The most competitive students will clearly identify their plan for dissertation research and its contribution to the field of public health.

6. A current CV or resume must be submitted.
7. Interview-Applicants may be asked to participate in an interview with member(s) of the Admissions Committee, either in person or by telephone. Applicants may also be asked to submit a writing sample.
8. Applicants must identify an Area of Emphasis (subplan) at the time of application.
9. All students are required to take or have taken at the Master's level the following 15 credit hours or their approved equivalent:
 - EOH 740 - Fundamentals of Environmental Health or HED 705 - Theoretical Foundations in Health Promotion
 - EAB 703 - Biostatistical Methods for the Health Sciences
 - EAB 705 - Epidemiology and Public Health
 - HCA 701 - U.S. Health Care System: Programs and Policies
 - HED 720 - Program Planning and Grant Writing in Health Promotion

All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

See Subplan Requirements below.

- Subplan 1: Global and Environmental Health Track
- Subplan 2: Social Behavioral Health Track
- Subplan 3: Epidemiology and Biostatistics Track
- Subplan 4: Health Service Management and Policy Track

Subplan 1 Requirements: Global and Environmental Health Track

Total Credits Required: 54

Course Requirements

Core Requirements – Credits: 18

- EOH 790 - Doctoral Seminar
- EAB 756 - Epidemiology and Research
- EAB 791 - Intermediate Biostatistics for Public Health Research
- EOH 791 - Implementation Science for Global Health
- HCA 791 - Policy Analysis of Health Care Delivery and Financing
- HED 791 - Community Based Participatory Research Methods

Proposal Writing Courses – Credits: 3

Complete at least one of the following courses:

- EAB 720 - Grant Writing for Epidemiology and Public Health Research
- HED 720 - Program Planning and Grant Writing in Health Promotion
- HSC 703 - Interdisciplinary Grant Writing for Health Sciences
- NURS 779 - Writing a Research Grant Application

Concentration Courses – Credits: 6

Complete at least two of the following courses:

- EOH 711 - Diseases that Changed the World
- EOH 717 - Food Safety and Public Health
- EOH 747 - Transmission of Infectious Disease
- EOH 757 - Parasitology and Public Health
- EOH 767 - Airborne Pathogens and Human Health
- EOH 769 - Pollution and Health
- EOH 777 - Emerging Infectious Disease
- EOH 796 - Independent Study in Environmental Health
- ENV 711 - Risk Assessment and Risk Management
- ENV 712 - Environmental Risk Decision Making
- HPS 680 - Industrial Hygiene

Elective Courses – Credits: 12

Complete 12 credits of advisor-approved coursework. A list of potential courses is below, however, additional relevant courses offered through the university may be approved by your advisor.

- EAB 618 - Applied Geographic Information Systems in Public Health
- ENV 725 - Quantitative Methods for Environmental Science
- EOH 744 - Mixed Methods Research for Public Health
- HCA 715 - Health Services Research Methods
- HSC 702 - Translational Research Design
- EAB 753 - Nonparametric Statistics for Public Health
- EAB 773 - Survival Analysis for Public Health
- EAB 783 - Multivariate Methods for the Health Sciences
- EOH 704 - Research Integrity & Ethics
- EOH 709 - Scientific/Technical Writing for the Health and Life Sciences
- EOH 765 - Seminar in Environmental Justice and Public Health

- EAB 715 - Chronic Disease Epidemiology
- EOH 705 - Social Epidemiology
- EOH 713 - Public Health Law
- EOH 732 - Children, Development, Health, and the Environment
- HED 761 - Racial and Ethnic Disparities in Health
- HCA 718 - Health Care Economics
- HED 730 - Program Evaluation in Health Promotion
- EOH 795 - Special Topics in Public Health

Prospectus/Dissertation – Credits: 15

Prior to advancing to candidacy, students will take 3 credits of dissertation prospectus. Once advanced to candidacy, students will enroll in 12 dissertation credits.

- EOH 799 - Dissertation
- EOH 797 - Dissertation Prospectus

Degree Requirements

See Plan Degree Requirements below.

Graduation Requirements

See Plan Graduation Requirements below.

Subplan 2 Requirements: Social Behavioral Health Track

Total Credits Required: 54

Course Requirements

Core Requirements – Credits: 18

- EOH 790 - Doctoral Seminar
- EAB 756 - Epidemiology and Research
- EAB 791 - Intermediate Biostatistics for Public Health Research
- EOH 791 - Implementation Science for Global Health
- HCA 791 - Policy Analysis of Health Care Delivery and Financing
- HED 791 - Community Based Participatory Research Methods

Concentration Courses – Credits: 3

- EOH 705 - Social Epidemiology
- HED 761 - Racial and Ethnic Disparities in Health

Elective Courses – Credits: 12

Complete 12 credits of additional advisor-approved elective courses.

Methods Courses – Credits: 3

Complete one of the following courses:

- EOH 744 - Mixed Methods Research for Public Health
- EOH 715 - Qualitative & Field Methods for Public Health

Research Courses – Credits: 3

Complete one of the following courses:

- EAB 733 - Survey Sampling for the Health Sciences
- EAB 743 - Experimental Design for the Health Sciences
- EAB 753 - Nonparametric Statistics for Public Health
- EAB 763 - Linear Statistical Models
- EAB 773 - Survival Analysis for Public Health
- EAB 783 - Multivariate Methods for the Health Sciences

Prospectus/Dissertation – Credits: 15

Prior to advancing to candidacy, students will take 3 credits of dissertation prospectus. Once advanced to candidacy, students will enroll in 12 dissertation credits.

- EOH 799 - Dissertation
- EOH 797 - Dissertation Prospectus

Degree Requirements

See Plan Degree Requirements below.

Graduation Requirements

See Plan Graduation Requirements below.

Subplan 3 Requirements: Epidemiology and Biostatistics Track

Total Credits Required: 54

Course Requirements

Core Requirements – Credits: 18

- EOH 790 - Doctoral Seminar
- EAB 756 - Epidemiology and Research
- EAB 791 - Intermediate Biostatistics for Public Health Research
- EOH 791 - Implementation Science for Global Health
- HCA 791 - Policy Analysis of Health Care Delivery and Financing
- HED 791 - Community Based Participatory Research Methods

Epidemiology Courses – Credits 6

Complete two of the following courses:

- EAB 715 - Chronic Disease Epidemiology
- EAB 716 - The Epidemiology of Obesity
- EAB 725 - Epidemiology of Infectious Diseases
- EOH 747 - Transmission of Infectious Disease
- EAB 755 - Cancer Epidemiology

Biostatistics Course – Credits: 6

Complete two of the following courses:

488 Graduate Catalog • School of Public Health

- EAB 618 - Applied Geographic Information Systems in Public Health
- EAB 730 - Introduction to Statistical Computing with SAS
- EAB 733 - Survey Sampling for the Health Sciences
- EAB 743 - Experimental Design for the Health Sciences
- EAB 753 - Nonparametric Statistics for Public Health
- EAB 763 - Linear Statistical Models
- EAB 773 - Survival Analysis for Public Health
- EAB 783 - Multivariate Methods for the Health Sciences
- EAB 788 - Meta-Analysis in Public Health
- EAB 770 - Applied Statistical Methods for Categorical Data

Elective Courses – Credits: 9

Complete an additional 9 credits of advisor-approved coursework from either the Epidemiology or the Biostatistics courses above.

Prospectus/Dissertation – Credits: 15

Prior to advancing to candidacy, students will take 3 credits of dissertation prospectus. Once advanced to candidacy, students will enroll in 12 dissertation credits.

- EOH 799 - Dissertation
- EOH 797 - Dissertation Prospectus

Degree Requirements

See Plan Degree Requirements below.

Graduation Requirements

See Plan Graduation Requirements below.

Subplan 4 Requirements: Health Service Management and Policy Track

Total Credits Required: 54

Course Requirements

Core Requirements – Credits: 18

- EOH 790 - Doctoral Seminar
- EAB 756 - Epidemiology and Research
- EAB 791 - Intermediate Biostatistics for Public Health Research
- EOH 791 - Implementation Science for Global Health
- HCA 791 - Policy Analysis of Health Care Delivery and Financing
- HED 791 - Community Based Participatory Research Methods

Concentration Courses – Credits: 9

- HCA 715 - Health Services Research Methods
- HCA 716 - Health Care Accounting and Finance
- HCA 719 - Operations and Quality Management of Health Services

Research Methods Course – Credits: 3

Complete one of the following courses:

- EAB 733 - Survey Sampling for the Health Sciences
- EAB 753 - Nonparametric Statistics for Public Health
- EAB 763 - Linear Statistical Models
- EAB 773 - Survival Analysis for Public Health
- EAB 783 - Multivariate Methods for the Health Sciences
- ECO 772 - Econometrics II
- EOH 715 - Qualitative & Field Methods for Public Health

Elective Courses – Credits: 9

Complete 9 credits of advisor-approved coursework.

- HCA 718 - Health Care Economics
- HCA 730 - Strategic Management of Health Services

Dissertation – Credits: 15

Prior to advancing to candidacy, students will take 3 credits of dissertation prospectus. Once advanced to candidacy, students will enroll in 12 dissertation credits.

- EOH 799 - Dissertation
- EOH 797 - Dissertation Prospectus

Degree Requirements

See Plan Degree Requirements below.

Graduation Requirements

See Plan Graduation Requirements below.

Plan Degree Requirements

1. A grade point average of at least a 3.0 must be maintained in all courses required for the degree; no grade less than a B in any course is acceptable for curricular completion of the program.
2. All students are required to complete a written Comprehensive Examination upon completion of the core courses of the program. The examination is designed to assess the student's ability to synthesize knowledge, as demonstrated by the selection and integration of information from several doctoral courses and is evaluated by written discussion in response to examination questions. The Comprehensive Examination may only be repeated once, and must be repeated within one semester of the initial attempt. Students unable to pass the Comprehensive Examination after a second attempt may be separated from the program.

3. After successful completion of the Comprehensive Exam the student must establish a Dissertation committee. The committee will include at minimum a Chairperson with expertise in the student's Area of Emphasis, two additional committee members from the School of Public Health Sciences, and a Graduate College Representative. Students may also elect to add approved, external committee member with expertise in the student's selected area of emphasis.

4. Upon completion of all required course work other than dissertation, each student must take the Oral Qualifying Examination that will focus on those areas of knowledge most relevant to the student's dissertation topic. The Oral Qualifying examination may only be repeated once, and must be repeated within one semester of the initial attempt. If a student fails a second attempt, the student may be separated from the program.

5. Upon successful completion of both the Written Comprehensive and Oral Qualifying examinations, the student will present a dissertation prospectus to his/her committee and an oral presentation to peers and faculty. The prospectus is a written presentation of the student's dissertation research plan. The oral presentation is a public presentation of the research plan. The prospectus becomes the agreement for the student's dissertation research. Upon approval of the prospectus, the student advances to candidacy, can register for dissertation credits, and begin their independent research.

6. Upon completion of the dissertation, the student must pass a final oral examination that involves the public presentation and successful defense of their dissertation study. All advisory committee members must be present for the final defense and may question the student following presentation of the study. The defense will be scheduled and conducted in accordance with the Graduate College/ School's policies for dissertation completion. It is the student's responsibility to file all required forms and written materials with the Graduate College in a timely manner.

Plan Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
2. The student must submit and successfully defend his/her dissertation by the posted deadline. The defense must be advertised and is open to the public.
3. Student must submit his/her approved, properly formatted dissertation to the Graduate College, and submit the approved electronic version to ProQuest by the posted deadline.

Environmental and Occupational Health Courses

EAB 618 - Applied Geographic Information Systems in Public Health Credits 3

Geographic information systems (GIS) and their applications in public health. Topics include spatial data acquisition, integration, modification, geanalytics and geovisualization. Equips graduate students with knowledge and skills to frame geospatial health disparity research questions, and to conduct public health research. Prerequisites: Admitted into the Master in Public Health, Master in Health Care Administration, or Ph.D. in Public Health program, or consent of instructor.

EAB 700 - Research Methods for Public Health Credits 3

Provides a foundation in research methodology for public health professionals. Topics include basic sampling and experimental designs, quantitative and qualitative methods in research, mathematical and economic models in research, and multidisciplinary approaches to designing research programs. Prerequisites: EAB 703 or consent of instructor.

EAB 703 - Biostatistical Methods for the Health Sciences Credits 3

Designed to provide a foundation in biostatistics for graduate students in the health sciences. Topics include probability, distributions, estimation, hypothesis testing, ANOVA, simple and multiple regression, vital statistics, and nonparametric methods. Prerequisites: Undergraduate mathematics through calculus, comparable graduate coursework, or consent of instructor.

EAB 704 - Research Integrity & Ethics Credits 3

Designed to provide students with an understanding of how to conduct responsible research. Covers the concepts of scientific ethics and integrity broadly in order to provide a foundation for future research professionals. Topics include ethical principles, peer review, mentoring, IRB, collaborative research, and scientific record keeping.

EAB 705 - Epidemiology and Public Health Credits 3

Explores principles related to the distribution and causality of disease. Focuses on etiology, prevention and control of communicable and chronic human disease. Participants trained in basic epidemiological methodology, featuring case-series, case-control, experimental and cohort study designs.

EAB 715 - Chronic Disease Epidemiology Credits 3

Surveys the major chronic diseases with an emphasis on recent epidemiological research and findings, demographic and populations aspects of chronic illness, causation and risk factors, prevention, and control. Prerequisites: HED 725 or consent of instructor

EAB 716 - The Epidemiology of Obesity Credits 3

Describes the epidemiology and prevention of obesity and associated complications. Discusses methodological issues associated with evaluating epidemiologic studies that target obesity. Designed to cover the global epidemic of obesity, the environmental and behavioral risk factors, as well as interventions to reduce and prevent obesity.

EAB 720 - Grant Writing for Epidemiology and Public Health Research Credits 3

Covers the process of designing competitive research grant proposals from conceptualization to grant management. Prerequisites: Core epidemiology class, research methods.

EAB 725 - Epidemiology of Infectious Diseases Credits 3

Introduces the basic concepts in infectious disease epidemiology. Students develop a basic conceptual understanding and analytic skills in the investigation and control of infectious diseases in human populations. Students describe the most common infectious diseases, including their transmission, pathogenesis, treatment, prevention, and control. Grading Letter Grade Prerequisites: EAB 705 and EOH 710

EAB 730 - Introduction to Statistical Computing with SAS Credits 3

PC-based statistical computing applications with SAS 9.3 for public health. Develop basic skills in the use of a statistical package through classroom demonstrations and independent lab assignments that will complement the material covered in EAB 703 or equivalent. Emphasize data definition, verification, descriptive and inferential statistics and graphical presentation. Prerequisites: EAB 703

EAB 733 - Survey Sampling for the Health Sciences Credits 3

Introduces the basics of sampling theory and application in the health sciences. Several popular designs will be covered in depth. Other topics include sources of error in sampling, design of surveys, and population size determination. Prerequisites: EAB 703 or consent of instructor.

EAB 735 - Outbreak Investigation Credits 3

Students will work through simulated outbreak situations, culminating in a lengthy simulation of an outbreak. Students will be responsible for all aspects of the investigation including report writing. Through partnership with community health agencies, students will have the opportunity to assist in actual outbreak investigations occurring during the semester. Prerequisites: HED 725/EAB 705 or equivalent

EAB 743 - Experimental Design for the Health Sciences Credits 3

Provides thorough coverage of experimental design for student in the health sciences. Topics include single factor designs, factorial experiments, within-factor designs, nested designs, analysis of trend, and general linear models. Prerequisites: EAB 703 or consent of instructor.

EAB 753 - Nonparametric Statistics for Public Health Credits 3

Designed to provide a strong foundation in nonparametric statistical methods commonly used in public health. Topics explored in the course include ranked data, transformation of ranks, methods for paired and independent samples, nonparametric regression and correlation, categorical data analysis, and robust estimation. Prerequisites: Graduate level biostatistics.

EAB 755 - Cancer Epidemiology Credits 3

This course is an introduction to cancer epidemiology. The objective is to make the student use, learn and consolidate basic analytic skills in developing research projects in cancer. It includes among others the following topics: trends, biology of cancer, issues in prostate, breast, colorectal, lung, and cervical cancer, cancer screening, GIS and spatial analysis in cancer, survival, and migrant studies.

EAB 756 - Epidemiology and Research Credits 3

Topics in Epidemiology II include analytic reasoning in public health and in disease surveillance, descriptive epidemiology and causal inference with a special emphasis on study design. This course will largely make use of scientific articles to provide students with a solid basis to critically analyze and develop medical/public health research. May be repeated to a maximum of three credits. Prerequisites: EAB 703 and EAB 705

EAB 760 - Perinatal and Pediatric Epidemiology Credits 3

Examines risk factors affecting human reproduction, pregnancy, birth outcomes, fetal and child development, and maternal and child health conditions. Explores perinatal and pediatric health from a population viewpoint, summarizes research progress and limitations, identifies unsolved questions, and promotes the design of new studies in relevant areas. Grading Letter Grade. Prerequisites: Enrollment in the Public Health doctoral program or consent of instructor; open to MPH students. EAB 705 or HCA 702 .

EAB 763 - Linear Statistical Models Credits 3

Explores the foundations and applications of linear statistical models. Applications include simple, multivariate, and logistic regression; time series analysis; single-/multiple-factor ANOVA; random and mixed effects models; and ANCOVA. Several experimental designs will also be explored. Prerequisites: Graduate level biostatistics.

EAB 770 - Applied Statistical Methods for Categorical Data Credits 3

Focus on introducing methodology and statistical programming for categorical data analysis, including multi-way contingency tables, the logit model for binary responses, multi-category logit models for nominal and ordinal responses, and loglinear models. SAS codes will be provided. Grading graded Prerequisites: EAB 703

EAB 773 - Survival Analysis for Public Health Credits 3

Explores the broad area of survival analysis for analyzing data derived from laboratory, clinical, and epidemiological studies. Methods explored in this course include survival functions, data censoring, hazard models, regression models, and parametric/nonparametric methods for comparing survival models. Prerequisites: EAB 753 and EAB 763

EAB 783 - Multivariate Methods for the Health Sciences Credits 3

Provides an in- depth coverage of common multivariate methods. Topics include multivariate correlation and regression, multivariate ANOVA, logistic regression, factor analysis, time series analysis, and principle component analysis. Emphasis placed on application of techniques useful for students in the health sciences. Prerequisites: EAB 773 or consent of instructor.

EAB 788 - Meta-Analysis in Public Health Credits 3

Logic and application of meta-analysis in public health. Computing effect size and summary effects, conduct sensitivity and subgroup analysis, assess heterogeneity, and potential biases. Prerequisites: EAB 703 and EAB 705

EAB 790 - Current Topics in Environmental Health and Epidemiology Credits 1-3

This is an advanced seminar course directed by members of the Department of Environmental and Occupational Health and the Epidemiology and Biostatistics Program. Seminars will be facilitated by faculty members based on their particular areas of research interest and expertise.

EAB 791 - Intermediate Biostatistics for Public Health Research Credits 3

Develop analytic capability with relevant statistical approaches, including the generalized linear/mixed/additive model, logistic regression, multivariate analysis, and power analysis. Methodological knowledge, statistical programming, and explaining statistical outputs. SAS codes will be provided. Prerequisites: EAB 703

EAB 793 - Internship in Epidemiology and Biostatistics**Credits 1 – 3**

Capstone experiences for the MPH degree and is intended to provide students with applied work experience in a local agency, organization, center or institute. Notes: May be repeated to a maximum of six credits. Grading S/F Prerequisites: Admission to the School of Public Health or consent of instructor.

EAB 794 - Professional Paper in Epidemiology and Biostatistics Credits 3

Provides the opportunity for a graduate degree candidate to be involved in an in-depth project. A formal paper and presentation describing the project culminate this experience. Notes: May be repeated to a maximum of six credits. Grading S/F (with X) Prerequisites: Admission to the School of Public Health or consent of instructor.

EAB 795 - Special Topics in Epidemiology and Biostatistics Credits 1 – 3

Selected topic of current interest in epidemiology and biostatistics. Notes: May be repeated to a maximum of six credits. Grading Letter Grade Prerequisites: Admission to the School of Public Health or consent of instructor.

EAB 796 - Independent Study in Epidemiology and Biostatistics Credits 1 – 3

Independent study of a selected topic in Epidemiology or Biostatistics. Grading Letter Grade Prerequisites: Admission to the School of Public Health or consent of instructor.

EAB 798 - Thesis Research in Epidemiology and Biostatistics Credits 1 – 6

Research, analysis, and development work towards completion of an approved project. Notes: May be repeated, but a maximum of six credits will apply towards the student's degree program.

EOH 601 - Advanced Environmental Toxicology Credits 3

The following course has been approved for graduate credit. A full description of this course may be found in the Undergraduate Catalog under the corresponding 400 number. Grading graded

EOH 645 - Food access and health Credits 3

This course will provide students with the knowledge and skills to understand and navigate the built environment and industrial food complex with regard to the availability of healthy food and clean water. Topics will include the concept of food deserts, access to safe and healthy foods, obesity, malnutrition, and critical public health problems associated with food, water consumption, and sustainable solutions. Same as PBH445 Notes: Course may not be repeated for credit. Grading Letter Grade

EOH 655 - Active Transport, Physical Activity and Health Credits 3

This course will examine the public health benefits of active transport and physical activity and concepts relevant to the built environment that facilitate or hinder participation in active transport and physical activity. Class topics will include: land use and travel behavior; the built environment and public health; transportation demand management; bicycle and pedestrian planning; design of bicycle and pedestrian facilities; retrofitting existing urban areas; safety issues for pedestrians and bicyclists; the transportation needs of special populations (elderly, children, disabled and immigrants); and innovative solutions. Same as PBH 455

EOH 701 - Measurement Techniques in Infection Prevention Credits 3

Provides the essential training in fundamental epidemiology and biostatistics used in healthcare infection prevention programs.

EOH 704 - Research Integrity & Ethics

Credits 3

RESEARCH INTEGRITY & ETHICS

EOH 705 - Social Epidemiology Credits 3

Focuses on the social determinants of health and the health implications of social phenomena such as class, discrimination, and work. Students will examine life course hypotheses and the impact of early exposure to disease in later life as well as intervention strategies that incorporate social change elements. Prerequisite: Core epidemiology class.

EOH 709 - Scientific/Technical Writing for the Health and Life Sciences Credits 3

Technical writing skills are critical to success in publication of scientific journal articles, approval of research grant submissions, and acceptance of thesis/dissertation requirements. In this course students will study techniques and develop skills in technical writing useful to professionals in health care and life sciences.

EOH 710 - Fundamentals of Public Health Credits 3

Introduces students to public health concepts and practice. Provides broad overview of the field of public health and focused look at core areas of health promotion and education, environmental health, epidemiology and bio statistics, and health care administration in the public health arena.

EOH 711 - Diseases that Changed the World Credits 3

Human disease has played a significant role in social and political changes worldwide. In this course students will study the impact of people and disease on historical events, and present written and oral discussions of selected topics including how these events impact public health.

EOH 713 - Public Health Law Credits 3

Examines the history of public health law and the role, authority and limitations of government to enact and enforce such laws. Students will examine the development of public health laws and the relationship between government entities in carrying out the laws.

EOH 715 - Qualitative & Field Methods for Public Health Credits 3

This course will provide students with the content/skills needed to conduct community-based participatory field research. This course will explore several topics related to qualitative research: theoretical aspects of qualitative research, negotiating community, designing the study, ethnographic observations, triangulating data, and writing a field study report.

EOH 717 - Food Safety and Public Health Credits 3

Foodborne illness has a significant impact on public health. In this course students will study microbiological and chemical aspects of food safety including factors that affect growth or organisms in food and production of toxins that can result in foodborne illness.

EOH 730 - Overview Of The Healthcare Infection Prevention Program Credits 3

Provides an overview to the critical elements and functions of healthcare facilities' infection prevention programs as required by the multiple of regulatory agencies. Also serves as a guide and review for the Certification in Infection Control examination.

EOH 732 - Children, Development, Health, and the Environment Credits 3

Focuses on health issues specific to children age 0-18, such as abuse and neglect, insurance, nutrition, immunization, mental health, substance abuse, sexuality and chronic disease. Students will examine the unique status of children in the public health system as well as systemic approaches to improving services and policies. Prerequisites: MPH core classes.

EOH 735 - Outbreak Investigation Credits 3

Students will work through simulated outbreak situations, culminating in a lengthy simulation of an outbreak. Students will be responsible for all aspects of the investigation including report writing. Through partnership with community health agencies, students will have the opportunity to assist in actual outbreak investigations occurring during the semester.

EOH 740 - Fundamentals of Environmental Health Credits 3

This course will address chemical, physical and biological factors in the environment and their relationship to the health of the human population.

EOH 744 - Mixed Methods Research for Public Health Credits 3

An overview of mixed methods research. Defines and describes the history of mixed quantitative and qualitative methods research. An examination of the types of designs and a discussion of the process of research as it relates to each of these designs. Prerequisites: Consent of instructor

EOH 747 - Transmission of Infectious Disease Credits 3

Exposure to disease causing microorganisms occurs via inhalation, ingestion, and dermal contact. Students will study transmission of selected microorganisms via the air, water, food, vectors, and person-to-person contact.

EOH 750 - Healthcare Facility Infection Prevention Programs Credits 3

Develops an understanding of the problems and potential solutions to infection prevention issues in healthcare facilities.

EOH 757 - Parasitology and Public Health..... Credits 3

Parasitic infections resulting from exposure to parasites that invade the intestine, blood, or tissues of humans can result in serious disease. This course will discuss a variety of human parasites, resulting disease, and treatment and control strategies to minimize exposure and health impacts.

EOH 765 - Seminar in Environmental Justice and Public Health Credits 3

Explores the impact of environmental hazards on community health and examine strategies for developing justice resources and effective policy change. Students will examine actual cases and their health and policy outcomes. Focus on community based strategies for research, advocacy, and environmental change. Prerequisites: EOH and MPH core classes.

EOH 766 - Biological Invasions and Environmental Health Credits 3

This class covers topics with regard to the human introduction, impacts, and prevention of invasive species to environmental health, such as invasion theory, species distinction, ecosystem health, social and economic impacts, invasive species control and management.

EOH 767 - Airborne Pathogens and Human Health Credits 3

Airborne pathogens are microorganisms that can cause disease or adverse health effects when humans are exposed to them in indoor and outdoor environments. This course will describe the physical and environmental parameters that affect the dispersal, transport and survival of airborne pathogens and discuss the human health impacts of exposure.

EOH 769 - Pollution and Health Credits 3

This course will address the major effects of pollution on human health and ecosystems.

EOH 775 - Injury Epidemiology Credits 3

This course will teach students about the epidemiology of intentional and unintentional injury. The course will include the basic concepts of injury prevention, injury surveillance, strategies for injury control, developing injury prevention programs, and designing injury research and evaluation. Prerequisites: Core Epidemiology and Research Methods.

EOH 777 - Emerging Infectious Disease Credits 3

Re-emerging and newly recognized/emerging infections diseases are having a significant on public health world-wide. This course will present a variety of new diseases resulting from exposure to emerging and re-emerging microbial pathogens and suggested treatment and control strategies to minimize exposure and health impacts.

EOH 780 - Data Management for Public Health Research and Practice Credits 3

Examination of concepts, tools, and methods of data collection, management and processing in public health. Topics include the data life cycle, data structure and databases, statistical and geospatial analysis tools, data visualization, preprocessing and cleaning, security and data exchange. Grading letter grade Prerequisites: Enrollment in the Public Health doctoral program or consent of instructor.

EOH 781 - Public Health Policy: Integrating Theory and Practice Credits 3

How policy is used as a tool of public health through theory, case studies, and application through collaboration with community partners. Topics include the policy process; the roles of science, law, ethics, economics, and politics in policy; policy analysis; public health advocacy. Prerequisites: Graduate standing

EOH 790 - Doctoral Seminar Credits 3

Doctoral seminar presentations on contemporary research in public health by faculty members and guest speakers with emphasis on application of research methodology. Grading letter grade Prerequisites: EOH 710

EOH 791 - Implementation Science for Global Health Credits 3

Implementation science as applied in global health to improve population health outcomes. Highlights current challenges in global health and the role of implementation science in addressing them. Implementation frameworks and designing implementation science studies.

EOH 793 - Internship in Public Health. Credits 1 – 3

The environmental internships is one of the capstone experiences for the MPH degree and is intended to provide students with applied work experience in a local agency, organization, center or institute. Formerly Notes: May be repeated to a maximum of six credits. Grading letter grade Prerequisites: Consent of instructor.

EOH 794 - Professional Paper in Environmental Health Credits 3

Capstone experience involving in-depth project either written or experimental in nature. A formal paper and presentation required. Notes: May be repeated to a maximum of six credits. Grading S/F (with X) Prerequisites: Admission to the School of Public Health or consent of instructor.

EOH 795 - Special Topics in Public Health Credits 3

Selected topic of current interest not covered in any existing courses in environmental and occupational health. Notes: May be repeated to a maximum of three credits. Grading Letter Grade Prerequisites: Admission to the School of Public Health or consent of instructor.

EOH 796 - Independent Study in Environmental Health Credits 1 – 3

Independent study of a selected topic in Environmental and Occupational Health. Notes: May be repeated to a maximum of six credits. Grading Letter Grade Prerequisites: Admission to the School of Public Health or consent of instructor.

EOH 797 - Dissertation Prospectus Credits 1-9

Provides guidance in the development of dissertation prospectus. Notes: May be repeated a maximum of 9 credits.

EOH 798 - Thesis Research Credits 1 – 6

Notes: May be repeated, but a maximum of six credits will apply towards the student's degree program. Grading S/F grading only.

EOH 799 - Dissertation Credits 1-9

Research analysis and writing towards completion of dissertation in Environmental and Occupational Health. Notes: May be repeated to a maximum of 21 credits Grading Thesis Dissertation X Prerequisites: PhD standing

HED 607 - Stress Management Credits 3

Explores such things as the meaning of stress, its effects, how it manifests itself physically, mistakes made in handling stress, and strategies for self-care in managing stress. Particular emphasis on the role of physical activity in controlling stress and the development of a controlled lifestyle that provides a balance between work and play and rest and exercise. Notes: This course is crosslisted with PBH 407. Credit at the 600-level requires additional work.

HED 627 - Methods in Health Education Credits 3

Gives the prospective health educator a foundation in health education, including curriculum planning, teaching methods, and materials. Notes: This course is crosslisted with PBH 427. Credit at the 600-level requires additional work.

HED 629 - Education for Sexuality Credits 3

Physical, mental-emotional, and social aspects of sexuality including sexual communication, relationships, gender, decision making and sexual pleasure and function. Structured to prepare individuals to conduct meaningful learning experiences in personal and family life sex education. Notes: This course is crosslisted with PBH 429. Credit at the 600-level requires additional work.

HED 630 - Nutrition Credits 3

Practical application of nutrition principles to diet, exercise, and weight control, food selection, and the overall health of the individual. Nutritional needs throughout the life cycle emphasized. Notes: This course is crosslisted with PBH 430. Credit at the 600-level requires additional work.

HED 635 - Health Studies on Dangerous Drugs Credits 3

Analysis and evaluation of scientific data on effects of tobacco, alcohol, narcotics, and other dangerous drugs. Current problems relating to control of use and abuse of these drugs and the role of education in preventing substance abuse. Notes: This course is crosslisted with PBH 435. Credit at the 600-level requires additional work.

HED 700 - Contemporary Issues in Health Promotion Credits 3

Selected studies in health promotion, health education or health-related area addressed through readings, discussions, and/or presentations. Formerly (HED 780) Notes: Specific topic(s) announced in the schedule of classes. May be taken up to a maximum of six credits. Prerequisites: Graduate standing, consent of instructor and/or degree program advisor.

HED 705 - Theoretical Foundations in Health Promotion Credits 3

Study of the social, cultural, demographic, political, and educational foundations of health promotion. Professional and practice settings in health promotion reviewed. Traditional and contemporary concepts of treatment, intervention, and prevention as applied to health promotion investigated.

HED 710 - Fundamentals of Public Health Credits 3

Introduces students to public health concepts and practice. Provides broad overview of the field of public health and focused look at core areas of health promotion and education, environmental health, epidemiology and biostatistics, and health care administration in the public health arena.

HED 716 - Qualitative & Field Methods for Public Health Credits 3

Explores topics related to qualitative research including: theoretical aspects of qualitative research, negotiating community, designing the study, ethnographic observations, triangulating data, and writing a field study report. Grading Letter grade

HED 720 - Program Planning and Grant Writing in Health Promotion Credits 3

Principles of program planning based on assessing individual and community needs and techniques to evaluate the effectiveness of health promotion programs. Also designed to analyze the process to obtain fiscal resources through grants, contracts, and other internal and external sources. Prerequisites: HED 700, 705

HED 725 - Epidemiology and Public Health Credits 3

Explores principles related to the distribution and causality of disease. Focuses on etiology, prevention and control of communicable and chronic human disease. Participants trained in basic epidemiological methodology, featuring case-series, case-control, experimental and cohort study Same as HED 725/EAB 705

HED 730 - Program Evaluation in Health Promotion Credits 3

Provides overview of processes and skills required to effectively evaluate health programs. Formative, summative, process, and outcome evaluation methods discussed for application in a variety of professional settings. Includes socio-cultural, political, administrative, and ethical issues in conducting evaluation. Formerly (HED 715) Prerequisites: HED 705, HED 720.

HED 735 - Practical Applications in Health Promotions Credits 3

Identification and development of methods and strategies within the health education system which influence decisions about personal, family, organizational, and community health promotion. Emphasis on developing competency in planning and implementation of classrooms and clinical teaching strategies and health information dissemination. Prerequisites: HED 700, 705, 720

HED 750 - Graduate Project in Health Promotion Credits 3

Capstone experience provides health promotion graduate degree candidate with opportunity to be involved with indepth project either written, experiential, or combination in nature. Planned and carried out under graduate faculty approval and supervision.

HED 755 - Thesis Research Credits 1-9

May be repeated, but a maximum of 9 credits will apply towards the student's degree program. Grading S/F grading only Prerequisites: HED 735

HED 760 - Technology in Health Promotion Credits 3

Use of current technology as it relates to health issues. Provides knowledge and skills to the health professional to enhance utilization of technology applications.

HED 761 - Racial and Ethnic Disparities in Health Credits 3

Explore the causes of health disparities and potential remedies for health-related inequities that associate with race, ethnicity, social class and culture. Grading Letter grade

HED 785 - Independent Study in Health Promotion Credits 1 – 3

Individually arranged study of areas of health promotion not covered in depth in other courses. Notes: May be repeated up to a maximum of six credits. Prerequisites: Consent of instructor and graduate program advisor.

HED 791 - Community Based Participatory Research Methods Credits 3

Teaches the philosophy and methods of community based participatory research. Focus on traditional research methods and their application to community health research as well as strategies for developing research partnerships, community consent, and essential competencies for research with diverse communities.

Health Care Administration and Policy

The health care industry is one of the three largest industries in the United States based on revenues, total assets or number of employees. Opportunities for employment in health care organizations are abundant in the Las Vegas Valley, other parts of Nevada, as well as in other areas of the U.S.A.

Job opportunities occur in the following types of organizations:

- Hospitals
- Ambulatory care facilities
- Sub-acute care facilities
- Rehabilitation facilities
- Long-term care facilities
- Medical practices or physician organizations
- Insurance companies
- Public health agencies
- Managed care and accountable care organizations
- Mental health programs
- Public health programs
- Consulting firms
- Government health care agencies
- Health and health care research facilities

Students in the Health Care Administration M.H.A. gain a broad view of the health care delivery system and develop an understanding of health and disease. They develop analytical skills through the curriculum including internships to prepare them for leadership positions in the organization, financing, delivery, and improvement of health care services.

Chris Cochran, Ph.D., Chair

Michelle Sotero, MPH, Ph.D., Graduate Coordinator

Health Care Administration and Policy Faculty

Program Director and Chair

Cochran, Christopher - Full Graduate Faculty
Professor of Health Care Administration; B.A.
University of Texas, El Paso; M.P.A., Ph.D.,
University of South Carolina. Rebel since 1997.

Graduate Coordinator

Epane, Josue - Full Graduate Faculty
Assistant Professor of Health Care
Administration; MBA, Ph.D., University of
Alabama, Birmingham. Rebel Since 2013.

Graduate Faculty

Bhandari, Neeraj

Assistant Professor of Health Care Administration; Ph.D.
Pennsylvania State University. Rebel since 2016.

Sotero, Michelle - Full Graduate Faculty

Assistant Professor of Health Care Administration; Ph.D.,
University of Nevada Las Vegas. Rebel since 2015.

Shen, Jay - Full Graduate Faculty

Professor of Health Care Administration and
Policy; M.S., Harvard University, Ph.D., Virginia
Commonwealth University. Rebel since 2006.

Moseley, Charles - Full Graduate Faculty

Professor Emeritus of Health Care Administration
and Policy; Ph.D., Virginia Commonwealth
University. Rebel since 1991.

Other Full-Time Faculty

Burston, Betty – Faculty in Residence

Ph.D., American University, 1984

Hillegass, Bonnie – Internship Coordinator

MHA, St. Francis University; BSN,
University of Nevada Las Vegas

Plan

Executive Master of Healthcare Administration

Master of Healthcare Administration

Executive Master of Healthcare Administration

Plan Description

The Executive MHA is designed for people with previous experience in administrative or managerial health care positions (e.g, risk management department director, burn unit director), 5 years of professional experience, or health care professionals who currently hold or are earning terminal degrees (e.g., MD, DDS, DNP, DPT) in healthcare and practice experience. EMHA students have a deep understanding of healthcare functions, but are looking to broaden their knowledge base as a way of moving up the organization into positions with cross-functional responsibilities. The EMHA is more strategic than operational and seeks to make students leaders in their organizations and knowledgeable consumers of the various types of healthcare administration information that may come across their desk.

This program is delivered in primarily an online setting. However, students are expected to attend two immersion sessions prior to the first and last semesters of the program.

For more information about your program, including your graduate program handbook and learning outcomes, please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

To be considered for admission, an applicant must meet Graduate College standards and:

1. Hold a bachelor's degree or recognized equivalent from a regionally accredited institution. A criterion for admission is at least a B (3.0) grade point average, or equivalent in work completed after the first two years of a bachelor's degree program, and in all post-baccalaureate course work. An applicant who does not meet this academic criterion may request special consideration.
2. Submit the following documents as part of your online application for admission:
 1. A one to two page personal essay describing why they want to pursue a career in health care management.
 2. A resume.
 3. Official transcripts from all post-secondary institutions attended.
 4. Contact information for three recommendation providers who will upload letters of recommendation on your behalf.

All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

Total Credits Required: 40

Course Requirements

Required Courses - Credits: 37

- EMHA 701 - Survey of U.S. Health Care System: Programs, Policies and Politics
- EMHA 702 - Epidemiology in Health Services Management
- EMHA 703 - Management of Health Services Organizations and Systems
- EMHA 710 - Public Health Fundamentals for Health Care Leaders
- EMHA 716 - Health Care Financial Management I/ Health Care Accounting
- EMHA 717 - Human Resources Management of

Health Care Organizations

- EMHA 718 - Health Care Economics
- EMHA 719 - Operations and Quality Management of Health Services
- EMHA 720 - Information Systems in Health Services Management
- EMHA 721 - Advanced Health Care Finance
- EMHA 730 - Strategic Management of Health Services
- EMHA 761 - Health Care Law and Ethics for Managers
- EMHA 778 - Special Topics in Healthcare Leadership

Capstone Course - Credits: 3

- EMHA 779 - Health Care Administration Capstone Course

Degree Requirements

The culminating experience will be the completion of EMHA 779, Health Care Administration Capstone course. During their first semester and in each subsequent semester, students will conduct a self-assessment of their leadership competencies to help identify a project that will help them attain their career goal. The project can be related to their current work environment or to a health care need at the local, regional, state or national level. Exercises conducted by the students during their academic curriculum should follow theme related to that project. The culminating experience will be based on developing a project related to that career goal. Assignments throughout the program will be included in a final portfolio for students to present in the capstone and relate those assignments to meeting their career or project goal.

Plan Graduation Requirements

The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.

Master of Healthcare Administration

Plan Description

The Master of Healthcare Administration degree program is the only graduate healthcare administration program in the Nevada System of Higher Education (NSHE). The MHA will prepare students to assume leadership roles in healthcare organizations. The degree is recognized in the health care field as an important credential that allows graduates to assume healthcare management positions. The curriculum is developed to include all the critical competencies for health care leadership, including

issues of healthcare delivery, healthcare finance, ethical and legal issues in healthcare administration and management topics. Students and faculty will contribute through research and service to the knowledge and applications of management in health care; and they will use their education and expertise to help meet the health care management needs of the State of Nevada and beyond.

For more information about your program, including your graduate program handbook and learning outcomes please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

To be considered for admission, an applicant must meet Graduate College standards and:

1. Hold a bachelor's degree or recognized equivalent from a regionally accredited institution. A criterion for admission is at least a B (3.0) grade point average, or equivalent in work completed after the first two years of a bachelor's degree program, and in all post-baccalaureate course work. An applicant who does not meet this academic criterion may request special consideration.
2. Submit the following documents as part of your online application for admission:
 1. A one to two page personal essay describing why they want to pursue a career in health care management.
 2. A resume.
 3. Official transcripts from all post-secondary institutions attended.
 4. Contact information for three recommendation providers who will upload letters of recommendation on your behalf.
3. Submit competitive Graduate Record Exam (GRE) or Graduate Management Aptitude Test (GMAT) scores (or equivalent e.g., MCAT, LSAT) on verbal, quantitative and analytical measures. GRE scores will be assessed relative to other applicants in the pool, as well as relative to other graduate programs at UNLV. The GRE is required for all applicants and must be current within 5 years.

All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

See Subplan Requirements below.

Subplan 1: Thesis Track

Subplan 2: Capstone Track

Subplan 3: Professional Paper Track

Subplan 1 Requirements: Thesis Track

Total Credits Required: 48

Course Requirements

Required Courses – Credits: 42

- EAB 703 - Biostatistical Methods for the Health Sciences
- EOH 710 - Fundamentals of Public Health
- HCA 701 - U.S. Health Care System: Programs and Policies
- HCA 703 - Management of Health Service Organizations and Systems
- HCA 715 - Health Services Research Methods
- HCA 716 - Health Care Accounting and Finance
- HCA 717 - Human Resources Management of Health Care Organizations
- HCA 718 - Health Care Economics
- HCA 719 - Operations and Quality Management of Health Services
- HCA 720 - Information Systems in Health Services Management
- HCA 721 - Advanced Health Care Finance
- HCA 730 - Strategic Management of Health Services
- HCA 761 - Health Care Law and Ethics for Managers
- HCA 793 - Internship in Health Care Administration

Thesis – Credits: 6

- HCA 799 - Thesis Research

Degree Requirements

1. Completion of a minimum of 48 credit hours with a minimum GPA of 3.00.
2. In consultation with his/her advisor, a student will organize a thesis committee of at least three departmental members. In addition, a fourth member from outside the department, known as the Graduate College Representative, must be appointed. An additional committee member may be added at the student and department's discretion. Please see Graduate College policy for committee appointment guidelines.

Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
2. The student must submit and successfully defend his/her thesis by the posted deadline. The defense must be advertised and is open to the public.
3. Students must submit his/her approved, properly formatted thesis to the Graduate College, and submit the approved electronic version to ProQuest by the posted deadline.

4.

Subplan 2 Requirements: Capstone Track

Total Credits Required: 45

Course Requirements

Required Courses – Credits: 39

- EOH 710 - Fundamentals of Public Health
- HCA 701 - U.S. Health Care System: Programs and Policies
- HCA 702 - Epidemiology in Health Services Management
- HCA 703 - Management of Health Service Organizations and Systems
- HCA 716 - Health Care Accounting and Finance
- HCA 717 - Human Resources Management of Health Care Organizations
- HCA 718 - Health Care Economics
- HCA 719 - Operations and Quality Management of Health Services
- HCA 720 - Information Systems in Health Services Management
- HCA 721 - Advanced Health Care Finance
- HCA 730 - Strategic Management of Health Services
- HCA 761 - Health Care Law and Ethics for Managers
- HCA 793 - Internship in Health Care Administration

Elective Course – Credits: 3

Choose one of the following courses:

- HCA 631 - Quality Management in Health Services Organizations
- HCA 652 - Health Politics and Policy
- HCA 680 - Organization and Management of Long-Term Care Services
- HCA 715 - Health Services Research Methods

- EAB 703 - Biostatistical Methods for the Health Sciences

Capstone Course – Credits: 3

- HCA779-HealthCareAdministrationCapstoneCourse
**Students that choose the Capstone Course requirement do not have to complete the Appointment of Advisory Committee Approval Form and the Culminating Experience Form.

Degree Requirements

Completion of a minimum of 45 credit hours with a minimum GPA of 3.00.

Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
2. The student must successfully complete the capstone course. Students do not need to complete advisor or culminating experience forms.

Subplan 3 Requirements: Professional Paper Track

Total Credits Required: 45

Course Requirements

Required Courses – Credits: 39

- EOH 710 - Fundamentals of Public Health
- HCA 701 - U.S. Health Care System: Programs and Policies
- HCA 703 - Management of Health Service Organizations and Systems
- HCA 715 - Health Services Research Methods
- HCA 716 - Health Care Accounting and Finance
- HCA 717 - Human Resources Management of Health Care Organizations
- HCA 718 - Health Care Economics
- HCA 719 - Operations and Quality Management of Health Services
- HCA 720 - Information Systems in Health Services Management
- HCA 721 - Advanced Health Care Finance
- HCA 730 - Strategic Management of Health Services
- HCA 761 - Health Care Law and Ethics for Managers
- HCA 793 - Internship in Health Care Administration

Elective Course - Credits: 3

- EAB 703 - Biostatistical Methods for the Health Sciences
- HCA 702 - Epidemiology in Health Services Management

Professional Paper – Credits: 3

- HCA 794 - Professional Paper in Health Care Administration

Degree Requirements

1. Completion of a minimum of 45 credit hours with a minimum GPA of 3.00.
2. In consultation with his/her advisor, a student will organize a thesis committee of at least three departmental members. In addition, a fourth member from outside the department, known as the Graduate College Representative, must be appointed. An additional committee member may be added at the student and department's discretion. Please see Graduate College policy for committee appointment guidelines.

Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
2. Successfully complete and defend his/her professional paper by the posted deadline. The defense must be advertised and is open to the public.

Plan Graduation Requirements

Refer to your subplan for Graduation Requirements.

Health Care Administration and Policy Courses

EMHA 701 - Survey of U.S. Health Care System: Programs, Policies and Politics Credits 3

Examines the manpower, financing and major service components of the US health care system. Addresses major issues of health care access, costs, and quality of care. Special emphasis on the role of government regulation and public policy in the system. Prerequisites: Graduate standing or IBS major.

EMHA 702 - Epidemiology in Health Services Management Credits 3

Examination and synthesis of concepts and an application of methods appropriate to epidemiology from a managerial perspective.

EMHA 703 - Management of Health Services Organizations and Systems Credits 3

Theories and practice of the management of health services. Analysis and evaluation of the management functions and roles, organizational theories and behavioral perspectives and health care policy issues as they apply to health services management.

EMHA 710 - Public Health Fundamentals for Health Care Leaders Credits 3

Apply public health concepts and practice to health care administration. Provides a broad overview of the field of public health including the core areas of epidemiology and biostatistics, health promotion, environmental health, and health care administration. Addresses the importance of public health to health care delivery systems. Grading Letter grade

EMHA 716 - Health Care Financial Management / Health Care Accounting Credits 3

Introduction to financial and managerial accounting in the context of the health care industry. Also introduces concepts from finance for use in the decision making process.

EMHA 717 - Human Resources Management of Health Care Organizations Credits 3

Covers structural and behavioral systems and human resources process systems. Taught from the perspective of strategic management and in the context of the legal environment for health care organizations.

EMHA 718 - Health Care Economics Credits 3

Application of economic theory to study of health markets and institutions. Impact of insurance on demand for and supply of health care analyzed. Competition and regulation as forces in health care industry discussed from an economic perspective.

EMHA 719 - Operations and Quality Management of Health Services Credits 3

Introduces concepts of operations management in the context of the health care industry. Covers analytical techniques in the context of quality management. Prerequisites: Graduate standing.

EMHA 720 - Information Systems in Health Services Management Credits 3

Understanding of computerized needs of health services managers. Examines decision making process, information needs of various decisions and how "decision support systems" meet these needs. Major types of information systems examined, include financial, patient care & strategic management systems.

EMHA 721 - Advanced Health Care Finance Credits 3

Further study of financial management in the context of the health care industry. Prerequisites: EMHA 716

EMHA 730 - Strategic Management of Health Services Credits 3

Emphasis on concepts of strategic and operational management for health care organizations. Also covers managerial epidemiology and marketing. Utilizes case studies.

EMHA 761 - Health Care Law and Ethics for Managers Credits 3

Course examines legal and ethical issues that impact health care management. Topics include: liability, contract and antitrust law; employee and labor law, professional relations, and ethical issues regarding; beginning and end of life, patient rights, medical research, access to care; conflict of interest, and confidentiality.

EMHA 778 - Special Topics in Healthcare Leadership Credits 1

Assess individual leadership traits of self and others, and practice the skills of effective leadership. Evaluate the ability to manage in a changing health care environment. Consideration of ethical principles and practices and how those practices are used by leaders. Grading Letter grade

EMHA 779 - Health Care Administration Capstone Course
Credits 3

Capstone experience provides the Health Care Administration graduate degree candidate the option to select one of the following: an indepth project or a comprehensive examination. Grading S/F grading only Prerequisites: Consent of instructor.

HCA 631 - Quality Management in Health Services Organizations
Credits 3

Quality outcome measurement in healthcare and the patient experience influences reporting and reimbursement. Focus on quality metric measurement, analyzing, managing and improving population health outcomes. Prerequisites: HCA 701

HCA 652 - Health Politics and Policy
Credits 3

Role of politics and policy-making as an external environmental impact on health care. Describes the political process in health care policy-making at all government levels. Interest group politics introduced in the context of the roles that these groups play in health care policy development and how these forces and health care organizations react to shape health care policy. Prerequisites: HIST 100, PSC 100, or PSC 101. 3 credits.

HCA 680 - Organization and Management of Long-Term Care Services
Credits 3

Examination of health and social services for the elderly with emphasis on structure and function of the long-term care industry. Focuses on management of nursing home services. Includes analysis of reimbursement, regulatory, and other social, economic, political and legal factors affecting health and social services for the elderly. Notes: This course is crosslisted with HCA 480. Credit at the 600-level requires additional work.

HCA 700 - Fundamentals of Health Care Financial Management
Credits 3

Exploration of accounting and financial management principles and concepts for decision-making in health care organizations. Grading Letter Grade

HCA 701 - U.S. Health Care System: Programs and Policies
Credits 3

Examines the manpower, financing and major service components of the US health care system. Addresses major issues of health care access, costs, and quality of care. Special emphasis on the role of government regulation and public policy in the system. Prerequisites: Graduate standing.

HCA 702 - Epidemiology in Health Services Management
Credits 3

Examination and synthesis of concepts and an application of methods appropriate to epidemiology from a managerial perspective.

HCA 703 - Management of Health Service Organizations and Systems
Credits 3

Theories and practice of the management of health services. Analysis and evaluation of the management functions and roles, organizational theories and behavioral perspectives and health care policy issues as they apply to health services management.

HCA 715 - Health Services Research Methods
Credits 3

Course examines health services research concepts and methods. Topics include: health services research relevance; research study conceptualization; research design, operationalization and analysis; and the review of the health services research literature. Emphasis on research relevant to the practice of health care management. Prerequisites: EAB 703

HCA 716 - Health Care Accounting and Finance
Credits 3

Introduction to financial and managerial accounting in the context of the health care industry. Also introduces concepts from finance for use in the decision making process. Prerequisites: ACC 201 or equivalent, 3 hours of undergraduate accounting.

HCA 717 - Human Resources Management of Health Care Organizations
Credits 3

Covers structural and behavioral systems and human resources process systems. Taught from the perspective of strategic management and in the context of the legal environment for health care organizations.

HCA 718 - Health Care Economics
Credits 3

Application of economic theory to study of health markets and institutions. Impact of insurance on demand for and supply of health care analyzed. Competition and regulation as forces in health care industry discussed from an economic perspective. Prerequisites: ECON 102 or equivalent, 3 hours of undergraduate microeconomics.

HCA 719 - Operations and Quality Management of Health Services
Credits 3

Introduces concepts of operations management in the context of the health care industry. Covers analytical techniques in the context of quality management. Prerequisites: Graduate standing.

HCA 720 - Information Systems in Health Services Management
Credits 3

Understanding of computerized needs of health services managers. Examines decision making process, information needs of various decisions and how "decision support systems" meet these needs. Major types of information systems examined, include financial, patient care & strategic management systems.

HCA 721 - Advanced Health Care Finance
Credits 3

Further study of financial management in the context of the health care industry. Prerequisites: HCA 716 or equivalent.

HCA 730 - Strategic Management of Health Services
Credits 3

Emphasis on concepts of strategic and operational management for health care organizations. Also covers managerial epidemiology and marketing. Utilizes case studies. Prerequisites: HCA 716

HCA 761 - Health Care Law and Ethics for Managers
Credits 3

Course examines legal and ethical issues that impact health care management. Topics include: liability, contract and antitrust law; employee and labor law, professional relations, and ethical issues regarding; beginning and end of life, patient rights, medical research, access to care; conflict of interest, and confidentiality.

HCA 779 - Health Care Administration Capstone Course
Credits 3

Capstone experience provides the Health Care Administration graduate degree candidate the option to select one of the following: an indepth project or a comprehensive examination. Same as HED 710/EAB 710/EOH 710 Notes: The project option requires a formal paper and a presentation. Prerequisites: HCA 793 and last semester in program or consent of instructor.

HCA 791 - Policy Analysis of Health Care Delivery and Financing
Credits 3

Review and examination of selected research topics related to the delivery and financing of the U.S. health care system. Determine effective policy assessment for health care components. Prerequisites: Admission to Doctor of Philosophy - Public Health program. HCA 701 or equivalent

HCA 793 - Internship in Health Care Administration**Credits 3 – 6**

Provides students with an applied work experience in a local health services organization. Course is faculty supervised and requires written reports and other structured assignments. Formerly HCA 713 Notes: May be repeated to a maximum of six credits. Prerequisites: Consent of instructor.

HCA 794 - Professional Paper in Health Care Administration**Credits 3**

Provides the opportunity for a graduate degree candidate to be involved in an in-depth project either written or experimental in nature. A formal paper and presentation describing the project culminate this experience. Notes: May be repeated for a maximum of six credits. Grading S/U grading only Prerequisites: Department approval.

HCA 798 - Independent Study**Credits 1 – 3**

Independent study in a specific area of student interest under the direction of a faculty member. Notes: May be repeated to a maximum of six credits. Grading S/F grading only. Prerequisites: Consent of instructor.

HCA 799 - Thesis Research**Credits 3**

Notes: May be repeated, but a maximum of six credits will apply towards the student's degree program. Grading S/F grading only. Prerequisites: Consent of HCA& P Department Chair, graduate courses in research methodology and in statistics.

School of Dental Medicine

The UNLV School of Dental Medicine (SDM), which accepted its inaugural class in August of 2002, has been designed to serve our local community and the state of Nevada in oral health care, health services, research and scholarly activities. This program awards a Doctor of Dental Medicine (D.M.D.). The UNLV SDM education program is a four year academic program consisting of eleven (11) full semesters, and approximately 5,000 contact hours. In 2017, SDM began accepting students in the program for graduates of non-U.S. accredited dental schools with an award of Doctor of Dental Surgery (D.D.S.) degree. This degree is a two-year (6-semester) advanced standing program for dentists who graduated from non-U.S. accredited dental schools. It enables dentists who were trained in non-U.S. accredited institutions to gain the skills and knowledge necessary to practice in the United States. Education of dental students will be accomplished through a competency based curriculum with a special emphasis on biomedical sciences, professional studies and an innovative vertically integrated team approach for clinical instruction and delivery of patient care. The School of Dental Medicine is recruiting and employing a diverse and distinguished faculty to facilitate the program. The competency-based education program has at its core a student and patient centered environment designed to maximize learning and patient care delivery. Beginning dentists will be exposed to in-depth studies of biological and clinical sciences as well as biomedical and bio-ethical disciplines. Students will encounter a broad spectrum of clinical experiences to prepare them for entry into the profession. These experiences will begin in year one of the curriculum, and clinical responsibilities will expand in scope and depth throughout the four years. During year four, students will have the opportunity to select placement in a variety of clinically supervised community settings. They will also have extensive exposure to business and financial management designed to meet the challenges of dental practice. Furthermore, they will be introduced to principles of research, will have an opportunity to conduct independent research and will be encouraged to pursue scholarly activities with the possibility of creating a career in academic dentistry. Training will occur in state of the art facilities designed to achieve the goals of the dental academic program. Today's dental professional needs a learning environment that offers interaction with other medical professionals and facilitates diagnosis and treatment to improve the patient's overall health. The dental school is adopting this new reality and keeping it at the forefront as it designs the teaching facility at the UNLV Shadow Lane campus. The building is part of a regional campus that is expected to house the UNLV Academic Health Center, the UNLV School of Medicine, School of Nursing, and other UNLV Health Professions. Students will have access to the latest technology with other health care professionals in diagnosing disease and treating patients. By the time of graduation, students will be competent and confident to begin a rewarding career as a provider of comprehensive oral health care.

Lily T. Garcia, Ph.D., Dean, School of Dental Medicine

Marcia M. Ditmyer, Ph.D., MBA, M.S., Associate Dean for Academic Affairs, Assessment, and Instruction

Christine C. Ancajas, D.D.S., Associate Dean of Admissions and Student Affairs

Christopher Kypuros, Ph.D., Director of Financial Aid & Scholarship and Academic Endeavors

Ronald R. Lemon, D.M.D., Associate Dean, Advanced Education

Jeffrey Ebersole, Ph.D., Associate Dean for Research

David Cappelli, D.M.D, Ph.D., Chair of Biomedical Sciences

Sophia Saeed, D.M.D., Chair of Clinical Sciences

Rick B. Thiriot, D.D.S., Associate Dean for Clinical Services

Robin Reinke, D.D.S. Assistant Dean for Clinical Services

James Mah, DMSc, Program Director, Director of Advanced Education Program in Orthodontics and Graduate Co-coordinator

Bryan Chrzan, Ph.D., Graduate Co-coordinator

Karl Kingsley, Ph.D., Student Research Coordinator

School of Dental Medicine Faculty

Dean

West, Karen - Full Graduate Faculty

Professor; D.M.D., University of Louisville
School of Dentistry; M.P.H., University of
South Carolina School of Public Health.

Executive Associate Dean

Davenport Jr., William - Full Graduate Faculty

Executive Associate Dean & Professor; B.S.,
University of Mississippi; M.S., University of
Mississippi; Ph.D., Medical College of Georgia.

Associate Dean for Academic Affairs, Assessment, and Instruction

Ditmyer, Marcia - Full Graduate Faculty

Associate Professor-in-Residence; BS: 1977: Wayne
State University, Detroit, MI; MBA: 1988: Central
Michigan University, Mt. Pleasant, MI; MS: 1993:
California College for Health Sciences, San Diego,
CA; Ph.D.: 2002: University of Toledo, Toledo, OH

Associate Dean, Advanced Education

Lemon, Ronald - Full Graduate Faculty

Professor; D.M.D., University of Kentucky,
School of Dental Medicine.

Director of Advanced Education Program in Orthodontics

Mah, James - Full Graduate Faculty

Professor-in-Residence; B.S., University of
Alberta, Edmonton; D.D.S., University of
Alberta, Edmonton; M.S., University of Alberta,
Edmonton; DMSc., Harvard University.

Director of Advanced Education Program in Pediatrics**Hughes, Cody** - Full Graduate Faculty

Associate Professor-in-Residence and Director of Advanced Education Program in Pediatric Dentistry; D.M.D., University of Nevada, Las Vegas, School of Dental Medicine; M.S., Indiana University; Certificate in Pediatric Dentistry, University of Nevada, Las Vegas School of Dental Medicine.

Director of Advanced Education Program in General Practice Residency**McAlpine, George**

Associate Professor; B.A., University of Illinois; D.D.S., Loyola University; M.S., University of Texas, Health Sciences Center, Dental Branch and Wilford-Hall medical Center.

Chair, Department of Clinical Sciences**Saeed, Sophia**

Chair and Professor in Residence for Clinical Sciences

Chair, Department of Biomedical Sciences**Cappelli, David**

Professor; B.S., University of Pittsburgh, Pittsburgh, PA; M.P.H., University of Pittsburgh, Pittsburgh, PA; D.M.D., University of Pittsburgh, Pittsburgh, PA; Certificate Dental Public Health, University of Texas Health Sciences Center, San Antonio, TX; Ph.D., University of Texas Health Sciences Center, Houston, TX;

Associate Dean for Clinical Services**Thriot, Rick**

Assistant Professor-in-Residence; B.S., University of Nevada, Las Vegas; D.D.S., University of the Pacific School of Dentistry.

Assistant Dean for Clinical Services**Reinke, Robin**

Associate Professor-in-Residence; B.S., University of Puget Sound; D.D.S., University of Washington School of Dentistry; M.P.A., Keller Business School of Management of Devry University.

Associate Dean for Admissions and Student Affairs**Ancajas, Christine** - Assistant Graduate Faculty

B.A., California State University; D.D.S., Northwestern University Dental School.

Assistant Dean for Student Services**Everett, Rhonda** - Full Graduate Faculty

Professor-in-Residence; B.A., University of California; D.D.S., University of Southern California, School of Dentistry; M.P.H., University of Nevada, Las Vegas.

Senior Executive Director of Professionalism, Inclusion, and Student Finance

Kypuros, Christopher

B.A., University of Nevada, Las Vegas; M.A., St. Mary's University, Ph.D., University of Nevada, Las Vegas.

Assistant Dean for Outreach and Engagement**Skelton, Judith** - Full Graduate Faculty

Professor; B.S., University of Louisville; M.E.D., University of Florida; Ph.D., University of Florida.

Associate Dean for Research**Ebersole, Jeffrey**

Professor; B.A Temple University, Ph.D., University of Pittsburg.

Graduate Faculty**Abbatangelo, Tina**

Visiting Assistant Professor and Director of SDM on Main Campus Clinic; B.S., University of Nevada, Las Vegas; D.D.S., University of Iowa College of Dentistry.

Al-Talib, Tanya

Associate Professor-in-Residence Clinical Sciences; D.D.S., Louisiana State University School of Dentistry; Certificate of Advanced Education General Dentistry, Louisiana State University School of Dentistry.; M.S., University of North Carolina School of Dentistry.; Certificate in Orthodontics, Chapel Hill School of Dentistry.

Baca, Kristen

Assistant Professor-in-Residence of Clinical Sciences; B.S., University of Nevada, Las Vegas; D.M.D., University of Nevada, Las Vegas.

Barborka, Benjamin

Assistant Professor-in-Residence, DDS: University of Nevada, Las Vegas; Certificate in Endodontics, Texas A&M College of Dentistry.

Braun, Gary

Visiting Associate Professor-in-Residence, General Practice Residency Program; A.A., Wesley College; B.A., Drew University; D.M.D, University of Pennsylvania School of Dental Medicine; M.S. University of Texas.

Britton, Fiona

Visiting Associate Professor and Vice Chair of Biomedical Sciences
BSc, Ulster University, Northern Ireland; PhD, Ulster University, Northern Ireland

Capurro, Antonina

Visiting Assistant Professor and State Dental Director; B.S., University of Nevada, Las Vegas; D.M.D., University of Nevada, Las Vegas; M.P.H., University of Nevada, Las Vegas; M.B.A., University of Nevada, Las Vegas.

Chrzan, Brian

Associate Professor; B.S., Utica College of Syracuse University; D.D.S, School of Dental Medicine State University of New York at Buffalo; Ph.D., School of Dental Medicine State University of New York at Buffalo.

Chung, Eve

Visiting Assistant Professor; B.S., University of Nevada, Reno; D.M.D., University of Nevada, Las Vegas.

Danforth, Robert

Professor-in-Residence; D.D.S., Loma Linda University.

Davis, Kerry

Visiting Associate Professor; BS, Brigham Young University, Provo UT; DDS
University of the Pacific School of Dentistry, San Francisco

Demopoulos, Christina

Associate Professor; Diplomate-American Board of Dental Public Health; B.S., University of Nevada, Las Vegas; D.D.S., University of Southern California School of Dentistry; M.P.H., University of Nevada, Las Vegas.

Dounis, Georgia

Professor of Clinical Sciences; D.D.S., Marquette University, School of Dentistry; M.S., Marquette University School of Dentistry.

Farfel, Elena

Assistant Professor in Residence of Clinical Sciences; B.A., University of Colorado; D.M.D., University of Nevada, Las Vegas; Fellowship, International Academy for Dental-Facial Esthetics.

Faulkner, Davin

Assistant Professor-in-Residence; B.S., Brigham Young University; D.M.D., University of Nevada, Las Vegas.

Fox, Gerald

Visiting Assistant Professor; B.S., Brooklyn College; D.D.S., Temple University School of Dentistry.

Gallob, John

Associate Professor-in-Residence; B.S., University of Arizona-Tucson; D.D.S., Nova Southeastern University.

Gewelber, Civon

Assistant Professor-in-Residence; B.A., Fordham University; D.M.D., University of the Pacific School of Dentistry.

Hamilton, Richard

Visiting Assistant Professor; M.S. The Ohio State University; D.D.S. College of Dentistry, The Ohio State University.

Haskin, Christine

Professor in Residence; B.A., University of Texas at Austin; M.S., Southwest Texas State University; D.D.S., University of Texas; Ph.D., University of Texas.

Hassan, Neamat

Visiting Associate Professor; B.D.S., Mansoura University, Egypt; D.S.S., University of Vienna, Austria; MDS, Dundee University, Scotland, UK; Ph.D., Niigata University, Japan.

Hatley, Charles

Visiting Associate Professor; B.A. Eastern Kentucky University; Richmond, KY; D.M.D., University of Kentucky College of Dentistry, Lexington, KY; Advanced Education Program in Prosthodontics, Fort Gordon, GA.

Herschaft, Edward - Full Graduate Faculty

Professor; B.A., Queens College of the City University of New York; D.D.S., West Virginia University School of Dentistry; M.A., University of New Orleans.

Hillyard, Stanley - Full Graduate Faculty

Professor; B.A., University of California, Riverside; Ph.D., University of California, Los Angeles.

Howard, Katherine - Full Graduate Faculty

Associate Professor; B.Sc., Texas A & M University, Galveston; Ph.D., University of Texas, Austin.

Hurlbut, Bernard - Full Graduate Faculty

Associate Professor-in-Residence; B.A., Arizona State University; D.D.S., Baylor College of Dentistry.

Ingel, Andrew

Visiting Assistant Professor-in-Residence and Director of Continuing Education; B.S., Villanova University; M.S., Bryn Mawr College; D.M.D., University of Pittsburgh School of Dental Medicine.

Jones, Francis

Associate Professor-in-Residence; B.A., California State University; D.D.S., Meharry Medical College; M.B.A., California State University

Joyner-Tucker, Arlene

Associate Professor-in-Residence; B.S., North Carolina University; D.D.S., Howard University College of Dentistry; M.P.H., University of California, Los Angeles.

Kingsley, Karl - Full Graduate Faculty

Professor; B.A., New Mexico State University; B.B.A., New Mexico State University; Ph.D., University of Nevada, Las Vegas; M.P.H., University of Nevada, Las Vegas.

Laux, Ronald

Visiting Assistant Professor-in-Residence; B.A., Canisius College, Buffalo NY; D.D.S. Marquette University, Milwaukee, WI.

Leavitt, William

Associate Professor-in-Residence; B.A., Brigham Young University; M.P.A., University of Southern California; D.D.S., University of the Pacific.

Lynch, Edward

Visiting Professor; B.A. and B.DentSc, Trinity College, Dublin; Dental Surgery Fellowship, Royal College of Surgeons, Edinburgh; M.A. Trinity College, Dublin; Ph.D. University of London; Fellowship, International Academy for DentoFacial Esthetics; Fellowship American Society for Dental Aesthetics.

Martin, Bob - Assistant Graduate Faculty

Visiting Professor of Orthodontics; B.S., Bridgewater College; D.D.S., Medical College of Virginia.

Morgenstern, Jay

Visiting Assistant Professor for Clinical Sciences; BS: 1980: Stony Brook University, Stony Brook, NY, DMD: 1983: Tufts University, Boston MA

Nelson, Stanley

Professor; B.S., Albion College; D.D.S., University of Michigan School of Dentistry; M.S., University of Michigan School of Dentistry.

Neubauer, Michael

Associate Professor-in-Residence; B.S., University of California; D.D.S., University of California; M.S., University of Iowa.

Nguyen, Linh

Visiting Assistant Professor; M.S. of Public Health, University of Minnesota Twin Cities; Ph.D., University of Nevada, Las Vegas.

Ord, David

Assistant Professor-in-Residence; B.S., Brigham Young University; D.D.S., University of Southern California.

Orr II, Daniel

Professor-in-Residence and Maxillofacial Surgery; B.S., Brigham Young University; D.D.S., University of Southern California School of Dentistry; M.S., University of Utah School of Medicine, Department of Anesthesiology; Ph.D., Columbia Pacific University; J.D., William Howard Taft University School of Law; M.D., University of Health Sciences, Antigua School of Medicine.

Phipps, Flora Monique

Associate Professor-in-Residence; B.S., Hampton University; D.D.S., Virginia Commonwealth University.

Polanski, Joshua

Assistant Professor-in-Residence; B.A., Washington University in St. Louis; M.A., University of Iowa, Ph.D., University of Iowa.

Raz, Galya

Visiting Assistant Professor; B.S., Biological Sciences, University of California, Davis; D.M.D. University of Nevada, Las Vegas; M.S. and Certificate in Periodontics, University of California, Los Angeles.

Richert, Jordan

Assistant Professor in Residence Clinical Sciences; BS: 2006: Arizona State University, MPH with Dental Emphasis: 2012: Arizona State University, DMD: 2013: A.T. Still University, School of Health Management, MS: 2016: A.T. Still University, Arizona School of Dentistry & Oral Health, Certificate in Periodontics: 2016: Texas A&M University, Baylor College of Dentistry

Rohani, Mahzarine

Assistant Professor in Residence

Rosenbaum, George

Visiting Assistant Professor; BS: 1972: University of Nevada, Las Vegas, DDS: 1976: Loyola School of Dentistry, Maywood, Illinois

Rothbart, Jonathan

Associate Professor-in-Residence; A.B.,
Brandeis University; D.M.D., Boston University
Goldman School of Graduate Dentistry.

Sanders IV, Owen

Associate Professor-in-Residence; B.S., Brigham
Young University, D.M.D., Temple University.

Sanders, R. Michael

Professor and Interim Director Faculty Practice;
D.M.D., College of Medicine and Dentistry;
Ed.M., Rutgers University; M.P.H., Robert
Woods Johnson Medical School.

Schoen, Richard

Visiting Assistant Professor of Clinical Sciences;
BA: 1967: University of California, Los Angeles,
DDS: 1971: Loyola University, Chicago, IL

Seran, Clifford - Full Graduate Faculty

S., Bucknell University; D.M.D.,
University of Pennsylvania.

Schoen, Richard

Visiting Assistant Professor; B.A., University of
California, Los Angeles; D.D.S., Loyola University.

Shan, Allen

Visiting Assistant Professor; B.S., University of
Nevada, Reno; D.M.D., University of Nevada, Reno.

Thompson, Valerie

Assistant Professor; B.A., California Lutheran
University, Thousand Oaks, CA; D.M.D.,
University of Nevada, Las Vegas.

Webberson, Michael

Assistant Professor-in-Residence; B.S.,
University of Nevada, Las Vegas; D.D.S.,
Creighton University School of Dentistry.

Woo, Victoria

Professor-in-Residence; D.D.S.,
University of Western Ontario.

Zhou, Wenlian

Associate Professor; D.D.S., Beijing Medical University
School of Stomatology General Dentistry; Ph.D., Peking
University Health Science Center, School of Stomatology
Orthodontics; D.M.D., University of Nevada, Las Vegas,
School of Dental Medicine; M.P.H. University of Nevada,
Las Vegas School of Community Health Services.

Ziada, Hassan

Visiting Associate Professor for Clinical Science

Plans

Master of Science - Oral Biology

Doctor of Philosophy - Oral Biology

Master Public Health - Dental Fast Tracks (see Public
Health programs)

Dual Degree: Master of Business Administration &
Doctor of Dental Medicine (see Business Administration
Programs)

Doctor of Dental Medicine (This program is accredited
by: CODA. More information can be found at: [unlv.edu/
provost/vpaa/accreditation](https://www.unlv.edu/provost/vpaa/accreditation)) (see: [https://www.unlv.edu/
dental/academic-programs](https://www.unlv.edu/dental/academic-programs))

Doctor of Dental Surgery (see: [https://www.unlv.edu/
dental/academic-programs](https://www.unlv.edu/dental/academic-programs))

Certificate in General Practice Residency (see: [https://
www.unlv.edu/dental/academic-programs](https://www.unlv.edu/dental/academic-programs))

Master of Science - Oral Biology*Plan Description*

The future of oral health medicine is dependent upon significant orthodontic and craniofacial research. Masters of Science – Oral Biology emphasizes orthodontic and craniofacial research and aims to aid developing orthodontic residents in becoming successful researchers, educators and/or clinicians. It does this by providing a diverse clinical experience with a strong integration of basic sciences. This program will equip residents with the clinical, the analytical and the managerial skills that are necessary to provide oral healthcare to the community.

For more information about your program, including your graduate program handbook and learning outcomes please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

In addition to being accepted to the UNLV Graduate College, prospective students must meet the following criteria.

1. Must have passed Parts I and II, National Dental Board Examination.
2. Must have earned a DMD/DDS degree from a program in the US or Canada that is fully accredited by the Commission on Dental Accreditation
3. Must be eligible for a Nevada state dental license and receive a full or limited dental license from the Nevada State Board of Dental Examiners prior to engaging in any clinical activity.
4. Application through the Postdoctoral Application Support Service (PASS) including specified letters of recommendations.
5. Background and criminal checks as required.
6. Medical history, immunizations and physicals as required.

All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

Total Credits Required: 147

Course Requirements

Required Courses – Credits: 141

- ORTH 8001 - Introduction to Orthodontics
- ORTH 8011 - Cephalometrics
- ORTH 8102 - Clinical Specialty Seminars I
- ORTH 8103 - Clinical Specialty Seminars II
- ORTH 8104 - Clinical Specialty Seminars III
- ORTH 8201 - Introduction to Clinic Orthodontics
- ORTH 8202 - Clinic Orthodontics
- ORTH 8203 - Clinic Orthodontics
- ORTH 8204 - Clinic Orthodontics
- ORTH 8205 - Clinic Orthodontics
- ORTH 8206 - Clinic Orthodontics
- ORTH 8207 - Clinic Orthodontics
- ORTH 8512 - Biomechanical Principles
- ORTH 8513 - Growth and Development
- ORTH 8518 - Orthodontic Materials
- ORTH 8602 - Diagnosis, Treatment Planning and Case Presentation
- ORTH 8603 - Diagnosis & Treatment Plan
- ORTH 8604 - Diagnosis & Treatment Plan
- ORTH 8605 - Diagnosis, Treatment Planning and Case Presentation
- ORTH 8606 - Diagnosis, Treatment Plan and Case Presentation
- ORTH 8607 - Diagnosis & Treatment Plan
- ORTH 8803 - Literature Review/Journal Club
- ORTH 8804 - Literature Review/Journal Club
- ORTH 8808 - Literature Review IV
- ORTH 8910 - Craniofacial Anomalies
- PGDE 8312 - Independent Research I
- PGDE 8313 - Independent Research II
- PGDE 8314 - Independent Research III
- PGDE 8315 - Independent Research III
- PGDE 8316 - Independent Research
- PGDE 8402 - Biomedical Sciences Core I
- PGDE 8403 - Biomedical Sciences Core II
- PGDE 8415 - Advanced Biomedical Sciences
- PGDE 8503 - Interdisciplinary Diagnosis and Treatment Planning
- PGDE 8516 - Adv Clin Sci: Radiology

- PGDE 8517 - TMD
- PGDE 8701 - PSC: Lit Review
- PGDE 8702 - Res Design
- PGDE 8703 - Research Methods II
- PGDE 8715 - PSC: Practice Management

Thesis – Credits: 6

- PGDE 8901 - Dissertation I

Degree Requirements

1. The Master of Science – Oral Biology program is designed to be a three year program (divided as follows: Year 1: 3 trimesters (summer, fall, spring); Year 2: 2 semesters (Fall July-Dec, and Spring Jan-June); and Year 3: fall semester).
2. The advanced program in Orthodontics and Dentofacial Orthopedics is accredited by the Commission on Dental Accreditation; as such graduates of UNLV School of Dental Medicine's Oral Biology program will also receive a certificate in Orthodontics and Dentofacial Orthopedics which is required for licensure.
3. In consultation with his/her advisor, a student will organize a thesis committee of at least three departmental members. In addition, a fourth member from outside the department, known as the Graduate College Representative, must be appointed. An additional committee member may be added at the student and department's discretion. Please see Graduate College policy for committee appointment guidelines.

Plan Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
2. A master's thesis, which carries six credits, is required for the Oral Biology M.S. It must conform to the guidelines set forth by the Graduate College in this catalog and in its Thesis and Dissertation Manual. The M.A. thesis should be an original contribution to academic knowledge. Thesis projects must be designed, developed, and written in close consultation with an appropriate thesis advisor and with the student's thesis committee.
3. The student must submit and successfully defend his/her thesis by the posted deadline. The defense must be advertised and is open to the public.

Doctor of Philosophy - Oral Biology

Plan Description

The UNLV School of Dental Medicine, Advanced Education in Orthodontics and Dentofacial Orthopedics offers a 60-month combined Doctorate Degree and Certificate residency program. The class size is 2 residents per year and begins in July of each year. The program is designed to offer a broad spectrum of didactic, clinical, research, and teaching experience in the field of orthodontics and dentofacial orthopedics. The emphasis of this program is the development of researchers that will further the scientific advancement in scholarly research, foster innovation and creativity, and support investigations that will further the understanding of clinical practice in oral health.

For more information about your program, including your graduate program handbook and learning outcomes, please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

In addition to being accepted to the UNLV Graduate College, prospective students must meet the following criteria.

1. Must have passed Parts I and II, National Dental Board Examination.
2. Must have earned a DMD/DDS degree from a program in the US or Canada that is fully accredited by the Commission on Dental Accreditation
3. Must be eligible for a Nevada state dental license and receive a full or limited dental license from the Nevada State Board of Dental Examiners prior to engaging in any clinical activity.
4. Application through the Postdoctoral Application Support Service (PASS) including specified letters of recommendations.
5. Background and criminal checks as required.
6. Medical history, immunizations and physicals as required.

All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

Total Credits Required: 182

Course Requirements

Fall Semester 1st Year Courses - Credits: 32

- ORTH 8001 - Introduction to Orthodontics
 - ORTH 8011 - Cephalometrics
 - ORTH 8201 - Introduction to Clinic Orthodontics
 - ORTH 8202 - Clinic Orthodontics
 - ORTH 8512 - Biomechanical Principles
 - ORTH 8602 - Diagnosis, Treatment Planning and Case Presentation
 - PGDE 8402 - Biomedical Sciences Core I
 - PGDE 8516 - Adv Clin Sci: Radiology
 - PGDE 8701 - PSC: Lit Review
- ### Spring Semester 1st Year Courses - Credits: 33
- ORTH 8102 - Clinical Specialty Seminars I
 - ORTH 8203 - Clinic Orthodontics
 - ORTH 8513 - Growth and Development
 - ORTH 8603 - Diagnosis & Treatment Plan
 - ORTH 8803 - Literature Review/Journal Club
 - PGDE 8312 - Independent Research I
 - PGDE 8403 - Biomedical Sciences Core II
 - PGDE 8503 - Interdisciplinary Diagnosis and Treatment Planning
 - PGDE 8517 - TMD
 - PGDE 8702 - Res Design
 - PGDE 8703 - Research Methods II
 - PGDE 8715 - PSC: Practice Management
- ### Summer Semester 1st Year Courses - Credits: 23
- ORTH 8204 - Clinic Orthodontics
 - ORTH 8515 - Orthognathic Surgery
 - ORTH 8518 - Orthodontic Materials
 - ORTH 8604 - Diagnosis & Treatment Plan
 - ORTH 8804 - Literature Review/Journal Club
 - ORTH 8910 - Craniofacial Anomalies
 - PGDE 8313 - Independent Research II
 - PGDE 8415 - Advanced Biomedical Sciences
- ### Fall Semester 2nd Year Courses - Credits: 17
- ORTH 8103 - Clinical Specialty Seminars II
 - ORTH 8205 - Clinic Orthodontics
 - ORTH 8605 - Diagnosis, Treatment Planning and Case Presentation
 - ORTH 8805 - Literature Review I

- PGDE 8314 - Independent Research III
- Spring Semester 2nd Year Courses - Credits: 22
- ORTH 8104 - Clinical Specialty Seminars III
 - ORTH 8206 - Clinic Orthodontics
 - ORTH 8606 - Diagnosis, Treatment Plan and Case Presentation
 - PGDE 8315 - Independent Research III
- Summer Semester 2nd Year Courses - Credits: 25
- ORTH 8207 - Clinic Orthodontics
 - ORTH 8607 - Diagnosis & Treatment Plan
 - PGDE 8316 - Independent Research
 - PGDE 8901 - Dissertation I
- Fall Semester 3rd Year Courses - Credits: 6
- ORTH 8208 – Clinic Orthodontics
 - PGDE 8317 – Independent Research VII
- Spring Semester 3rd Year Courses - Credits: 6
- ORTH 8208 – Clinic Orthodontics
 - PGDE 8318 – Independent Research VIII
- Summer Semester 3rd Year Courses - Credits: 6
- ORTH 8208 – Clinic Orthodontics
 - PGDE 8319 – Independent Research VIII
- Fall Semester 4th Year Courses - Credits: 2
- ORTH 8209 – Clinic Orthodontics
 - PGDE 8902 – Dissertation II
- Spring Semester 4th Year Courses - Credits: 2
- ORTH 8209 – Clinic Orthodontics
 - PGDE 8902 – Dissertation II
- Summer Semester 4th Year Courses - Credits: 2
- ORTH 8209 – Clinic Orthodontics
 - PGDE 8902 – Dissertation II
- Fall Semester 5th Year Courses - Credits: 2
- ORTH 8210 – Clinic Orthodontics
 - PGDE 8903 – Dissertation III
- Spring Semester 5th Year Courses - Credits: 2
- ORTH 8210 – Clinic Orthodontics
 - PGDE 8903 – Dissertation III
- Summer Semester 5th Year Courses - Credits: 2
- ORTH 8210 – Clinic Orthodontics
 - PGDE 8903 – Dissertation III

Degree Requirements

Students must complete all the courses, including clinical courses. In addition, students must develop, complete, and present a doctoral dissertation.

Plan Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
2. The student must submit and successfully defend his/her dissertation by the posted deadline. The defense must be advertised and is open to the public.
3. After the dissertation defense, the student must electronically submit a properly formatted pdf copy of their dissertation to the Graduate College for format check. Once the dissertation format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for dissertation defenses, format check submissions, and the final ProQuest submission can be found here.

School of Dental Medicine Courses

ORTH 8001 - Introduction to Orthodontics Credits 4
An introduction and overview of the specialty of orthodontics and dentofacial orthopedics to prepare the orthodontic resident for advanced education in this dental specialty.

ORTH 8011 - Cephalometrics Credits 2
To discuss the history, development and the use of cephalometrics in clinical orthodontic practice. This course will cover the basic principles of Cephalometric analysis and describe developing as well as established skeletal Class I, II & III discrepancies.

ORTH 8102 - Clinical Specialty Seminars I Credits 2
Clinical Specialty Seminars I

ORTH 8103 - Clinical Specialty Seminars II Credits 3
A continuation and progressing advanced level of the one-hour clinical seminars that will proceed all clinical sessions. The purpose of these seminars is for the faculty to preview the daily clinic schedule and prepare the residents for the procedures to be performed during that clinic session.

ORTH 8104 - Clinical Specialty Seminars III Credits 3
A continuation and progressing advanced level of the one-hour clinical seminars that will proceed all clinical sessions. The purpose of these seminars is for the faculty to preview the daily clinic schedule and prepare the residents for the procedures to be performed during that clinic session.

ORTH 8201 - Introduction to Clinic Orthodontics Credits 4

An introduction and overview of the three-hour clinical sessions during which the residents will screen, diagnose, treatment plan and treat and/or manage the orthodontic malocclusions of their patients, under the supervision of the attending orthodontic clinical faculty. Clinical attire, policies, procedures and professionalism will be discussed.

ORTH 8202 - Clinic Orthodontics Credits 6

A continuation and progressing advanced level of the three-hour clinical sessions during which the resident will screen, diagnose, treatment plan and treat and/or manage the orthodontic malocclusions of their patients, under the supervision of the attending orthodontic clinical faculty.

ORTH 8203 - Clinic Orthodontics Credits 6

A continuation and progressing advanced level of the three-hour clinical sessions during which the residents will screen, diagnose, treatment plan and treat and/or manage the orthodontic malocclusions of their patients under the supervision of the attending orthodontic clinical faculty.

ORTH 8204 - Clinic Orthodontics Credits 6

A continuation and progressing advanced level of the clinical sessions which provides the resident a more advanced level of material regarding orthodontic diagnosis, treatment planning and treatment. These clinical sessions are used to further evaluate residents diagnostic and treatment planning skills as well as their execution of the treatment plan. Progress is measured by interaction with attending faculty.

ORTH 8205 - Clinic Orthodontics Credits 6

A continuation and progressively-advanced level of three-hour clinical sessions during which the residents will screen, diagnose, treatment plan and treat and/or manage the orthodontic malocclusions of their patients under the supervision of the attending orthodontic clinical faculty.

ORTH 8206 - Clinic Orthodontics Credits 12

A continuation and progressively-advanced level of three-hour clinical sessions during which the residents will screen, diagnose, treatment plan and treat and/or manage the orthodontic malocclusions of their patients, under the supervision of the attending orthodontic clinical faculty.

ORTH 8207 - Clinic Orthodontics Credits 12

This course provides Orthodontics Residents a more advanced level of material regarding orthodontic diagnosis, treatment planning and treatment. Residents build on their previous knowledge and experience. Residents are taught various finishing techniques and how to choose the proper retention per individual cases. Actual progress is compared to pretreatment projections. If progress is not on schedule, causes and solutions are discussed and changes are implemented as needed. Residents must prepare ABO written presentations for their 6 finished cases. Grading S/F grading

ORTH 8208 - Clinic Orthodontics Credits 1

Advanced level of clinical education regarding orthodontic diagnosis, treatment planning and provision of treatment built on previous knowledge and experience. Various treatment techniques, pros and cons are discussed in developing treatment plans, options and prognosis. Progress schedule, causes and solutions are discussed and changes are implemented as needed. Grading S/F grading

ORTH 8209 - Clinic Orthodontics Credits 1

Advanced level of clinical education regarding orthodontic diagnosis, treatment planning and provision of treatment built on previous knowledge and experience. Various treatment techniques, pros and cons are discussed in developing treatment plans, options and prognosis. Progress schedule, causes and solutions are discussed and changes are implemented as

needed. Grading S/F grading

ORTH 8210 - Clinic Orthodontics Credits 1

Advanced level of clinical education regarding orthodontic diagnosis, treatment planning and provision of treatment built on previous knowledge and experience. Various treatment techniques, pros and cons are discussed in developing treatment plans, options and prognosis. Progress schedule, causes and solutions are discussed and changes are implemented as needed. Grading S/F grading

ORTH 8415 - Advanced Biomedical Sciences Credits 2

This advanced continuum provides an in-depth update in clinically related topics in growth and development, oral and maxillofacial pathology, oral medicine, and systemic diseases that affect the oral cavity. Prerequisites: ORTH 8414

ORTH 8512 - Biomechanical Principles Credits 2

The biomechanics course aims to teach the first year orthodontic residents basic principles of tooth movement. It will include definitions of force vectors, force application and various biological responses based on mechanical principles.

ORTH 8513 - Growth and Development Credits 2

GROWTH AND DEVELOPMENT Grading Letter grade

ORTH 8515 - Orthognathic Surgery Credits 2

Discussion of ethical issues and patient management as well as familiarize residents with clinical integration of dental specialties in preparation for the written QE board exams. Grading S/F

ORTH 8518 - Orthodontic Materials Credits 2

This course is comprised of seminar discussions of materials used in the practice of orthodontics. Students will demonstrate an understanding of: the characterization of contemporary materials, methods of testing, clinical use, and health and safety concerns with the use of common materials. This course will also provide the foundation for developing a research project involving orthodontic materials.

ORTH 8602 - Diagnosis, Treatment Planning and Case Presentation Credits 4

A comprehensive in depth study of orthodontic diagnosis, treatment planning and ABO case reports of patients treated by orthodontic residents in our clinic. This will be accomplished in a seminar format where residents will present their case reports to fellow residents and faculty.

ORTH 8603 - Diagnosis & Treatment Plan.... Credits 4

A comprehensive in depth study of orthodontic diagnosis, treatment planning and ABO case reports of patients treated by orthodontic residents in our clinic. This will be accomplished in a seminar format where residents will present their case reports to fellow residents and faculty

ORTH 8604 - Diagnosis & Treatment Plan.... Credits 4

A comprehensive in depth study of orthodontic diagnosis, treatment planning and ABO case reports of patients treated by orthodontic residents in our clinic. This will be accomplished in a seminar format where residents will present their case reports to fellow residents and faculty.

ORTH 8605 - Diagnosis, Treatment Planning and Case Presentation Credits 4

A comprehensive in depth study of orthodontic diagnosis, treatment planning and American Board of Orthodontics (ABO) case reports of patients treated by orthodontic residents in our clinic. This will be accomplished in a seminar format where residents will present their case reports to fellow residents and faculty, followed by a comprehensive discussion of every case.

ORTH 8606 - Diagnosis, Treatment Plan and Case Presentation Credits 8
DIAGNOSIS, TREATMENT PLAN AND CASE PRESENTATION

ORTH 8607 - Diagnosis & Treatment Plan... Credits 4
A comprehensive in depth study, diagnosis, treatment planning and ABO case reports of patients treated by orthodontic residents in our clinic. This will be accomplished in a seminar format where residents will present their case reports to fellow residents and faculty Notes: S/F grading

ORTH 8803 - Literature Review/Journal Club Credits 2
Introduction to analyzing and understanding literature in orthodontics, including classification of study designs, hypothesis testing, scientific writing, analysis and interpretation of data, and critical evaluation of the literature. Residents participate in critical review of research in orthodontics and craniofacial biology throughout their education and in preparation for the ABO examination.

ORTH 8804 - Literature Review/Journal Club Credits 2
A continuation and progressively advanced level of analyzing and understanding literature in orthodontics, including classification of study designs, hypothesis testing, scientific writing, analysis and interpretation of data, and critical evaluation of the literature. Residents participate in critical review of research in orthodontics and craniofacial biology throughout their education and in preparation for the American Board of Orthodontics certification examination.

ORTH 8805 - Literature Review Credits 2
LITERATURE REVIEW/JOURNAL CLUB Grading S/F

ORTH 8808 - Literature Review IV Credits 1
A continuation and progressively-advanced level of analyzing and understanding literature in orthodontics including, classification of study design, hypothesis testing, scientific writing, analysis and interpretation of data, and critical evaluation of the literature.

ORTH 8910 - Craniofacial Anomalies Credits 2
Introduce diagnostic and treatment planning principles of interdisciplinary team approach, as well as, provide a sound basis for clinical examination, diagnosis and team management of patients with severe malocclusion associated with birth defects and craniofacial anomalies.

PGDE 8312 - Independent Research I Credits 3

PGDE 8313 - Independent Research II Credits 3
A continuation and progressing advanced level of the research requirements, facilities and direction necessary for the orthodontic residents to successfully complete their advanced education in orthodontics and dentofacial orthopedics.

PGDE 8314 - Independent Research III Credits 3
Independent Research III

PGDE 8314 - Independent Research III Credits 1
Independent Research III Grading S/F

PGDE 8315 - Independent Research III Credits 3
This course continues with advanced levels of research and scientific methodology. Topics include literature analysis, institutional review board (IRB), informed consent, experimental design, basic statistics, method development, data analysis and reporting.

PGDE 8316 - Independent Research Credits 3
At the conclusion of this course, the Orthodontic Resident will be able to:

1. Understand the scientific method as it applies to critical review of the literature and research design
2. Understand literature search techniques and strategies as

well as the different levels of research publications ranging from opinions, case reports, blinded studies, prospective research, randomized controlled clinical studies to systematic reviews.

3. Complete an independent research project to include an abstract, proposal, data collection, analysis and write up for submission to an appropriate peer-reviewed scientific journal

4. Complete Master's Thesis

PGDE 8317 - Independent Research VI Credits 3
Scientific method applying to critical review of literature and research design. Literature search techniques and strategies related to research publications (opinions, case reports, studies, clinical studies, systematic reviews). Complete an independent research project including an abstract, proposal, data collection, analysis and write up for submission of a thesis. Notes: S/F grading

PGDE 8318 - Independent Research VII Credits 3
Scientific method applying to critical review of literature and research design. Literature search techniques and strategies related to research publications (opinions, case reports, studies, clinical studies, systematic reviews). Complete an independent research project including an abstract, proposal, data collection, analysis and write up for submission of a thesis. Grading S/F grading

PGDE 8319 - Independent Research VIII Credits 3
Scientific method applying to critical review of literature and research design. Literature search techniques and strategies related to research publications (opinions, case reports, studies, clinical studies, systematic reviews). Complete an independent research project including an abstract, proposal, data collection, analysis and write up for submission of a thesis. Grading S/F grading

PGDE 8402 - Biomedical Sciences Core I. Credits 4

PGDE 8403 - Biomedical Sciences Core II. Credits 4

PGDE 8415 - Advanced Biomedical Sciences Credits 2

PGDE 8503 - Interdisciplinary Diagnosis and Treatment Planning Credits 2
This course provides Graduate Residents a background in the current state of the art for the major clinical disciplines. The course is conducted as a literature review of current research with summary papers to be written in each of the topics.

PGDE 8516 - Adv Clin Sci: Radiology Credits 4
Provide residents with digital maxillofacial radiology procedures and protocols. Introduce residents to advanced maxillofacial radiology technology, i.e.; ConeBeam CT

PGDE 8517 - TMD Credits 2
This course reviews appropriate literature of stomatognathic function, diagnosis and treatment of TM Disorders. The student will review the multi-factorial theory of TM Disorders and will distinguish simple TM Disorders vs. complex TM Disorders. A plan for management of TM disorders within their clinical discipline will be developed.

PGDE 8701 - PSC: Lit Review Credits 2

PGDE 8702 - Res Design Credits 2

PGDE 8703 - Research Methods II Credits 2
This course will present relevant topics in the areas of practice management, ethics, nutrition and cultural diversity. The application of these topics to the practice of orthodontics will be emphasized.

PGDE 8704 - Research Design.....

Credits 2

Research fundamentals and practical component involving research of topics using methodologies in different laboratories. Rotation through different laboratories; conduct a short project; and submit an article for publication. Allows knowledge application of systematic literature review, organization, synthesis of information, hypothesis design, research methodology, data organization, statistical analysis and scientific writing. Grading S/F grading

PGDE 8715 - PSC: Practice Management..

Credits 2

PGDE 8900 - Thesis

Credits 6

Process of writing proposal and thesis, following guidelines and practices of scientific writing; idea organization and development; word choice; grammar; revisions to writing; attention by thesis committees; designed as seminar style with dialogue among students, instructor, and resource persons; preparations for in-class discussions and writing activities. Grading S/F grading

PGDE 8901 - Dissertation I

Credits 6

Process of writing proposal and dissertation, following guidelines and practices of scientific writing; idea organization and development; word choice; grammar; revisions to writing; attention by dissertation committees; designed as seminar style with dialogue among students, instructor, and resource persons; preparations for in-class discussions and writing activities.

PGDE 8902 - Dissertation II

Credits 1

Process of writing proposal and dissertation, following guidelines and practices of scientific writing; idea organization and development; word choice; grammar; revisions to writing; attention by dissertation committees; designed as seminar style with dialogue among students, instructor, and resource persons; preparations for in-class discussions and writing activities. Grading S/F grading

PGDE 8903 - Dissertation III

Credits 1

Process of writing proposal and dissertation, following guidelines and practices of scientific writing; idea organization and development; word choice; grammar; revisions to writing; attention by dissertation committees; designed as seminar style with dialogue among students, instructor, and resource persons; preparations for in-class discussions and writing activities. Grading S/F grading

School of Medicine

UNLV School of Medicine received preliminary accreditation in 2016. The school is a full-scale, four-year allopathic medical school that is an integral part of a vibrant, research-intensive public university. The medical school's mission is to improve access to high-quality health care in Southern Nevada by increasing the number of physicians and trained specialists who are committed to serving the region. One of the primary goals of UNLV School of Medicine is to provide diverse and medically underserved populations access to timely high quality health care. The accompanying academic health center will serve as the core infrastructure for the entire medical community and generate top-quality research that spans the basic and clinical sciences.

Our vision is to create a world-class center of excellence and innovation for medical education, patient care, and research that prepares Nevada's physicians with the most advanced knowledge, treatments, and technologies while serving the health care needs of our diverse urban community.

Dr. Marc J. Kahn, MD, MBA, MACP, FRCP, Dean

Neil Haycocks - Vice Dean, Academic Affairs and Education

Michael Gardner - Vice Dean, Clinical Affairs

Samuel Parrish - Senior Associate Dean, Student Affairs and Admissions

Parvesh Kumar - Vice Dean, Research (Acting)

Laura Culley - Associate Dean, Health Policy and Community Affairs

Joann Strobbe - Senior Associate Dean, Administration and Finance / Chief Financial Officer

Mario Gaspar De Alba - Associate Dean, Diversity and Inclusion

Kate Martin - Associate Dean, Graduate Medical Education (GME)

Mark Guadagnoli - Associate Dean, Faculty Affairs

John Fildes - Associate Dean, External Affairs

Ron Bates - Assistant Dean, Finance

Sara Hunt - Assistant Dean of Behavioral Health

Nora Doyle - Assistant Dean of Ultrasound Education

Johan Bester - Interim Assistant Dean of Biomedical Science Education

Deborah Kuhls - Interim Assistant Dean of Research

Corrin Sullivan - Assistant Dean, Curriculum

Programs

Couple and Family Therapy Program

Plans

Doctor of Medicine

Doctor of Medicine

This program is accredited by: LCME. More information can be found at: unlv.edu/provost/vpaa/accreditation

Plan Description

The mission of the UNLV School of Medicine is to prepare a diverse student body for the delivery of patient-centered care and meaningful careers in clinical practice, research, and community service. The program integrates foundational science and primary care clinical experiences with community-based service learning that addresses population health and social disparities, incorporates independent research projects that contribute to the growth of scientific knowledge and community health resources, and develops strong commitments to public service and lifelong learning. The curriculum is community-based, and includes instruction in biomedical ethics, ethical decision-making, patient safety, population health, as well as training in interprofessionalism, professionalism, cultural competence, bias recognition and reduction, and non-traditional medical needs; such as, hospitality, legal, and business facets of medicine.

The Doctor of Medicine (MD) program emphasizes the basics of medicine: communication, physical exam and diagnosis, clinical skills, advanced clinical reasoning and interpretation, professionalism, and ethics using technologically advanced tools and genomic data to foster medical student learning. Overall, the curriculum is community-focused, but places great importance on relationships through faculty to student mentorship, extensive experience with health care professionals in the delivery of primary care and longitudinal patient-centered care, in addition to immersion in community service projects and initiatives. Students will directly apply their learning in the service of others, providing compassionate care in collaboration with many other health professionals including: physicians, nurses, nurse practitioners, dentists, physical therapists, social workers, occupational therapists, and other community practitioners in the pursuit of providing the best patient outcomes and satisfaction.

Plan Admission Requirements

1. A regionally accredited, conferred Bachelor's degree is required for admission to the UNLV School of Medicine.

Required prerequisite courses are:

- Biology: three semesters; one course must include a lab
- Biochemistry: one semester
- Behavioral Science/Psychology or Sociology: one semester

Students cannot use "Advanced Placement" credits

or online courses to satisfy the required prerequisite coursework. Prerequisites cannot be more than 10 years old.

Other recommended courses for student success include: Genetics, Immunology, Molecular Biology, Physiology and Statistics. A basic understanding of the concepts taught in these courses is helpful to students seeking a M.D. degree.

1. MCAT: Applicants must submit a Medical College Admissions Test (MCAT) score by the final application deadline. Only the new MCAT scores will be accepted (<https://students-residents.aamc.org/video/new-mcat-exam/>). The most recent exam score will be used during the admissions process.
2. Metric Requirements:
 - A minimum score of 499 on the MCAT. The MCAT score cannot be more than 3 years old.
 - An undergraduate cumulative GPA of 3.2 is required, along with a BCPM GPA of 3.2.
3. AMCAS Application: UNLV School of Medicine will only accept applications via AMCAS.
4. Secondary Application: The secondary application will be completed online. Selected applicants will be invited to complete the secondary. There is a \$75 application fee. Students who qualify for the AMCAS fee assistance program will not be required to pay the \$75 fee.
5. Applicant Photographs: Each applicant must submit a professional photograph (head shot only) with his/her secondary application. The photo will be used during the "Interview Day" and by the Admissions Committee.
6. Letters of Recommendation/Evaluation: Applicants are required to submit three to five letters of recommendation. Applications submitted with no letters of recommendation will be considered incomplete. Letter of recommendations can be written from an individual or a committee. Applicants should select letter writers who will reflect their major activities and who know them well. The Admissions Committee prefers letters that address the applicant's suitability for a career in medicine and as a medical student. Letters of recommendation should provide new information in the application, not restate activities the applicant has already provided. Letters only will be accepted through the AMCAS Letter Service. UNLV School of Medicine will not accept letters of recommendation by any other process.
7. Transcripts: Applicants submit all official transcripts to AMCAS during the application period. If any additional transcript verifications are required, the UNLV School of Medicine Office of Admissions will contact an applicant direct. Only applicants who are admitted will be required to submit official transcripts to the School.

Plan Requirements

Total Credits Required: 175

Foundations Phase - Total Credits: 85

Emergency Response & Population Health - Credits: 6

- MED 801 - Emergency Response and Population Health

Introduction to Medical Science - Credits: 6

- MED 802 - Introduction to Medical Science

Hematology & Cancer - Credits: 4

- MED 803 - Hematology & Oncology

Musculoskeletal & Skin - Credits: 5

- MED 804 - Musculoskeletal and Skin Systems

Gastroenterology, Endocrinology, & Reproduction - Credits: 8

- MED 805 - Gastroenterology, Endocrinology and Reproduction

Cardiology, Pulmonary, Renal - Credits: 12

- MED 806 - Cardiovascular, Pulmonary and Renal Systems

Mind, Brain, and Behavior - Credits: 10

- MED 808 - Mind, Brain, and Behavior

Multi-systems Disease - Credits: 6

- MED 809 - Multi-system Disease

Analytics in Medicine 1, 2, 3 - Credits: 3

- MED 811 - Analytics in Medicine 1
- MED 821 - Analytics in Medicine 2
- MED 831 - Analytics in Medicine 3

Nevada Community Service 1, 2, 3 - Credits: 3

- MED 812 - Nevada Community Service 1
- MED 822 - Nevada Community Service 2
- MED 832 - Nevada Community Service 3

Foundations of Clinical Practice 1, 2, 3 - Credits: 6

- MED 810 - Doctoring 1
- MED 820 - Doctoring 2
- MED 830 - Doctoring 3
- MED 813 - Primary Care Preceptorship 1
- MED 823 - Primary Care Preceptorship 2
- MED 833 - Primary Care Preceptorship 3

Research & Scholarship Core - Credits: 16

Complete 12 credits of advisor-approved research courses during the Summer term, and 4 credits of advisor-approved research courses during the Spring term.

- MED 807 - Research 1
- MED 827 - Research 2

Clerkship Phase - Total Credits: 50

Longitudinal Integrated Clerkship. Students must complete the required credits of each specialty by enrolling in the following courses.

Specialty requirements are:

- Emergency Medicine - Credits: 1
- Family Medicine - Credits: 7
- Internal Medicine - Credits: 10
- Neurology - Credits: 1
- OB/Gyn - Credits: 7
- Pediatrics - Credits: 7
- Psychiatry - Credits: 7
- Surgery - Credits: 10
- MED 901 - Longitudinal Integrated Clerkship 1
- MED 902 - Longitudinal Integrated Clerkship 2
- MED 903 - Longitudinal Integrated Clerkship 3
- MED 904 - Longitudinal Integrated Clerkship 4
- MED 905 Longitudinal Integrated Clerkship 5

Career Exploration & Scholarship Phase - Total Credits: 40

Subinternship or Critical Care - Credits: 4

Complete 4 credits from the following list of courses.

- INTM 1100 Cardiology Critical Care Unit (CCU)
- INTM 3000 Intensive Care Unit (ICU)
- PEDS 3000 Pediatric Intensive Care Unit (PICU)
- PEDS 3100 Neonatology/Perinatal Medicine (NICU)
- EMRG 1000 Emergency Medicine
- FMED 1000 Family and Community Medicine
- INTM 1000 General Internal Medicine
- OBGY 1000 General Obstetrics & Gynecology
- OBGY 1300 Reproductive Endocrinology
- OBGY 3100 Gynecologic Oncology I
- OBGY 3200 Gynecologic Oncology II
- PEDS 1000 General Pediatrics
- PEDS 1700 Pediatric Pulmonology
- SURG 3000 Critical Care Surgery
- SURG 4000 General Surgery

Nevada Community Medicine - Credits: 4

- MED 1000 Nevada Community Medicine

Clinical Electives - Credits: 24-28

Complete 24-28 credits of advisor-approved courses.

- ANST 1000 Anesthesiology
- ANST 5000 Anesthesiology - Away
- DERM 1000 Dermatology
- DERM 5000 Dermatology - Away
- EMRG 1000 Emergency Medicine
- EMRG 1300 Pediatric Emergency Medicine
- EMRG 5000 Emergency Medicine - Away
- FMED 1000 Family and Community Medicine
- FMED 5000 Family Medicine - Away
- INTM 1500 Infectious Disease
- INTM 2200 Podiatry
- INTM 1000 General Internal Medicine
- INTM 1200 Endocrinology
- INTM 1400 Gastroenterology & Hepatology
- INTM 1600 Rheumatology
- INTM 1700 Pulmonary
- INTM 1800 Nephrology
- INTM 1900 Geriatrics
- INTM 2000 Palliative Care
- INTM 2100 Pain Medicine
- INTM 5000 Internal Medicine - Away
- MED 1000 Nevada Community Medicine
- NEUR 1000 Neurology Consult
- NEUR 5000 Neurology - Away
- OBGY 1000 General Obstetrics & Gynecology
- OBGY 1000 Labor & Delivery
- OBGY 1200 Women's Health
- OBGY 1300 Reproductive Endocrinology
- OBGY 2000 Minimally Invasive Gynecology
- OBGY 2200 Benign Gynecology
- OBGY 3100 Gynecologic Oncology I
- OBGY 3200 Gynecologic Oncology II
- OBGY 4000 Maternal Fetal Medicine (MFM)
- OBGY 5000 Obstetrics & Gynecology - Away
- OPTH 1000 Ophthalmology
- OPTH 5000 Ophthalmology - Away
- ORSU 1000 Orthopedic Surgery
- ORSU 5000 Orthopedic Surgery - Away

- OTOH 1000 Otorhinolaryngology
- OTOH 5000 Otorhinolaryngology - Away
- PATH 1000 Pathology/Laboratory Medicine
- PATH 1500 Diagnostic Pathology
- PATH 5000 Pathology - Away
- PBSU 1000 Psychiatry
- PBSU 5000 Psychiatry - Away
- PEDS 1000 General Pediatrics
- PEDS 1200 Pediatric Endocrinology
- PEDS 1400 Pediatrics Gastroenterology
- PEDS 1500 Pediatric Infectious Disease
- PEDS 1600 Behavioral & Developmental Pediatrics
- PEDS 1700 Pediatric Pulmonology
- PEDS 2000 Adolescent Medicine
- PEDS 3000 Pediatric Intensive Care Unit (PICU)
- PEDS 3100 Neonatology/Perinatal Medicine (NICU)
- PEDS 4000 Pediatric Cardiology
- PEDS 5000 Pediatrics - Away
- PESU 1000 Pediatric Surgery
- PESU 5000 Pediatric Surgery - Away
- PLSU 1000 Plastic Surgery
- PLSU 5000 Plastic Surgery - Away
- RAGY 1000 Radiology
- RAGY 5000 Radiology - Away
- REHB 1000 Physical Medicine & Rehabilitation (PMR)
- REHB 5000 Physical Medicine & Rehabilitation - Away
- SURG 4000 General Surgery
- SURG 5000 Surgery - Away
- ULTA 1000 Ultrasound

Optional Non-Clinical Elective - Credits: 4

Complete 4 credits from the following list of courses.

- EMRG 1500 Wilderness Medicine
- OBGY 1900 Patient Safety
- OBGY 1500 Family Planning
- ULTA 2000 Point of Care Ultrasound (POCUS)
- ANAT 1000 Clinical Anatomical Dissection

Transition to Residency - Credits: 4

- MED 7000 Capstone

Graduation Requirements

The Medical Student Progress Committee is responsible for making final decisions regarding the progress, promotion, and qualification for graduation of students in the School of Medicine. A documented concern about a student's performance, professional conduct, or personal behavior may result in a Committee determination of unsatisfactory progress when the record is reviewed by the Medical Student Progress Committee. The Medical Student Progress Committee will consider the completion of required courses and clerkships as well as documented professional conduct and personal behavior in making the final determination of whether the student has met the standards for promotion and for graduation.

The awarding of the Doctor in Medicine degree is contingent upon the satisfactory completion of all curricular and academic requirements, and the satisfactory practice of acceptable professional conduct and personal behavior.

In addition to the required course and clerkships listed under the Plan Requirements:

1. Successfully complete a scholarly research project;
2. Pass all components of the Objective Structured Clinical Examinations; and
3. Achieving a passing score on the United States Medical Licensing Examinations: USMLE Step 1, Step 2 – Clinical Knowledge, and Step 2 – Clinical Skills.

Students must complete all requirements for the M.D. degree within a period of time not to exceed six years from the date of initial matriculation. (For concurrent degree programs, e.g. M.D. MPH or M.D. Ph.D., the completion time will differ).

Students will receive a copy of the UNLV School of Medicine Student Handbook during orientation, which outlines policies and procedures pertaining to academic progress. For more information about the Doctor of Medicine program please visit the UNLV School of Medicine website.

Medicine Courses

MED 801 - Emergency Response and Population Health Credits 6

This immersion experience provides an introduction and orientation to the UNLV School of Medicine's campus, policies, and the community. Emphasis is placed on the development of patient evaluation skills, knowledge of emergency medical procedures, and awareness of community/public health issues, including qualification for the Nevada National Registry (EMT) Exam. Prerequisites: School of Medicine student in good standing.

MED 802 - Introduction to Medical Science Credits 6

An introduction to the biomedical sciences and basis for further study in the medical sciences. Introduces the basic tenets of biochemistry, molecular biology, cellular biology, genetics, and embryology, as well as histology, pathology, epidemiology, immunology, and pharmacology. Prerequisites: School of Medicine student in good standing.

MED 803 - Hematology & Oncology Credits 4

An integrated study of normal and abnormal aspects of the hematopoietic system along with an introduction to the multisystem discipline of oncology. Overview of pathophysiology, epidemiology, biostatistics, diagnostic tests, and exposure to basic concepts of cancer biology, epidemiology, and anti-neoplastic therapies. Prerequisites: School of Medicine student in good standing.

MED 804 - Musculoskeletal and Skin Systems Credits 5

An integrated study of the musculoskeletal and integumentary systems. Overview of pathophysiology, epidemiology, anatomy and embryology, biostatistics, diagnostic tests, as well as therapeutic principles associated with musculoskeletal disorders and dermatology. Prerequisites: School of Medicine student in good standing.

MED 805 - Gastroenterology, Endocrinology and Reproduction Credits 8

Prerequisites: School of Medicine student in good standing.

MED 806 - Cardiovascular, Pulmonary and Renal Systems Credits 12

An integrated study of the cardiovascular, pulmonary, and renal systems, structures and functions. Overview of pathophysiology, epidemiology, biostatistics, diagnostic tests, and therapeutic principles associated with disorders. Prerequisites: School of Medicine student in good standing.

MED 807 - Research 1 Credits 12

The medical curriculum fosters the multidirectional and multidisciplinary integration of basic, patient-oriented, and population-based research with the long-term goal of improving public health. Basic science knowledge is applied to conduct research, evaluate, and apply findings that enhance community health and produce meaningful health outcomes promoting prevention and/or treatment advances. Prerequisites: School of Medicine student in good standing.

MED 808 - Mind, Brain, and Behavior Credits 10

An integrated study of neurology, psychiatry, behavioral medicine, and human development, and understanding of the structure and function of the central and peripheral nervous system. Overview of pathophysiology, epidemiology, biostatistics, diagnostic tests, and therapeutic principles associated with the nervous system and mental disorders. Same as No Grading S/F Prerequisites: Successful passage of MED 801, MED 802, MED 803, MED 804, MED 805, MED 806, MED 810, MED 811, and MED 812. School of Medicine student in good standing.

MED 809 - Multi-system Disease Credits 6

An integrated study of complex disorders involving multiple tissues, organs, systems, and the diagnosis and management of chronic multisystem disorders. Overview of pathophysiology, epidemiology, biostatistics, diagnostic tests, and therapeutic principles associated with selected multisystem diseases, including infectious diseases and collagen-vascular diseases as exemplars. Same as No Grading S/F Prerequisites: Successful passage of MED 801, MED 802, MED 803, MED 804, MED 805, MED 806, MED 810, MED 811, and MED 812. School of Medicine student in good standing.

MED 810 - Doctoring 1 Credits 1

The first of a three-part foundational series designed to develop knowledge, skills, attitudes, and behaviors for the modern, competent, ethical, and humane physician. Emphasis is placed on the longitudinal development of clinical skills and professionalism prior to advancing into the clerkship and career preparation phases of the medical program. Prerequisites: School of Medicine student in good standing.

MED 811 - Analytics in Medicine 1 Credits 1

A longitudinal, three-part foundational series focused on developing proficiency and analytical techniques in utilizing clinical care experience and research to interpret and apply evidence to patient care and decisions for the improvement of care, healthcare systems and processes. Topics include: biostatistics, epidemiology, bioethics, and evidence based medicine. Prerequisites: School of Medicine student in good standing.

MED 812 - Nevada Community Service 1 Credits 1

A longitudinal three-part series integrating community health and service learning experiences throughout the foundations and clinical phases of the curriculum. Emphasis is placed on the development of awareness and accountability to patient care and the community, and knowledge of activism, advocacy, and social justice through professional, civic, and research activities. Prerequisites: School of Medicine student in good standing.

MED 813 - Primary Care Preceptorship 1 Credits 1

The first of a three-part, concurrent doctoring series focused on the value and integral role of primary care in the health care system. Instruction consists of weekly, half-day rotations over the course of eighteen months in a continuity, out-patient primary care setting.

MED 820 - Doctoring 2 Credits 1

A part of a longitudinal three-part series designed to develop knowledge, skills, attitudes, and behaviors for the modern, competent, ethical, and humane physician. Emphasis is placed on the development of clinical skills and professionalism prior to advancing into the clerkship and career preparation phases of the medical program. Prerequisites: School of Medicine student in good standing.

MED 821 - Analytics in Medicine 2 Credits 1

Part of a longitudinal foundational series focused on developing proficiency and analytical techniques in utilizing clinical care experience and research to interpret and apply evidence to patient care and decisions for the improvement of care, healthcare systems and processes. Topics include: biostatistics, epidemiology, bioethics, and evidence based medicine. Prerequisites: School of Medicine student in good standing.

MED 822 - Nevada Community Service 2.... Credits 1

Part of a longitudinal series integrating community health and service learning experiences throughout the foundations and clinical phases of the curriculum. Emphasis is placed on the development of awareness and accountability to patient care and community, and knowledge of activism, advocacy, and social justice through professional, civic, and research activities. Prerequisites: School of Medicine student in good standing.

MED 823 - Primary Care Preceptorship 2... Credits 1

A part of a longitudinal, concurrent doctoring series focused on the value and integral role of primary care in the health care system. Instruction consists of weekly, half-day rotations over the course of eighteen months in a continuity, out-patient primary care setting. Prerequisites: School of Medicine student in good standing.

MED 827 - Research 2 Credits 4

A longitudinal research component continuing the multi-directional and multidisciplinary integration of basic, patient-oriented, and population-based research with the long-term goal of improving public health. Basic science knowledge is applied to conduct research, evaluate, and apply findings that enhance community health and produce meaningful health outcomes promoting prevention and/or treatment advances.

MED 830 - Doctoring 3 Credits 1

A part of a longitudinal three-part series designed to develop knowledge, skills, attitudes, and behaviors for the modern, competent, ethical, and humane physician. Emphasis is placed on the development of clinical skills and professionalism prior to advancing into the clerkship and career preparation phases of the program. Prerequisites: School of Medicine student in good standing.

MED 831 - Analytics in Medicine 3 Credits 1

Part of a longitudinal foundational series focused on developing proficiency and analytical techniques in utilizing clinical care experience and research to interpret and apply evidence to patient care and decisions for the improvement of care, healthcare systems and processes. Topics include: bio statistics, epidemiology, bioethics, and evidence based medicine. Prerequisites: School of Medicine student in good standing.

MED 832 - Nevada Community Service 3 Credits 1

Part of a longitudinal series integrating community health and service learning experiences throughout the foundations and clinical phases of the curriculum. Emphasis is placed on the development of awareness and accountability to patient care and community, and knowledge of activism, advocacy, and social justice through professional, civic, and research activities. Prerequisites: School of Medicine student in good standing.

MED 833 - Primary Care Preceptorship 3 Credits 1

A part of a longitudinal, concurrent doctoring series focused on the value and integral role of primary care in the health care system. Instruction consists of weekly, half-day rotations over the course of eighteen months in a continuity, out-patient primary care setting. Prerequisites: School of Medicine student in good standing.

MED 901 - Longitudinal Integrated Clerkship 1 Credits 13

Comprehensive, patient- and learner-centered care in varied clinical settings across seven core specialties: internal medicine, family medicine, neurology, obstetrics & gynecology, psychiatry, and surgery. Following an immersion on inpatient services, rotations occur in outpatient settings, and incorporate time for self-directed learning and exploration of other specialties. Prerequisites: School of Medicine student in good standing.

MED 902 - Longitudinal Integrated Clerkship 2 Credits 13

Comprehensive, patient- and learner-centered care in varied clinical settings across seven core specialties: internal medicine, family medicine, neurology, obstetrics & gynecology, psychiatry, and surgery. Following an immersion on inpatient services, rotations occur in outpatient settings, and incorporate time for self-directed learning and exploration of other specialties. Prerequisites: School of Medicine student in good standing.

MED 903 - Longitudinal Integrated Clerkship 3 Credits 12

Comprehensive, patient- and learner-centered care in varied clinical settings across seven core specialties: internal medicine, family medicine, neurology, obstetrics & gynecology, psychiatry, and surgery. Following an immersion on inpatient services, rotations occur in outpatient settings, and incorporate time for self-directed learning and exploration of other specialties. Prerequisites: School of Medicine student in good standing.

MED 904 - Longitudinal Integrated Clerkship 4 Credits 12

Comprehensive, patient- and learner-centered care in varied clinical settings across seven core specialties: internal medicine, family medicine, neurology, obstetrics & gynecology, psychiatry, and surgery. Following an immersion on inpatient services, rotations occur in outpatient settings, and incorporate time for self-directed learning and exploration of other specialties. Grading S/F Prerequisites: Successful passage of MED 901, MED 902, and MED 903

Couple and Family Therapy Program

The Couple and Family Therapy program offers a master of science degree and a graduate certificate. The M.S. degree program in couple and family therapy is accredited by the Commission on Accreditation for Couple and Family Therapy Education (COAMFTE). Couple and Family Therapy is a theory-based professional practice. The program emphasizes putting theory into clinical practice. This practice includes supervised clinical experiences in the on-campus Center for Individual, Couple and Family Counseling. Students complete an approved internship in the community.

Students are required to obtain 500 hours of face-to-face clinical contact through practica and internship site experiences.

The philosophy of the MFT faculty is based upon values of individual worth and dignity, personal uniqueness and value, and individual freedom to be self-determined within a context of responsibility to others. Program faculty members represent a wide variety of therapy approaches and are actively involved in research related to the profession of couple and family therapy. Students are encouraged to become informed consumers of therapy literature and research. The program also emphasizes the importance of personal growth of the student. Since personal qualities play a vital part in the determination of success as a therapist, opportunities are provided for the development of self-awareness, as well as an understanding of the effect one has upon others in interpersonal relationships.

The mission of the MFT program is to provide quality training in the theory and practice of couple and family therapy to students primarily from the Southern Nevada region, but also those from the state, across the country, and throughout the world. We are committed to helping students become competent professionals through developing greater self-awareness, appreciating and embracing diversity, learning the art and science of clinical practice, and promoting a sense of ethical behavior, professionalism and professional identity.

Alison Netski, M.D., Chair

Sara Jordan, Ph.D., Graduate Coordinator

Couple and Family Therapy Faculty

Hertlein, Katherine M. - Full Graduate Faculty
Professor. B.S., Truman State University; M.S., Purdue University Calumet; Ph.D., Virginia Polytechnic Institute. Rebel since 2004.

Eddy, Brandon - Full Graduate Faculty
Assistant Professor. B.S., Weber State University; M.S., University of Nebraska-Lincoln; Ph.D., Texas Tech University. Rebel since 2017.

Clinic Director

Morrison, Sheila - Graduate Faculty
Administrative Faculty. B.S., University of Arizona; M.S. University of Nevada, Las Vegas. Rebel since 2014.

Professors Emeriti

Emerson, Shirley

Emeritus Professor; B.A., Rice University; M.A., Ph.D., University of Michigan. UNLV Emeritus 1984-2000.

McBride, Martha

Emeritus Professor; B.A., M.Ed., University of Florida; Ed.D., University of Georgia. UNLV Emeritus 1975-1999.

Master of Science - Couple and Family Therapy

This program is accredited by: COAMFT. More information can be found at: unlv.edu/provost/vpaa/accreditation

Plan Description

The Couple and Family Therapy Master of Science Degree Program, a 60 semester hour course of study, prepares candidates for licensure as a Couple and Family Therapist (MFT) in Nevada. MFTs work with individuals, couples, families, and groups on mental health, behavioral, personal and/or relational concerns. MFTs are employed in a wide range of settings, including public and private, for-profit and non-profit agencies, hospitals and social service agencies. They may practice independently after they are fully licensed. While there are similarities between MFT licensing requirements for most states, students are strongly encouraged to become familiar with the licensing requirements in the state(s) wherein they want to practice as an MFT. Students who are in their final semester of completing of their degrees may apply to the State of Nevada Board of Examiners for Marriage and Family Therapists and Clinical Professional Counselors for licensure as an MFT Intern. Once approved by the Board, a licensed Marriage and Family Therapy Intern is eligible to practice under the direct supervision of an AAMFT Approved Supervisor or AAMFT Supervisor Candidate. Further information on this process may be obtained by calling the board's office. Students should be aware that the state's post-master's internship and the department's pre-master's internships are in no way related. The department does not offer, nor otherwise sanction, state internships.

For more information about your program including your graduate program handbook and learning outcomes please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

The master's degree program requires that applicants apply for admission to the Graduate College, as well as to the Department of Couple and Family Therapy as Applicants must provide official transcripts of all college level coursework. In addition, applicants are required to submit Graduate Record Examination (GRE) scores on both the Verbal and Quantitative sections of the general test. While there is no minimum GRE score for

admission, students accepted into the program typically score 150 (verbal) and 141 (quantitative). We will accept scores from both the old and new test. (Note: the GRE must be taken by applicants within the last five years). Be advised that we must receive your GRE scores by the application deadline for you to be considered. Applicants who apply by the application deadline but do not take their GRE until after the application deadline will not be considered. A minimum grade point average of 2.75 for all undergraduate work and a 3.00 for the last two years of undergraduate work is required.

Applicants must also make arrangements for three letters of recommendation to be sent directly to the department, along with a departmental application form, and two writings (an autobiographical writing and an essay on the family). Potential students should visit the department website for specific application materials (<http://mft.unlv.edu/index.html>). Applications are accepted once a year, with a January 15 priority deadline. The application process also involves an extensive on-campus interview for viable candidates, with all candidates participating in interviews together. Classes begin in the Fall semester.

Note: Non-admitted students may take up to three selected courses (see course listing for prerequisites) prior to formal admission to the program (CFT 701, CFT 759 and CFT 763). If admitted, these courses are eligible to count toward the degree. However, program tuition remains the same. Please contact the Couple and Family Therapy graduate coordinator for more information.

All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

See Subplan Requirements below.

Subplan 1 Requirements: Thesis Track

Total Credits Required: 60

Course Requirements

Required Courses – Credits: 54

- CFT 701 - Introduction to Couple and Family Therapy
- CFT 719 - Sexual Issues in Marriage and Family Therapy
- CFT 720 - Counseling Across the Lifespan
- CFT 725 - Diversity in Couple and Family Therapy
- CFT 731 - Substance Abuse in Couple and Family Therapy
- CFT 759 - Family Dynamics
- CFT 762 - Diagnosis in Couple and Family Therapy

- CFT 763 - Family Systems Theory
- CFT 764 - Principles and Practices of Marriage and Family Therapy I
- CFT 765 - Principles and Practices of Couple and Family Therapy II
- CFT 771 - Ethical and Legal Issues in Couple and Family Therapy
- CFT 773 - Intermediate Couple and Family Therapy Practicum
- CFT 776 - Advanced Community Practicum
- CFT 777 - Couples Counseling
- CFT 779 - Couple and Family Therapy Research Seminar

Thesis – Credits: 6

- CFT 749 - Thesis

Degree Requirements

1. Have a cumulative grade point average of 3.00 or better in the program. Students who receive an F, or more than two Cs, will be separated from the program.
2. A grade of B or better is required in any practicum or internship or the course must be repeated.
3. Students are required to complete 6 credits of thesis.
4. In consultation with his/her advisor, a student will organize a thesis committee of at least three departmental members. In addition, a fourth member from outside the department, known as the Graduate College Representative, must be appointed. An additional committee member may be added at the student and department's discretion. Please see Graduate College policy for committee appointment guidelines.
5. Every student will be reviewed each semester to determine adequate progress and retention in the program.
6. The full time program is sequenced so that students take a certain number of courses or credits each semester, including summer. A student who does not follow the designated course sequence may lack prerequisites for their next courses, and, therefore, may need to wait for a course to be offered again in the next cycle. It is the responsibility of the student to discuss course sequencing and planned timing with their advisor. Not all courses are offered every semester or every year. There are many courses that are offered only once each calendar year. Thus, it is imperative that students take the recommended number of credits and stay in sequence in order for them to graduate in a timely manner.

Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up

to two semesters prior to completing his/her degree requirements.

2. The student must submit and successfully defend his/her thesis by the posted deadline. The defense must be advertised and is open to the public.
3. After the thesis defense, the student must electronically submit a properly formatted pdf copy of their thesis to the Graduate College for format check. Once the thesis format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for thesis defenses, format check submissions, and the final ProQuest submission can be found here.

Subplan 2 Requirements: Non-Thesis Track

Total Credits Required: 60

Course Requirements

Required Courses – Credits: 54

- CFT 701 - Introduction to Couple and Family Therapy
- CFT 719 - Sexual Issues in Marriage and Family Therapy
- CFT 720 - Counseling Across the Lifespan
- CFT 725 - Diversity in Couple and Family Therapy
- CFT 731 - Substance Abuse in Couple and Family Therapy
- CFT 759 - Family Dynamics
- CFT 762 - Diagnosis in Couple and Family Therapy
- CFT 763 - Family Systems Theory
- CFT 764 - Principles and Practices of Marriage and Family Therapy I
- CFT 765 - Principles and Practices of Couple and Family Therapy II
- CFT 771 - Ethical and Legal Issues in Couple and Family Therapy
- CFT 773 - Intermediate Couple and Family Therapy Practicum
- CFT 776 - Advanced Community Practicum
- CFT 777 - Couples Counseling
- CFT 779 - Couple and Family Therapy Research Seminar

Capstone Course – Credits: 6

- CFT 750 - Capstone

Degree Requirements

1. Have a cumulative grade point average of 3.00 or better in the program. Students who receive an F, or more than two Cs, will be separated from the program.
2. A grade of B or better is required in any practicum or internship or the course must be repeated.

3. Students prepare a portfolio with either a clinical focus or research focus and are required to complete 6 credits of capstone.
4. Every student will be reviewed each semester to determine adequate progress and retention in the program.
5. The full time program is sequenced so that students take a certain number of courses or credits each semester, including summer. A student who does not follow the designated course sequence may lack prerequisites for their next courses, and, therefore, may need to wait for a course to be offered again in the next cycle. It is the responsibility of the student to discuss course sequencing and planned timing with their advisor. Not all courses are offered every semester or every year. There are many courses that are offered only once each calendar year. Thus, it is imperative that students take the recommended number of credits and stay in sequence in order for them to graduate in a timely manner.

Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
2. The student must successfully complete the capstone.

Plan Graduation Requirements

Refer to your subplan for Graduation Requirements.

Couple and Family Therapy Courses

CFT 701 - Introduction to Couple and Family Therapy **Credits 3**

Introduction to the field and profession of marriage and family therapy including the study of trends, purposes, ethics, standards, and professional roles of marriage and family therapists. Basic therapeutic techniques such as joining, conducting an assessment, treatment planning, and termination of treatment. Formerly MFT 701

CFT 705 - Child Counseling **Credits 3**

Focus on developing knowledge and skills necessary to counsel children and adolescents. Theoretical and practical counseling interventions for helping children and adolescents will be explored. Ethical and legal responsibilities in regard to children, and current research presented. Formerly MFT 705 Prerequisites: CFT 764.

CFT 710 - Family Therapy with Older Adults **Credits 3**

Targets on the use of human relations and counseling techniques with elderly citizens who may have coping or adaptation problems. Emphasis on problems related to aging. Formerly MFT 710 Prerequisites: CFT 701, Admission to CFT program or consent of instructor.

CFT 711 - Issues in Counseling Women **Credits 3**

Developmental patterns in women. Changing roles of women; sexist bias and nonsexist counseling; existing counseling approaches and their impact on various female populations; examination of subcultures within the female group. Formerly MFT 711 Prerequisites: CFT 701, admission to CFT program or consent of instructor.

CFT 713 - Gender Issues in Couple and Family Therapy **Credits 3**

Survey of gender issues for adult men and women, which impact counseling concerns such as relationships, work, and lifestyles. Formerly MFT 713 Prerequisites: CFT 701 Admission to MFT program or consent of instructor.

CFT 715 - Group Processes and Procedures **Credits 3**

Group dynamics and procedures; emphasis on personal growth, examination of personal attitudes and values, and group membership. Formerly MFT 715 Prerequisites: Admission to CFT program.

CFT 719 - Sexual Issues in Marriage and Family Therapy **Credits 3**

Basic knowledge, theory, and interventions to help clients deal with sexual issues. Introduces methodology of conducting sexual assessment interviews, as well as structuring and implementing treatment strategies for a variety of issues including: sexual dysfunctions, selected varieties of sexual behavior, aging, disabilities, and transmitted diseases. Formerly MFT 719 Prerequisites: CFT 765, admission to CFT program.

CFT 720 - Counseling Across the Lifespan **Credits 3**

This class focuses on developing knowledge and skills necessary to counsel across the lifespan. Theoretical and practical counseling interventions for helping across developmental ages will be explored, as well as ethical and legal responsibilities. Formerly MFT 720 Prerequisites: Admission into the CFT MS program.

CFT 725 - Diversity in Couple and Family Therapy **Credits 3**

Provides principles, procedures, and techniques of therapy with multicultural populations. Emphasis on establishing communication with individuals representing diversified cultures. Offering of action-oriented guidance relevant to various cultural lifestyles. Prerequisites: Admission to CFT program.

CFT 731 - Substance Abuse in Couple and Family Therapy **Credits 3**

Physical and psychological aspects of substance abuse and other addictions, specific counseling and treatment approaches. Formerly MFT 731 Prerequisites: Admission to CFT program.

CFT 734 - Assessment in Couple and Family Therapy **Credits 3**

Theoretical and practical approach to assessing the individual. Includes development of framework for understanding individual and group testing in behavioral health; data gathering methods; case study approaches; and individual differences including ethnic, cultural, and gender considerations. Formerly MFT 734 Prerequisites: CFT 701, admission to CFT program or consent of instructor.

CFT 736 - Orientation to Couple and Family Therapy **Credits 1**

Provides information concerning the professional role, function, history, philosophy and practice of therapy. Role of the marriage and family therapist in community, educational, and business settings, as well as their interactive relationship with other professionals. Formerly MFT 736

CFT 737 - Seminar: Crucial Issues in Couple and Family Therapy Credits 3 – 6

Analysis of selected and significant issues in therapy of current and continuing concern. Notes: May be repeated once for credit. Majors only. Prerequisites: Admission to CFT MS program.

CFT 748 - Couple and Family Therapy Professional Paper Credits 3

The professional paper is designed to demonstrate the skills students have acquired during their graduate education. Grading S/F grading only. Prerequisites: Admission to CFT MS program. Corequisite: CFT 779

CFT 749 - Thesis Credits 3 – 6

Research, analysis, and writing towards completion of thesis and subsequent defense. Notes: May be repeated but only six credits applied to the student's program. Grading S/F grading only. Prerequisites: CFT 779, admission to CFT program or consent of instructor.

CFT 750 - Capstone Credits 1 - 6

As a capstone experience in the program, students may choose to prepare either a clinical or research portfolio. The clinical portfolio focuses on students' development as a clinician. The research portfolio focuses on students' development as a scientist-practitioner. Students will be required to prepare a written and oral presentation. Notes: May be repeated to a maximum of six credits. Grading S/U grading only Prerequisites: Admission into the CFT MS program.

CFT 755 - Advanced Couple and Family Theories Credits 3

Intensive exploration of current and historical developments in the field of marriage and family therapy. Emphasis on the major systems and applications together with the current research in these areas. Prerequisites: CFT 765

CFT 756 - Human Development Credits 3

Study of human growth and development of individuals across the lifespan, including stability and change in relationships. Focus on developmental implications in conducting couple and family therapy and interventions. Prerequisites: Admission to CFT MS program.

CFT 758 - Individual Instruction Credits 1 – 3

Selected basic problems related to the field of couple and family therapy. a) Testing. b) Curriculum. c) Supervision. d) Therapy. e) Area Problems. f) Research. Notes: May be repeated to a maximum of nine credits. Prerequisites: Admission to CFT MS program.

CFT 759 - Family Dynamics Credits 3

Study of family factors as they relate to personal adaptability. Application of research and practice in family therapy relative to the interpersonal problems of adults and children.

CFT 761 - Technology and the Internet in the Social Science, Research and Practice Credits 3

Explores role of technology in changing society, application of technology to field of social sciences, research and practice, and limitations and concerns about technology in the helping profession. Prerequisites: CFT 701 Admission to CFT MS program or consent of instructor.

CFT 762 - Diagnosis in Couple and Family Therapy Credits 3

Overview of practical and theoretical aspects of assessment and diagnosis of behavior in couple and family therapy. Examination of cultural factors affecting diagnosis and assessment. Focus on relational diagnosis. Prerequisites: Admission to CFT MS program or consent of instructor. Corequisite: MFT 764

CFT 763 - Family Systems Theory Credits 3

In-depth analysis of general systems theory as it applies to therapy, especially with multi-person client systems such as couples and families. Major concepts, philosophical foundations, and pragmatic implications of using systematic principles in counseling.

CFT 764 - Principles and Practices of Marriage and Family Therapy I Credits 3

Focuses on the process of family therapy. Beginning skills necessary for family therapy. Theoretical foundations in systems theory as well as each of the major models of family therapy. Prepares students to assess families and conduct family therapy from variety of approaches. Prerequisites: Admission to CFT MS program.

CFT 765 - Principles and Practices of Couple and Family Therapy II Credits 3

Focuses on contemporary family therapy theories and approaches, including marital therapy theories and models. Advanced understanding of assessment, applications of current research and outcomes, professional and ethical issues, and clinical marital issues included. Prerequisites: CFT 764

CFT 771 - Ethical and Legal Issues in Couple and Family Therapy Credits 3

Examination of professional organizations, their methods of change, ethical and legal standards, their evolution and application to a variety of professional activities. Prerequisites: Admission to CFT program.

CFT 772 - Beginning Couple and Family Therapy Practicum Credits 3

Beginning therapy experience with couples and families. Prerequisites: CFT 701; CFT 765.

CFT 773 - Intermediate Couple and Family Therapy Practicum Credits 3

Intermediate therapy experience with couples and families. Notes: Must be repeated for a minimum of nine credits. Prerequisites: CFT 762, CFT 765, CFT 772

CFT 774 - Advanced Couple and Family Therapy Practicum Credits 3

Advanced therapy experience with couples and families. Prerequisites: CFT 701; CFT 765; CFT 772

CFT 775 - Couple and Family Therapy Community Practicum Credits 3

Externship experience with couples and families. Prerequisites: CFT 774.

CFT 776 - Advanced Community Practicum Credits 3

Advanced practicum experience with couples and families. Formerly MFT 776 Prerequisites: CFT 762, CFT 765, CFT 775

CFT 777 - Couples Counseling Credits 3

Specialized approaches to resolving adult relationship problems. Theoretical issues, relationship appraisal techniques, and ethical considerations specific to couples therapy. Prerequisites: Admission to CFT MS program.

CFT 779 - Couple and Family Therapy Research Seminar Credits 3

Seminar in the application and integration of couple and family therapy outcome and process research. Emphasis on developing knowledge necessary to understand the results of and apply the methods of couple and family research through an exploration of applied research methods, and relevant research findings. Prerequisites: Admission to CFT MS program.

CFT 781 - Best Practices in Couple and Family Therapy

Credits 3

Advanced course that builds upon existing knowledge and clinical experience. Focuses on research supporting the effectiveness of couple and family therapy. Students will learn "best practice" couple and family treatment approaches for use with clients suffering from various relational and mental health problems. Prerequisites: CFT 762, CFT 779. Admission to CFT MS program or consent of instructor.

CFT 783 - Trauma and Abuse

Credits 3

Specified counseling procedures with the child abuser or abused child. Study etiology of the phenomenon of child abuse. Study of factors and their interpretation to facilitate intervention models and resources to meet client objectives. Prerequisites: CFT 759 Admission to CFT MS program or consent of instructor.

CFT 787 - Individual Research

Credits 1 – 3

Selected problems in Couple and Family Therapy. Notes: May be repeated to a maximum of seven credits. Prerequisites: Admission to CFT MS program.

CFT 788 - Advanced Seminar in Couple and Family Therapy

Credits 1 – 6

Selected topics in counseling and human development services. a) Principles and practices. b) Individual analysis. c) Occupational information. d) Placement. e) Follow-up evaluation. f) Research. Same as (EPY 788) Notes: May be repeated to a maximum of six credits. Prerequisites: Admission to CFT MS program.

CFT 793 - Doctoral Internship

Credits 3 – 6

Intense supervision with a restricted client load. Enrollees synthesize and translate clinical skills in supervisory role. Restricted to doctoral candidates. Notes: May be repeated to a total of six credits. Prerequisites: Doctoral candidates. Admission to CFT MS program or consent of instructor.

CFT 799 - Dissertation

Credits 3 – 24

Culminating experience that may be: a) traditional, original research, b) field oriented and problem solving, or c) exploratory or generative research. Notes: Limited to doctoral candidates. 3-24 credits in increments of 3. Prerequisites: Doctoral candidates. Admission to CFT MS program or consent of instructor.

School of Nursing

Welcome to the School of Nursing at UNLV. Our nursing program is the oldest in Southern Nevada and the only School of Nursing in Nevada to offer a Doctor of Philosophy in Nursing (Ph.D.) Degree.

All of our graduate programs are all web-based to allow for “anytime, anyplace” education but may involve occasional visits to campus.

Our Master of Science in Nursing Degree (MSN), offers three tracks, Family Nurse Practitioner (FNP), Psychiatric Mental Health Nurse Practitioner (PMHNP) and Nurse Educator (NE). We also offer an Advanced Graduate Certificate in Nursing Education (NE), Emergency Nurse Practitioner (ENP), Psychiatric Mental Health Nurse Practitioner (PMHNP) and PMHNP for the FNP

FNPs and PMHNP’s provide primary care for individuals across the lifespan and often provide care to indigent and uninsured populations. The NE prepares graduates to teach nursing. Thus, increasing qualified faculty so that area nursing schools may increase their enrollment. The MSN degree program is growing rapidly because of the great need for advanced practice nurses and nurse educators in Nevada. The master’s program has full accreditation by the Commission on Collegiate Nursing Education (CCNE) and is designed to provide students the requisite knowledge and skills for safe and effective nursing practice.

A Doctorate of Nursing Practice (DNP) degree program is now available at UNLV to educate post-master’s degree students. The DNP degree is a terminal professional practice degree and prepares graduates in the tracks of advanced clinical practice as a Family Nurse Practitioner or Nurse Executive. The DNP program is online but requires occasional trips to campus for orientation, skills training, and testing. The MSN to DNP Family Nurse Practitioner track is accredited by CCNE.

Our Ph.D. in Nursing degree program is research-focused and includes two tracks, with an emphasis on nursing education and a post Doctor of Nursing Practice (DNP) to Doctor of Philosophy in Nursing (Ph.D.). Our goal is to prepare scholars to advance nursing science and practice through rigorous research, evidence-based education, and dynamic leadership.

Expansion of our research activities includes a number of well-funded graduate assistant positions available for full-time students. Graduate assistants work closely with faculty on their research and participate in a number of study related activities. Graduate assistantships provide wonderful opportunities to gain additional knowledge and skills and foster professional relationships with faculty.

I encourage you to read the catalog and explore our website to find out more about all of these programs and to visit us when you are in the Las Vegas area.

Angela Amar, Ph.D., RN, FAAN, Dean

Kathryn Laughon - Associate Dean, Research (Acting)

Susan McLennon - Associate Dean, Faculty Affairs

Steven Palazzo - Associate Dean, Academic Affairs

*Hester-Harper, Patrice - Assistant Dean,
Administration, Outreach, and Engagement*

Nursing Faculty

Dean

Amar, Angela - Full Graduate Faculty
Professor; BSN, MSN, Louisiana State University Medical Center; PhD University of Pennsylvania. Rebel since 2017.

Associate Dean for Academic Affairs

Palazzo, Steven - Full Graduate Faculty
Professor; BSN, MSN, PhD University of Washington. Rebel since 2020,

Associate Dean for Faculty Affairs

McLennon, Susan - Full Graduate Faculty
Professor; BSN University of Central Florida, MSN University of Florida; PhD University of Alabama; Post Doc Indiana University. Rebel since 2020,

Ph.D. Program Director

Dingley, Catherine - Full Graduate Faculty
Associate Professor; BSN University of West Florida; MSN Midwestern State University; PhD University of Colorado. Rebel since 2015.

DNP Program Director

Clements, Paul Thomas - Full Graduate Faculty
Professor in Residence; BSN; MSN; PhD, University of Pennsylvania. Rebel since 2019

MSN Program Director

Angosta, Alona - Full Graduate Faculty
Associate Professor; BSN, MSN University of Nevada, Las Vegas; PhD University of Hawaii. Rebel since 2005.

Graduate Faculty

Bellow, Aaron – Full Graduate Faculty
Assistant Professor; BSN McNeese State University; MSN University of Texas; PhD Duquesne University. Rebel since 2017.

Benfield, Rebecca - Full Graduate Faculty
Associate Professor; BSN University of North Carolina; MSN University of Kentucky; PhD University of South Carolina. Rebel since 2015.

Bondmass, Mary - Full Graduate Faculty
Associate Professor; BSN Loyola University; MSN Loyola; PhD University of Illinois. Rebel since 2015.

Clements, Paul Thomas - Full Graduate Faculty
Professor in Residence; BSN; MSN; PhD, University of Pennsylvania. Rebel since 2019

Cho, June - Full Graduate Faculty
Associate Professor; BSN Catholic University Seoul, Republic of Korea; MSN Yonsei University, Seoul, Republic of Korea; PhD, Post Doc University of North Carolina, Chapel Hill. Rebel since 2018.

Colosimo, Roseann - Full Graduate Faculty
Associate Professor; BSN Saint John College, Cleveland Ohio; MSN Catholic University, Washington DC; PhD The Ohio State University, Columbus, Ohio. Rebel since 2016.

Cyrkiel, Dianne - Associate Graduate Faculty
Lecturer; BSN Indiana University, MSN, University of Texas. Rebel since 2000.

Dingley, Catherine - *Full Graduate Faculty*
Associate Professor; BSN University of West Florida; MSN Midwestern State University; PhD University of Colorado. Rebel since 2015.

Doolen, Jessica - *Full Graduate Faculty*
Assistant Professor; BSN, MSN, University of Nevada, Las Vegas; PhD, University of Northern Colorado. Rebel since 1994.

Eisenberg, Karen - *Associate Graduate Faculty*
Lecturer; BSN, MSN Regis University. Rebel since 2012.

Feng, Du - *Full Graduate Faculty*
Professor; BS Peking University; MS University of Southern California; PhD University of Southern California. Rebel since 2013.

Holt, Karyn - *Full Graduate Faculty*
Professor; BSN, University of Texas Medical Branch; MSN, Georgetown University; PhD, Touro University International. Rebel since 2019.

Kawi, Jennifer - *Full Graduate Faculty*
Associate Professor, BSN Saint Louis University; MSN University of Nevada, Las Vegas; PhD University of Colorado, Denver. Rebel since 2007.

Kim, Jinyoung - *Full Graduate Faculty*
Associate Professor, BSN, Ewha Womans University, Seoul Republic of Korea; MSN, Graduate School of Clinical Health Science, Ewha Womans University, Seoul Republic of Korea; PhD, Ewha Womans University, Seoul Republic of Korea. Rebel since 2019.

Lee, Hyunhwa - *Full Graduate Faculty*
Assistant Professor; BSN, MSN, Yonsei University, Seoul, Republic of Korea; PhD, University of Michigan, Ann Arbor. Rebel since 2014.

Leland, Nicole - *Associate Graduate Faculty*
Lecturer; BSN, MSN University of Nevada, Las Vegas. Rebel since 2010.

Lekhak, Nirmala - *Full Graduate Faculty*
Assistant Professor; BSN; PhD Case Western University. Rebel since 2017.

Maes, Cheryl - *Full Graduate Faculty*
Assistant Professor; BSN, MSN, University of Nevada, Las Vegas; PhD University of Arizona. Rebel since 2004.

Nicholas, Lisa - *Associate Graduate Faculty*
Visiting Lecturer; BSN, MSN University of Nevada, Las Vegas. Rebel since 2017.

Pfannes, Jennifer - *Assistant Professor*;
BSN, University of Nevada Las Vegas; DNP University of Nevada, Las Vegas. Rebel since 2013.

Reyes, Andrew - *Full Graduate Faculty*
Assistant Professor; BSN Remedios T. Romualdez College of Nursing; MSN D'Youville College; PhD University of Western Ontario, London Ontario, Canada. Rebel since 2016.

Rue, Shona - *Associate Graduate Faculty*
Senior Lecturer; BSN, Virginia Commonwealth University; MSN Oregon Health Sciences University. Rebel since 2007.

Seráfica, Reimund - *Full Graduate Faculty*
Assistant Professor; A.A., MSN, Gardner-Webb University; PhD University of Hawaii at Manoa. Rebel since 2014.

Silvestri-Elmore, Angela - *Full Graduate Faculty*
Visiting Assistant Professor; BSN, Salve Regina University; MSN, PhD University of Nevada, Las Vegas. Rebel since 2016.

St. Pierre Schneider, Barbara - *Full Graduate Faculty*
Research Professor; BSN LSUMC; MS University of Washington; DNSc, UCLA. Rebel since 2006.

Tan, Rhigel - *Full Graduate Faculty*
Assistant Professor in Residence; BSN, Cebu City Medical Center College of Nursing; MN, Cebu Normal University; DNP Rocky Mountain University of Health Professions. Rebel since 2005.

Tran, Dieu-My - *Full Graduate Faculty*
Assistant Professor; BSN, PhD University of Nebraska Medical Center. Rebel since 2016.

VanBeuge, Susan - *Full Graduate Faculty*
Associate Professor; BSN Pacific Lutheran University; MS University of Nevada Las Vegas; DNP University of Utah. Rebel since 2006.

Vanderlaan, Jennifer - *Assistant Professor*;
BSN, Russell Sage College; MSN, Emory University Nell Hodgson; PhD, Emory University Laney Graduate School. Rebel since 2019.

Willis, Janelle - *Associate Graduate Faculty*
Lecturer; BSN, MSN University of Nevada, Las Vegas. Rebel since 2009.

Wood, Minnie - *Associate Graduate Faculty*
Lecturer; BSN, State University of New York; MSN University of California. Rebel since 2016.

Plans

Advanced Graduate Certificate in Nursing Education

Advanced Graduate Certificate in Family Nurse Practitioner (ON HOLD)

Advanced Graduate Certificate in Emergency Nurse Practitioner

Advanced Graduate Certificate in Psychiatric Mental Health Nurse Practitioner

Advanced Graduate Certificate in Psychiatric Mental Health Nurse Practitioner for the FNP

Post Graduate Certificate in Biobehavioral Nursing

Master of Science - Nursing

Doctor of Nursing Practice

Doctor of Philosophy – Nursing

Advanced Graduate Certificate in Nursing Education

Plan Description

Individuals who already hold a master's degree in nursing and meet the admission qualifications, may take courses leading to the Nursing Education Post-Masters Certificate. Admitted students take courses as a non-degree student and are awarded a certificate documenting completion of the required course work. The Nursing Education Post-Masters Certificate prepares individuals for teaching positions within a program of nursing or a nurse educator position in a clinical setting. Additional courses beyond the minimum courses needed for the certificate program

may be required if the applicants earned M.S. in Nursing lack courses required by the UNLV School of Nursing.

View Program Disclaimers.

For more information about your program, including your graduate program handbook and learning outcomes, please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

Students must apply and submit all admission materials via the Grad Rebel Gateway system available through the Graduate College. The following items are required:

1. Transcripts of all course work for both baccalaureate and masters degrees must be sent to the School of Nursing and Graduate College. Transcripts must show coursework in Advanced Physical Assessment, Advanced Pathophysiology, and Advanced Pharmacology. Additionally, if unofficial transcripts are available to the student, please upload to the application. Nursing course work must have been completed at a nursing program accredited by the National League for Nursing Accrediting Commission or Commission on Collegiate Nursing Education.
2. Three (3) letters of recommendation from either instructors or employers that speak to the applicant's potential to complete the Advanced Graduate Certificate in Nursing Education Program.
3. Statement of 300 words describing the students' professional goals and reason for seeking a nurse practitioner certificate.
4. Current resume or vita.
5. Current, unrestricted, valid RN license in state of residence.
6. Have practiced as a baccalaureate-prepared registered nurse (RN) for a minimum of 2000 hours prior to beginning coursework in the program.

All applicants must review and follow the Graduate College Admission and Registration Requirements.

Students are accepted into a certificate program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

Total Credits Required: 12

Course Requirements

Required Courses – Credits: 12

- NURS 709 - Teaching and Learning in Nursing Education
- NURS 710 - Course Level Evaluation Strategies for

Nurse Educators

- NURS 724 - Developing & Evaluating Curriculum for Nursing Education
- NURS 733 - Nursing Education Practicum I

Certificate Requirements

Completion of a minimum of 12 credit hours with a minimum GPA of 3.00.

Plan Certificate Completion Requirements

The student must submit all required forms to the Graduate College and then apply for graduation in MyUNLV by the appropriate deadline.

Plan Disclaimers

This program does not result in licensure and certification.

Advanced Graduate Certificate in Emergency Nurse Practitioner

Plan Description

Individuals who already have a master's degree in nursing as a Family Nurse Practitioner and meet the admissions qualifications will be allowed to take courses towards the Post-Master's Advanced Graduate Certificate in Emergency Nurse Practitioner upon admissions into the program. A certificate will be awarded documenting completion of the coursework and transcripts will reflect courses taken.

For more information about your program, including your graduate program handbook and learning outcomes, please visit the Degrees Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

All applicants must review and follow the Graduate College Admission and Registration Requirements.

Students must apply and submit all admission materials via the Grad Rebel Gateway system available through the Graduate College. The following items are required:

1. Official transcripts of all coursework for both baccalaureate and master's degrees must be sent to the School of Nursing and Graduate College. Master's transcripts must show coursework in Family Nurse Practitioner curriculum with the conferral of a Master of Science in Nursing degree from a program fully accredited by National League of Nursing (NLN) and/or American Association Colleges of Nursing (AACN.) The accrediting body for NLN is ACEN and the accrediting body for the American Association Colleges of Nursing is CCNE. GPA of 3.0 or above

2. Current valid unencumbered and unrestricted RN and APRN licensure in the state of residence.
3. Basic Life Support (BLS) Certification, Advanced Cardiac Life Support (ACLS) Certification, and Pediatric Advanced Life Support (PALS) Certification.
4. National board certification or eligibility through the American Nurse Credentialing Center (ANCC) or the American Association of Nurse Practitioners (AANP) as a Family Nurse Practitioner. For board eligible applicants, completion of the FNP program must have been within the previous 6 months. Achievement and verification of FNP board certification will be required prior to completion of the Advanced Graduate Certificate in Emergency Nurse Practitioner.
5. Three letters of recommendation from either instructors or employers that speak to the applicant's potential to complete the Advanced Graduate Certificate in Emergency Nurse Practitioner Program.
6. A statement describing the students' professional goals and the reason for seeking the Advanced Graduate Certificate in Emergency Nurse Practitioner.
7. Current Resume or Curriculum Vitae (CV).
8. Interview may be required.
9. Signed letter of attestation regarding FNP Board Certification Eligibility. Please refer to Section C for form.

Students are accepted into a certificate program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

Total Credits Required: 15

Course Requirements

Required Courses – Credits: 15

- NURS 790E - Emergency Nurse Practitioner I: Management of Acute Exacerbation of Chronic Illnesses
- NURS 791E - Emergency Nurse Practitioner II: Management of Acute Illnesses and Injuries
- NURS 792E - Emergency Nurse Practitioner III: Management of Critical Illnesses and Injuries

Certificate Requirements

Completion of a minimum of 15 credit hours with a minimum GPA of 3.00.

Plan Certificate Completion Requirements

The student must submit all required forms to the Graduate College and then apply for graduation in MyUNLV by the appropriate deadline.

Advanced Graduate Certificate in Psychiatric Mental Health Nurse Practitioner

Plan Description

Individuals who already have a graduate degree in nursing and meet the admission qualifications will be allowed to take courses as an advanced graduate certificate-seeking student. A certificate will be awarded, documenting completion of the course work will be provided and transcripts showing completion of the courses will be available. Each individual applicant will be evaluated to determine the courses required in order to complete the specific certificate program. Additional courses beyond the minimum courses needed for the certificate program may be required if the applicant's earned graduate degree in nursing lacks courses required by the UNLV School of Nursing.

For more information about your program, including your graduate program handbook and learning outcomes, please visit the Degrees Directory.

View Certificate Disclaimer.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

All applicants must review and follow the Graduate College Admission and Registration Requirements.

Students must apply and submit all admission materials via the Grad Rebel Gateway system available through the Graduate College.

The following items are required:

1. Official transcripts of all course work for both baccalaureate and graduate degrees must be sent to the School of Nursing and Graduate College. Transcripts must show coursework in Advanced Physical Assessment, Advanced Pathophysiology, and Advanced Pharmacology. Additionally, if unofficial transcripts are available to the student, please upload to the Grad Rebel Gateway application. Nursing course work must have been completed at a nursing program accredited by the National League for Nursing Accrediting Commission or Commission on Collegiate Nursing Education.
2. Three letters of recommendation from either instructors or employers that speak to the applicant's potential to complete the Advanced Graduate Certificate in Psychiatric Mental Health Nurse Practitioner Program.
3. Current resume or curriculum vitae (CV).
4. Current valid unencumbered and unrestricted RN license in state of residence.
5. Statement of 300 words describing the students'

professional goals and reason for seeking a nurse practitioner certificate.

6. Interviews may be required.
7. All applicants must review and follow the Graduate College Admission and Registration Requirements.

Students are accepted into a certificate program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

Total Credits Required: 28

Course Requirements

Required Courses – Credits: 28

- NURS 701 - Diagnostic Reasoning and Clinical Decision Making for the APRN
- NURS 714 - Family Theory and Health Promotion
- NURS 752 - Nurse Practitioner Business and Roles
- NURS 761 - Clinical Synthesis
- NURS 794 - Psychiatric Mental Health Nurse Practitioner I
- NURS 796 - Psychiatric Mental Health Nurse Practitioner II
- NURS 799 - Psychiatric Mental Health Nurse Practitioner III

Certificate Requirements

Completion of a minimum of 28 credit hours with a minimum GPA of 3.00.

Plan Certificate Completion Requirements

The student must submit all required forms to the Graduate College and then apply for graduation in MyUNLV by the appropriate deadline.

Plan Disclaimer

In Nevada, the educational prerequisites for professional licensure in Psychiatric Mental Health Nurse Practitioner (PMHNP) are an active Nevada RN License, National Certification as a Psychiatric Mental Health Nurse Practitioner, and graduation from a nationally accredited Nursing Program with a minimum of 500+ hours of direct patient care. The Advanced Graduate Certificate in Psychiatric Mental Health Nurse Practitioner does NOT currently satisfy those licensure and certification requirements as this is a new program and a substantive program change form will be submitted to our accrediting body, the Commission of Collegiate Nursing Education (CCNE), when the program is implemented. In addition to Nevada, UNLV School of Nursing currently accepts applicants from Arizona, California, and Utah. UNLV School of Nursing has not made a determination with respect to the licensure requirements in any other state. As such, Advanced Graduate Certificate in Psychiatric

Mental Health Nurse Practitioner is not authorized in any other state in which the prospective or enrolled student resides. If you reside in a state other than Nevada or CCNE does not grant accreditation as anticipated, UNLV will refund the applicable application fee in accordance with its procedures. License requirements for other states are being explored. Please check the Graduate College Application Deadline page for current information about the Fall application.

Advanced Graduate Certificate in Psychiatric Mental Health Nurse Practitioner for the FNP

Plan Description

Individuals who already have a master's degree in nursing as a Family Nurse Practitioner and meet the admissions qualifications will be allowed to take courses towards the Post-Master's Advanced Graduate Certificate in Psychiatric Mental Health Nurse Practitioner for the FNP upon admissions into the program. A certificate will be awarded documenting completion of the coursework and transcripts will reflect courses taken.

For more information about your program, including your graduate program handbook and learning outcomes, please visit the Degrees Directory.

View Certificate Disclaimer.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

All applicants must review and follow the Graduate College Admission and Registration Requirements.

Students must apply and submit all admission materials via the Grad Rebel Gateway system available through the Graduate College. The following items are required:

1. Official transcripts of all course work for both baccalaureate and graduate degrees must be sent to the School of Nursing and Graduate College. Transcripts must show coursework in Advanced Physical Assessment, Advanced Pathophysiology, and Advanced Pharmacology and the Family Nurse Practitioner degree concentration. Additionally, if unofficial transcripts are available to the student, please upload to the Apply Yourself application. Nursing course work must have been completed at a nursing program accredited by the National League for Nursing Accrediting Commission or Commission on Collegiate Nursing Education.
2. Three letters of recommendation from either instructors or employers that speak to the applicant's potential to complete the Advanced Graduate Certificate in Psychiatric Mental Health Nurse Practitioner Program.

3. Statement of 300 words describing the students' professional goals and reason for seeking a nurse practitioner certificate.
4. Current resume or curriculum vitae (CV).
5. Current valid unencumbered and unrestricted RN license in state of residence.
6. Interviews may be required.

Students are accepted into a certificate program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

Total Credits Required: 21

Course Requirements

Required Courses – Credits: 21

- NURS 761 - Clinical Synthesis
- NURS 794 - Psychiatric Mental Health Nurse Practitioner I
- NURS 796 - Psychiatric Mental Health Nurse Practitioner II
- NURS 799 - Psychiatric Mental Health Nurse Practitioner III

Certificate Requirements

Completion of a minimum of 21 credit hours with a minimum GPA of 3.00.

Plan Certificate Completion Requirements

The student must submit all required forms to the Graduate College and then apply for graduation in MyUNLV by the appropriate deadline.

Plan Disclaimer

In Nevada, the educational prerequisites for professional licensure in Psychiatric Mental Health Nurse Practitioner (PMHNP) are an active Nevada RN License, National Certification as a Psychiatric Mental Health Nurse Practitioner, and graduation from a nationally accredited Nursing Program with a minimum of 500+ hours of direct patient care. The Advanced Graduate Certificate in Psychiatric Mental Health Nurse Practitioner does NOT currently satisfy those licensure and certification requirements as this is a new program and a substantive program change form will be submitted to our accrediting body, the Commission of Collegiate Nursing Education (CCNE), when the program is implemented. In addition to Nevada, UNLV School of Nursing currently accepts applicants from Arizona, California, and Utah. UNLV School of Nursing has not made a determination with respect to the licensure requirements in any other state. As such, Advanced Graduate Certificate in Psychiatric Mental Health Nurse Practitioner is not authorized in any other state in which the prospective or enrolled student resides. If you reside in a state other than Nevada or

CCNE does not grant accreditation as anticipated, UNLV will refund the applicable application fee in accordance with its procedures. License requirements for other states are being explored. Please check the Graduate College Application Deadline page for current information about the Spring application.

Post Graduate Certificate in Biobehavioral Nursing

Plan Description

The certificate in Biobehavioral Nursing will provide students with a foundation in biobehavioral research approaches and team science. Courses will prepare students using biological, behavioral, and associated factors which influence health and illness.

View Program Disclaimers.

For more information about your program, including your graduate program handbook and learning outcomes, please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

A terminal research degree in nursing or related field is required.

All applicants must review and follow the Graduate College Admission and Registration Requirements.

Students are accepted into a certificate program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

Total Credits Required: 12

Course Requirements

Required Courses – Credits: 12

- HSC 701 - Interdisciplinary Team Science
- NURS 739 - Biobehavioral Approaches in Nursing Research
- NURS 741 - Biobehavioral Mechanisms, Pathways, and Measurements
- NURS 747 - Introduction to Laboratory Procedures for Biobehavioral Studies
- NURS 798 - Independent Study

Plan Certificate Completion Requirements

The student must submit all required forms to the Graduate College and then apply for graduation in MyUNLV by the appropriate deadline.

Plan Disclaimers

This program does not result in licensure and certification.

Master of Science - Nursing

This program is accredited by: CCNE. More information can be found at: unlv.edu/provost/vpaa/accreditation

Plan Description

The Master of Science in Nursing (MSN) program currently offers three tracks: the Family Nurse Practitioner (FNP), the Psychiatric Mental Health Nurse Practitioner (PMHNP), and the Nurse Educator (NE). The roles of the FNP and PMHNP are that of direct care provider. FNP and PMHNPs practice in clinics, long-term care facilities, hospitals, physician offices, managed care corporations, and private industries. FNP and PMHNPs collect health histories and perform physical examinations, order and interpret diagnostic tests, diagnose and manage acute and chronic diseases, prescribe medications and treatments, refer to specialists as necessary, provide patient and family counseling and education regarding healthy lifestyle behaviors and self-care skills, and participate in research projects and integrate research findings. The FNP and PMHNP blend some aspects of medicine with nursing, using a holistic nursing perspective. Credentialing examinations, designed by specialty area, are available and required prior to practice in most states. Our FNP and PMHNP tracks offers courses with the option for full-time and part-time study.

The NE track prepares the graduate for a faculty position within a program of nursing or NE position in a clinical setting. The student will increase mastery related to teaching and learning and evaluation strategies, curriculum design, and the use of educational technologies. Via directed study and mentorship with experienced faculty, students will enhance clinical expertise in a selected specialty area. Graduate students will have the opportunity to supervise basic nursing students in clinical practice areas and/or work with NEs in clinical settings in the preparation, delivery and evaluation of educational programs for nurses. The NE track is a year-round program featuring full time and part time options for program completion.

Program Outcomes of the MSN Degree

Upon completion of the program the graduate will complete the following core outcomes:

1. Integrate scientific findings from health and educational fields to include but not limited to nursing, social sciences, and humanities.
2. Assimilate leadership at the organizational and systems level to advance safe high quality outcomes in clinical or educational settings.
3. Apply continuous quality improvement measures to achieve positive outcomes in clinical or educational settings.
4. Utilize a systematic, scholarly approach to translate, apply, and disseminate evidence based research in clinical or educational settings.

5. Incorporate health related technologies to deliver, coordinate care, and analyze data to improve outcomes.
6. Practice advocacy to improve education, the health of the public, and the profession of nursing.
7. Employ culturally appropriate skills in communicating and collaborating with interdisciplinary teams to achieve positive outcomes in clinical or educational settings.
8. Synthesize social, cultural, financial, legal, ethical, and political influences to advance nursing practice, healthcare, and education.
9. Model the professional role of an advanced practice nurse or nurse educator in daily practice.

Program Outcomes: Family Nurse Practitioner and Psychiatric Mental Health Nurse Practitioner Tracks

1. Competently assess, diagnose, prescribe, evaluate and create a holistic plan of treatment.
2. Articulate the professional role, which includes the ethical code of conduct and scope of advanced practice.
3. Develop and monitor comprehensive, holistic plans of care that address the health promotion and disease prevention needs of diverse client populations.
4. Assess and monitor teaching/learning needs in a diverse client population. Practice ethically in the conduct of research, management and clinical professional practice.

Program Outcomes: Nurse Educator Track

1. Utilize education research to continually improve teaching strategies/skills.
2. Develop a teaching-learning style that facilitates learner development that meets the educational outcomes of the learner.
3. Assess and evaluate at both the course and program level
4. Function as a leader and change agent in nursing education settings.
5. Participate in scholarship to further knowledge and abilities in nursing education.

View Subplan Disclaimers.

For more information about your program, including your graduate program handbook and learning outcomes please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

Students are admitted to the program in the fall semester

of each year based upon competitive selection. Selection is based on the applicant's qualifications (academic and professional,) the applicant's strengths, and the number of available openings.

Students make simultaneous application to the Graduate College and the School of Nursing.

Students may take the following courses as a non-degree seeking student. No more than nine credits of course work as a "non-degree seeking student will be accepted toward the MSN program. Taking the courses below does not guarantee admission into the MSN program.

- NURS 704 Advanced Pathophysiology and Genetics I, 3 credits
- NURS 719R Health & Public Policy for Advanced Practice of Nursing, 3 credits
- NURS 730 Advanced Pharmacology and Genetics II, 3 credits

UNLV School of Nursing will not accept more than six transfer credits from an outside institution which cannot be in addition to "non-degree seeking" credits. Students who are requesting to transfer credits from an outside institution will not receive credit for non-degree seeking courses.

Cumulative Grade Point Average (GPA) of 3.00 or a GPA of 3.00 in the last two years of undergraduate work. The undergraduate nursing course work must have been completed at a nursing program accredited by the National League for Nursing Accrediting Commission or Commission on Collegiate Nursing Education.

Completion of undergraduate courses in nursing research, physical assessment (as currently taught in the undergraduate program of nursing at UNLV), and a course in introductory statistics. These courses must have been completed with a grade of C or better. Students are expected to possess basic computer skills, including word processing. If not, the student should seek that content prior to enrollment.

1. Three letters of recommendation from former instructors or employers that speak to the applicant's potential to complete the graduate program must be submitted to the school. The evaluators should speak to the student's professional nursing competency, including application of theory, quality of patient care, independent judgment when appropriate; relationship with team members such as nurses, physicians, and others; leadership skills; and personal responsibility and accountability.
2. A current resumé or curriculum vita.
3. A statement of approximately 300 words describing the student's professional goals and reason for seeking graduate education.
4. Current, unrestricted, valid RN license in state of residence.

5. Have practiced as a baccalaureate-prepared registered nurse (RN) for a minimum of 2000 hours prior to beginning coursework for the MSN program.
6. Submit official transcripts for all previous college and professional schools to the Graduate College. Upload unofficial transcripts as part of the Graduate College application. If unofficial transcripts are unavailable, please request official transcripts be sent to the Graduate College.

Students seeking admission to the FNP and PMHNP tracks must submit a resume or vita that demonstrates a minimum of one-year clinical experience as a RN. It is recommended that the most recent years of practice be in the area directly related to the student's proposed pathway of study.

Students seeking admission into the NE track are required to have completed one year of clinical practice prior to enrollment in the first nursing education practicum course (NURS 733).

1. Accepted applicants must, prior to enrollment, show evidence of current health and malpractice insurance, proof of completion of the Hepatitis B Vaccine series, or a titer indicating presumptive immunity, proof of varicella or a titer indicating presumptive immunity, or a statement from a health care provider indicating that vaccination is contraindicated for health reasons and validation of a negative drug screen and background check. Other immunization and health data requirements are identified in the student handbook.

All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

See Subplan Requirements below.

Subplan 3: Psychiatric Mental Health Nurse Practitioner

Subplan 1 Requirements: Family Nurse Practitioner Track

Total Credits Required: 46

[View Subplan Disclaimer.](#)

Course Requirements

MSN Core – Credits: 18

- NURS 703 - Advanced Health Assessment
- NURS 704 - Advanced Pathophysiology and Genetics I
- NURS 706 - Nursing Theory and Research
- NURS 711 - Informatics and Quality Improvement
- NURS 719R - Health & Public Policy for Advanced

Practice of Nursing

- NURS 730 - Advanced Pharmacology and Genetics II
- MSN FNP Required Courses – Credits: 27
- NURS 701 - Diagnostic Reasoning and Clinical Decision Making for the APRN
- NURS 714 - Family Theory and Health Promotion
- NURS 740R - FNP Adult and Women's Health
- NURS 750R - FNP Children and OB
- NURS 752 - Nurse Practitioner Business and Roles
- NURS 760R - FNP Geriatric and Chronic Illness

Culminating Experience - Credits: 1

- NURS 761 - Clinical Synthesis

Degree Requirements

1. Maintain a cumulative grade point average of 3.00 or above each semester enrolled.
2. Receive a grade of B (3.00) or above in all required cognate and nursing courses. If less than a B, for example a B- (2.70), is earned, the course must be repeated. The student must be in good standing to repeat a course and any required course may be repeated only one time.
3. A student may register for a course only two times. A student who has registered for the same course twice and has withdrawn or received a grade less than B is ineligible for readmission unless approved by the UNLV Graduate College.
4. If a student fails two courses or has withdrawn from two courses or received a grade less than B in two courses he/she is ineligible for readmission unless approved by the Graduate College.
5. Complete a minimum of six semester hours in each calendar year.
6. Continuously register for a minimum of three (3) semester hours of credit each semester while working on the thesis or capstone project.
7. In order to maintain clinical competency the FNP student must continuously register for at least three (3) semester hours of NURS 773 (clinical practicum) each semester while working on a culminating project if all required clinical courses are complete.
8. UNLV School of Nursing will not accept more than six transfer credits from an outside institution. The MSN Coordinator and the Graduate College must approve transfer credit.
9. Credit by Challenge Examination: Graduate courses with a 700 number or above may not be challenged for credit.
10. Six-Year Completion Rule: All degree requirements must be completed within six calendar years from

the date of matriculation. No credit may be used in an advanced degree program for course work completed more than six calendar years immediately preceding the term in which all degree requirements are completed.

11. Graduation Requirements: Students have a choice of the catalog under which they wish to graduate. They may choose between: 1) the year of official matriculation, or 2) the year of graduation. Students are encouraged to meet the requirements of the current catalog.

Graduation Requirements

The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.

Subplan 2 Requirements: Nursing Education Track

Total Credits Required: 33

[View Subplan Disclaimers.](#)

Course Requirements

MSN Core – Credits: 18

- NURS 703 - Advanced Health Assessment
- NURS 704 - Advanced Pathophysiology and Genetics I
- NURS 706 - Nursing Theory and Research
- NURS 711 - Informatics and Quality Improvement
- NURS 719R - Health & Public Policy for Advanced Practice of Nursing
- NURS 730 - Advanced Pharmacology and Genetics II
- MSN EDU Required Courses – Credits: 14
- NURS 709 - Teaching and Learning in Nursing Education
- NURS 710 - Course Level Evaluation Strategies for Nurse Educators
- NURS 724 - Developing & Evaluating Curriculum for Nursing Education
- NURS 733 - Nursing Education Practicum I
- NURS 743 - Nursing Education Practicum 2

Culminating Experience – Credits: 1

- NURS 753 - Nurse Educator Scholarship Project

Degree Requirements

1. Maintain a cumulative grade point average of 3.00 or above each semester enrolled.
2. Receive a grade of B (3.00) or above in all required cognate and nursing courses. If less than a B, for example a B- (2.70), is earned, the course must be repeated. The student must be in good standing to repeat a course and any required course may be

repeated only one time.

- A student may register for a course only two times. A student who has registered for the same course twice and has withdrawn or received a grade less than B is ineligible for readmission unless approved by the UNLV Graduate College.
- If a student fails two courses or has withdrawn from two courses or received a grade less than B in two courses he/she is ineligible for readmission unless approved by the Graduate College.
- Complete a minimum of six semester hours in each calendar year.
- Continuously register for a minimum of three (3) semester hours of credit each semester while working on the thesis, professional paper, or research utilization project.
- In order to maintain clinical competency the FNP student must continuously register for at least three (3) semester hours of NURS 773 (clinical practicum) each semester while working on the thesis or capstone project if all required clinical courses are complete.
- UNLV School of Nursing will not accept more than six transfer credits from an outside institution. The MSN Coordinator and the Graduate College must approve transfer credit.
- Credit by Challenge Examination: Graduate courses with a 700 number or above may not be challenged for credit.
- Six-Year Completion Rule: All degree requirements must be completed within six calendar years from the date of matriculation. No credit may be used in an advanced degree program for course work completed more than six calendar years immediately preceding the term in which all degree requirements are completed.
- Graduation Requirements: Students have a choice of the catalog under which they wish to graduate. They may choose between: 1) the year of official matriculation, or 2) the year of graduation. Students are encouraged to meet the requirements of the current catalog.

Graduation Requirements

The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.

*Subplan 3 Requirements: Psychiatric
Mental Health Nurse Practitioner*

Total Credits Required: 46

View Subplan Disclaimer.

Course Requirements

MSN Core – Credits: 18

- NURS 703 - Advanced Health Assessment
- NURS 704 - Advanced Pathophysiology and Genetics I
- NURS 706 - Nursing Theory and Research
- NURS 711 - Informatics and Quality Improvement
- NURS 719R - Health & Public Policy for Advanced Practice of Nursing
- NURS 730 - Advanced Pharmacology and Genetics II
- MSN PMHNP Required Courses – Credits: 27
- NURS 701 - Diagnostic Reasoning and Clinical Decision Making for the APRN
- NURS 714 - Family Theory and Health Promotion
- NURS 752 - Nurse Practitioner Business and Roles
- NURS 794 - Psychiatric Mental Health Nurse Practitioner I
- NURS 796 - Psychiatric Mental Health Nurse Practitioner II
- NURS 799 - Psychiatric Mental Health Nurse Practitioner III

Culminating Experience - Credits: 1

- NURS 761 - Clinical Synthesis

Degree Requirements

1. Maintain a cumulative grade point average of 3.00 or above each semester enrolled.
2. Receive a grade of B (3.00) or above in all required cognate and nursing courses. If less than a B, for example, a B- (2.70), is earned, the course must be repeated. The student must be in good standing to repeat a course and any required course may be repeated only one time.
3. A student may register for a course only two times. A student who has registered for the same course twice and has withdrawn or received a grade less than B is ineligible for readmission unless approved by the UNLV Graduate College.
4. If a student fails two courses or has withdrawn from two courses or received a grade less than B in two courses he/she is ineligible for readmission unless approved by the Graduate College.
5. Complete a minimum of six semester hours in each calendar year.
6. Continuously register for a minimum of three (3) semester hours of credit each semester while working on the thesis or capstone project.
7. In order to maintain clinical competency the student must continuously register for at least three (3) semester hours of NURS 773 (clinical practicum) each semester while working on a culminating project if all required clinical courses are complete.

8. UNLV School of Nursing will not accept more than six transfer credits from an outside institution. The MSN Coordinator and the Graduate College must approve transfer credit.
9. Credit by Challenge Examination: Graduate courses with a 700 number or above may not be challenged for credit.
10. Six-Year Completion Rule: All degree requirements must be completed within six calendar years from the date of matriculation. No credit may be used in an advanced degree program for course work completed more than six calendar years immediately preceding the term in which all degree requirements are completed.
11. Graduation Requirements: Students have a choice of the catalog under which they wish to graduate. They may choose between: 1) the year of official matriculation, or 2) the year of graduation. Students are encouraged to meet the requirements of the current catalog.

Graduation Requirements

The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.

Plan Graduation Requirements

Refer to your subplan for Graduation Requirements.

Subplan 3: Psychiatric Mental Health Nurse Practitioner

Plan Disclaimers

- Subplan 1: Family Nurse Practitioner Track: In Nevada, the educational prerequisites for professional licensure or certification for the Master of Science in Nursing Family Nurse Practitioner (MSN Family Nurse Practitioner) are an active Nevada RN License, National Certification as a Family Nurse Practitioner, and graduation from a nationally accredited Nursing Program with a minimum of 500+ hours of direct patient care. The MSN Family Nurse Practitioner track does satisfy those licensure and certification requirements. However, UNLV School of Nursing has not made a determination with respect to the licensure requirements in any other state. As such, MSN Family Nurse Practitioner is not authorized in any other state in which the prospective or enrolled student resides. If you reside in a state other than Nevada, UNLV will refund the application fee in accordance with its procedures. License requirements for other states are being explored. Please check our website for current information about Fall 2019 application.
- Subplan 2: Nursing Education Track: This program does not result in licensure and certification.
- Subplan 3: Psychiatric Mental Health Nurse Practitioner Track: In Nevada, the educational prerequisites for professional licensure or certification for the Master

of Science - Nursing Psychiatric Mental Health Nurse Practitioner (MSN PMH Nurse Practitioner) are an active Nevada RN License, National Certification as a Psychiatric Mental Health Nurse Practitioner, and graduation from a nationally accredited Nursing Program with a minimum of 500+ hours of direct patient care. The MSN Psychiatric Mental Health Nurse Practitioner track does satisfy those licensure and certification requirements. However, UNLV School of Nursing has not made a determination with respect to the licensure requirements in any other state. As such, MSN Psychiatric Mental Health Nurse Practitioner is not authorized in any other state in which the prospective or enrolled student resides. If you reside in a state other than Nevada, UNLV will refund the application fee in accordance with its procedures. License requirements for other states are being explored. Please check our website for current information about Fall 2019 application.

Doctor of Nursing Practice

This program is accredited by: CCNE. More information can be found at: unlv.edu/provost/vpaa/accreditation

Plan Description

The Doctor of Nursing Practice (DNP) is a terminal professional practice degree. The goal of the DNP program is to prepare nurses to assume leadership roles in clinical practice, administration, and clinical research. The DNP differs from the PhD in Nursing or Doctor of Nursing Science degrees, emphasizing advanced clinical practice, implementation of best practices, and evaluation of practice and care delivery models rather than individually initiated research. The DNP program prepares graduates for advanced clinical practice and leadership roles to serve the health care needs of the people of Nevada, the nation, and the professional community. DNP graduates are equipped to assume a wide range of leadership roles in both direct and indirect health care settings. DNP graduates may function as specialists in their advanced practice clinical roles or as healthcare executives, program and policy analysts.

DNP Program Learning Outcomes:

The goal of the DNP degree is to prepare nurses to assume leadership roles in clinical practice and health care leadership and analysis. At the conclusion of the University of Nevada, Las Vegas, School of Nursing DNP program, graduates will:

1. Provide advanced nursing care to improve patient and population health care outcomes in various direct and indirect settings.
2. Take leadership roles in the analysis, delivery and management of nursing care and health care systems.
3. Provide evidence-based practice through the application of analytical methods, information systems

technology, and clinical research.

4. Collaborate with interprofessional teams to meet the healthcare needs of culturally and ethnically diverse individuals and populations.
5. Act as change agent, leader, and advocate in the design, implementation, and evaluation of health care policy as it affects populations and the nursing profession.

View Subplan Disclaimers.

For more information about your program, including your graduate program handbook and learning outcomes please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.

Post-Master's Tracks:

Advanced Practice Track:

1. Hold a baccalaureate degree in nursing from an accredited nursing program (Commission on Collegiate Nursing Education [CCNE], Accreditation Commission for Education in Nursing [ACEN], National League for Nursing [NLN] Commission for Nursing Education Accreditation [CNEA]).
2. Students must hold a master's degree in nursing (MSN or MN) from an accredited program. Exceptions to a master's degree in nursing will be made on a case-by-case basis and only for those students who hold a baccalaureate degree nursing with a master's degree in another health-related field (e.g., MPH, MHA, etc.).
3. Coursework from non-nursing master's degree must have significant content from nursing or a nursing focus. At a minimum, graduate-level coursework must demonstrate a substantial study of nursing theory, research, and health policy.
4. Generally, a minimum grade point average of 3.5 (on a 4.0 = A scale) earned in a nursing or health-related master's program of study is required. Students who graduated from accredited competency-based schools are advised to contact the Program Director for additional information. Have completed graduate-level course work with a grade of B or better in advanced pathophysiology, advanced pharmacology, advanced physical assessment, nursing theory, research, and healthcare policy.
5. Hold an unrestricted and unencumbered license as a registered nurse and as an advanced practice registered nurse (APRN) commensurate with state licensure.

6. Hold national certification in an advanced practice role from a nationally recognized certification/credentialing organization.
7. Interviews may be required.

Nurse Executive Track:

1. Hold a baccalaureate degree in nursing from an accredited nursing program (CCNE, ACEN, NLN CNEA).
2. Hold a master's degree in nursing (MSN or MN) from an accredited program. Exceptions to this will be made on a case-by-case basis and only for those students who hold a baccalaureate degree in nursing with a master's degree in another health-related field (i.e. MBA, MHA, MPH, etc.).
3. Coursework from non-nursing majors must have significant content from nursing or a nursing focus. At a minimum, graduate-level coursework must demonstrate a substantial study of nursing theory, research, and healthcare policy. Students who have not completed a graduate level course in healthcare policy must complete NURS 719R within the first year of study in the DNP program.
4. Generally, a minimum grade point average of 3.5 (on a 4.0 = A scale) earned in a nursing or health-related master's program of study is required. Students who graduated from accredited competency-based schools are advised to contact the Program Director for additional information.
5. Hold an unrestricted and unencumbered license as a registered nurse.

Provide documentation for one of the following:

1. National certification as a Nurse Executive through either the American Nurses Credentialing Center or the American Organization of Nurse Executives (AONE), or as a Certified Nurse Manager and Leader through AONE.
2. Students with any other advanced practice national certification are advised to contact the Program Director for information or minimum of 500 hours of academically supervised clinical practicum in master's degree program on leadership or management.

6. Interviews may be required.

BSN to DNP Tracks:

Family Nurse Practitioner, Psychiatric Mental Health Nurse Practitioner, and Nurse Executive Tracks:

1. Hold a baccalaureate degree in nursing from a nationally accredited nursing program (CCNE, ACEN, or NLN CNEA).
2. Generally, a minimum grade point average of 3.2 (on a 4.0 = A scale) earned in a baccalaureate nursing

degree is required. Students who graduated from accredited competency-based schools are advised to contact the Program Director for additional information.

3. Hold an unrestricted and unencumbered license as a registered nurse.
4. Have practiced as a baccalaureate prepared registered nurse for a minimum of one calendar year (2000 hours) prior to beginning coursework in the BSN to DNP program.
5. Interviews may be required.

Other Admission Information:

1. Three letters of professional recommendation from individuals who can evaluate the applicant's motivation, academic capability, advanced practice and/or leadership potential, and personal goals for study in a DNP program.

Letter of interest and Self-Presentation:

1. Professional goal statement (500 word maximum) describing career objectives and areas of interest in advanced practice or leadership roles. Include reasons for pursuing a doctor of nursing practice degree, specific interest in the University of Nevada, Las Vegas program, and past experiences and achievements in nursing practice, leadership, and scholarship.
2. Current resume or curriculum vita (CV).

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

See Subplan Requirements below.

Subplan 1: Post-Master's Advanced Practice Track

Subplan 2: BSN - DNP Family Nurse Practitioner Track (ON HOLD)

Subplan 3: Post-Master's Nurse Executive Track

Subplan 4: BSN - DNP Nurse Executive Track (ON HOLD)

Subplan 5: BSN to DNP Psychiatric Mental Health Nurse Practitioner Track (ON HOLD)

Subplan 1 Requirements: Post-Master's Advanced Practice Track

Total Credits Required: 31

[View Subplan Disclaimer.](#)

Course Requirements

Required Courses – Credits: 25

- NURS 708 - Analysis and Economics of Healthcare Systems and Delivery

- NURS 712 - Strategies for Management of Healthcare Systems and Performance Improvement
- NURS 715 - Business Management for Nurse Practitioners
- NURS 716 - Population Health: Analysis and Evaluation
- NURS 719R - Health & Public Policy for Advanced Practice of Nursing
- NURS 729R - Translational Evidence for Healthcare Systems
- NURS 765 - DNP Residency
- NURS 767 - Collaboration, Communication & Negotiation for the Nurse Leader
- NURS 768 - DNP Forum & Role Transformation

DNP Project – Credits: 6

- NURS 788 - DNP Project

Degree Requirements

1. Complete 31 credits with a minimum GPA of 3.00.
2. Maintain a cumulative grade point average of 3.00 or above each semester enrolled.
3. Receive a grade of "B" (3.00) or above in all required cognate and nursing courses. If less than a "B", for example a B- (2.7) is earned, the course must be repeated. The student must be in good standing to repeat a course and any required course may be repeated only one time.
4. A student may register for a course only two times. A student who has registered for the same course twice and has withdrawn or received a grade less than "B" is ineligible for readmission unless approved by the Graduate College.
5. If a student fails two courses or has withdrawn from two courses or received a grade less than "B" in two courses he/she is ineligible for readmission unless approved by the Graduate College.
6. Complete a minimum of six (6) semester hours in each calendar year.
7. Each student, upon admission, will be assigned an advisor. The advisor (and later the Advisory Committee including the chair of the Advisory committee if in place) will plan the student's entire degree program of study and submit it to the Graduate College by the end of the second semester of enrollment. The degree program requires the approvals of the student, advisor, Program Director, appropriate academic dean, and the Graduate Dean.
8. The Advisor monitors the student's progress through the program of study. In addition, the Program Director will monitor the student's progress, including adherence to all established policies of the Graduate College. At any given time, the student can request

a change of advisor or chair of Advisory Committee. However, it is the student's responsibility to secure approval of an individual faculty member who agrees to serve as his or her advisor before changing the original advisor, subject to Graduate College approval. Also, it is the student's responsibility to make sure that his or her chosen advisor or chair has current full graduate faculty status at UNLV, which can be checked at: <http://graduatecollege.unlv.edu/facstaff/status.html>.

9. Students will select a chair for their DNP Project committee in the first semester and be required to file the Committee Appointment Form with the Program Director when this is completed. More specific information about the DNP Project will be discussed in the courses it is embedded in the program.
10. In consultation with his/her advisor, a student will organize an advisory committee of at least two departmental members. In addition, a third member from outside the department, known as the Graduate College Representative, must be appointed. An additional committee member may be added at the student and department's discretion. Please see Graduate College policy for committee appointment guidelines.
11. Continuously register for three (3) semester hours of credit each semester while working on a DNP Project.
12. Once admitted to the DNP program, students will need to continue to take a minimum of 3 credits per semester for both fall and spring semesters to maintain their place in the program until graduation. A leave of absence may be requested by students. The DNP Project is a culmination project based on guidelines from the American Association of Colleges of Nursing (AACN) DNP Essentials. This is a project completed over at least three semesters in the program.
13. Students in the DNP program are required to abide by the policies for UNLV School of Nursing. Students in the DNP program are also required to abide by the policies of the UNLV Graduate College.

Graduation Requirements

See Plan Graduation Requirements below.

Subplan 2 Requirements: BSN to DNP Family Nurse Practitioner Track (ON HOLD)

Total Credits Required: 68

View Subplan Disclaimer.

Course Requirements

Required Courses – Credits: 62

- NURS 701 - Diagnostic Reasoning and Clinical Decision Making for the APRN
- NURS 703 - Advanced Health Assessment
- NURS 704 - Advanced Pathophysiology and Genetics

I

- NURS 706 - Nursing Theory and Research
- NURS 708 - Analysis and Economics of Healthcare Systems and Delivery
- NURS 711 - Informatics and Quality Improvement
- NURS 712 - Strategies for Management of Healthcare Systems and Performance Improvement
- NURS 714 - Family Theory and Health Promotion
- NURS 715 - Business Management for Nurse Practitioners
- NURS 716 - Population Health: Analysis and Evaluation
- NURS 719R - Health & Public Policy for Advanced Practice of Nursing
- NURS 729R - Translational Evidence for Healthcare Systems
- NURS 730 - Advanced Pharmacology and Genetics II
- NURS 740R - FNP Adult and Women's Health
- NURS 750R - FNP Children and OB
- NURS 760R - FNP Geriatric and Chronic Illness
- NURS 765 - DNP Residency
- NURS 767 - Collaboration, Communication & Negotiation for the Nurse Leader
- NURS 768 - DNP Forum & Role Transformation

DNP Project – Credits: 6

- NURS 788 - DNP Project
Students who wish to step out of the DNP program and receive a master's degree will be required to complete NURS 761, Clinical Synthesis, and some courses identified above as required.

Degree Requirements

1. Complete 68 credits with a minimum Grade Point Average (GPA) of 3.00.
2. Maintain a cumulative grade point average of 3.00 or above each semester enrolled.
3. Receive a grade of "B" (3.00) or above in all required cognate and nursing courses. If less than a "B", for example a B- (2.7) is earned, the course must be repeated. The student must be in good standing to repeat a course and any required course may be repeated only one time.
4. A student may register for a course only two times. A student who has registered for the same course twice and has withdrawn or received a grade less than "B" is ineligible for readmission unless approved by the Graduate College.
5. If a student fails two courses or has withdrawn from two courses or received a grade less than "B" in two

courses he/she is ineligible for readmission unless approved by the Graduate College.

6. Complete a minimum of six (6) semester hours in each calendar year.
7. Each student, upon admission, will be assigned an advisor. The advisor (and later the Advisory Committee including the chair of the Advisory committee if in place) will plan the student's entire degree program of study and submit it to the Graduate College by the end of the second semester of enrollment. The degree program requires the approvals of the student, advisor, Program Director, appropriate academic dean, and the Graduate Dean.
8. The Advisor monitors the student's progress through the program of study. In addition, the Program Director will monitor the student's progress, including adherence to all established policies of the Graduate College. At any given time, the student can request a change of advisor or chair of Advisory Committee. However, it is the student's responsibility to secure approval of an individual faculty member who agrees to serve as his or her advisor before changing the original advisor, subject to Graduate College approval. Also, it is the student's responsibility to make sure that his or her chosen advisor or chair has current full graduate faculty status at UNLV, which can be checked at: <http://graduatecollege.unlv.edu/facstaff/status.html>.
9. Students will select a chair for their DNP Project committee in the first semester and be required to file the Committee Appointment Form with the Program Director when this is completed. More specific information about the DNP Project will be discussed in the courses it is embedded in the program.
10. In consultation with his/her advisor, a student will organize an advisory committee of at least two departmental members. In addition, a third member from outside the department, known as the Graduate College Representative, must be appointed. An additional committee member may be added at the student and department's discretion. Please see Graduate College policy for committee appointment guidelines.
11. Continuously register for three (3) semester hours of credit each semester while working on a DNP Project.
12. Once admitted to the DNP program, students will need to continue to take a minimum of 3 credits per semester for both fall and spring semesters to maintain their place in the program until graduation. A leave of absence may be requested by students.
13. The DNP Project is a culmination project based on guidelines from the American Association of Colleges of Nursing (AACN) DNP Essentials. This is a project completed over at least three semesters in the program.

14. Students in the DNP program are required to abide by the policies for UNLV School of Nursing. Students in the DNP program are also required to abide by the policies of the UNLV Graduate College.

Graduation Requirements

See Plan Graduation Requirements below.

Subplan 3 Requirements: Post-Master's Nurse Executive Track (ON HOLD)

Total Credits Required: 32

View Subplan Disclaimers.

Course Requirements

Required Courses – Credits: 26

- NURS 718 - Organizational Management for the Advanced Practice Nurse
- NURS 726 - Healthcare Issues And The Law
- NURS 729R - Translational Evidence for Healthcare Systems
- NURS 735 - Healthcare Outcomes Management
- NURS 737 - Leadership in Organizations and Systems
- NURS 738 - Financial Theory and Budget Management in the Healthcare Setting
- NURS 765 - DNP Residency
- NURS 767 - Collaboration, Communication & Negotiation for the Nurse Leader
- NURS 768 - DNP Forum & Role Transformation

Cognate Elective (Focus depends on master's degree coursework)

DNP Project – Credits: 6

- NURS 788 - DNP Project

Degree Requirements

1. Complete 32 credits with a minimum GPA of 3.0.
2. Maintain a cumulative grade point average of 3.00 or above each semester enrolled.
3. Receive a grade of "B" (3.00) or above in all required cognate and nursing courses. If less than a "B", for example a B- (2.7) is earned, the course must be repeated. The student must be in good standing to repeat a course and any required course may be repeated only one time.
4. A student may register for a course only two times. A student who has registered for the same course twice and has withdrawn or received a grade less than "B" is ineligible for readmission unless approved by the Graduate College.
5. If a student fails two courses or has withdrawn from two courses or received a grade less than "B" in two

courses he/she is ineligible for readmission unless approved by the Graduate College.

6. Complete a minimum of six (6) semester hours in each calendar year.
7. Each student, upon admission, will be assigned an advisor. The advisor (and later the Advisory Committee including the chair of the Advisory committee, if in place) will plan the student's entire degree program of study and submit it to the Graduate College by the end of the second semester of enrollment. The degree program requires the approvals of the student, advisor, Program Director, appropriate academic dean, and the Graduate Dean.
8. The Advisor monitors the student's progress through the program of study. In addition, the Program Director will monitor the student's progress, including adherence to all established policies of the Graduate College. At any given time, the student can request a change of advisor or chair of Advisory Committee. However, it is the student's responsibility to secure approval of an individual faculty member who agrees to serve as his or her advisor before changing the original advisor, subject to Graduate College approval. Also, it is the student's responsibility to make sure that his or her chosen advisor or chair has current full graduate faculty status at UNLV, which can be checked at: <http://graduatecollege.unlv.edu/facstaff/status.html>.
9. Students will select a chair for their DNP Project committee in the first semester and be required to file the Committee Appointment Form with the Program Director when this is completed. More specific information about the DNP Project will be discussed in the courses it is embedded in the program.
10. In consultation with his/her advisor, a student will organize an advisory committee of at least two School of Nursing members. In addition, a third member from outside the School of Nursing, known as the Graduate College Representative, must be appointed. An additional committee member may be added at the student or School of Nursing's discretion. Please see Graduate College policy for committee appointment guidelines.
11. Continuously register for three semester hours of credit each semester while working on a DNP Project.
12. Once admitted, students will need to continue to take a minimum of three credits per semester for both fall and spring semesters to maintain their place in the program until graduation. A leave of absence may be requested by students.
13. The DNP Project is a culmination project based on guidelines from the American Association of Colleges of Nursing (AACN) DNP Essentials. This is a project completed over at least three semesters in the program.

14. Students in the DNP program are required to abide by the policies for UNLV School of Nursing and are also required to abide by the policies of the UNLV Graduate College.

Graduation Requirements

See Plan Graduation Requirements below.

Subplan 4 Requirements: BSN to DNP Nurse Executive Track

Total Credits Required: 60

[View Subplan Disclaimer.](#)

Course Requirements

Required Courses – Credits: 54

- NURS 706 - Nursing Theory and Research
- NURS 708 - Analysis and Economics of Healthcare Systems and Delivery
- NURS 711 - Informatics and Quality Improvement
- NURS 712 - Strategies for Management of Healthcare Systems and Performance Improvement
- NURS 716 - Population Health: Analysis and Evaluation
- NURS 718 - Organizational Management for the Advanced Practice Nurse
- NURS 719R - Health & Public Policy for Advanced Practice of Nursing
- NURS 726 - Healthcare Issues And The Law
- NURS 729R - Translational Evidence for Healthcare Systems
- NURS 735 - Healthcare Outcomes Management
- NURS 736 - Innovations in Communication: Scholarly Writing
- NURS 737 - Leadership in Organizations and Systems
- NURS 738 - Financial Theory and Budget Management in the Healthcare Setting
- NURS 754 - NE Practicum I: Organizations as Complex Systems
- NURS 756 - NE Practicum II: Organizational Transformation
- NURS 757 - NE Practicum III: Executive Leadership
- NURS 765 - DNP Residency
- NURS 767 - Collaboration, Communication & Negotiation for the Nurse Leader
- NURS 768 - DNP Forum & Role Transformation
- NURS 772 - The Nurse as Leader

DNP Project – Credits: 6

- NURS 788 - DNP Project

Degree Requirements

1. Complete 60 credits with a minimum Grade Point Average (GPA) of 3.00.
2. Maintain a cumulative GPA of 3.00 or above each semester enrolled.
3. Receive a grade of “B” (3.00) or above in all required cognate and nursing courses. If less than a “B”, for example a B- (2.7) is earned, the course must be repeated. The student must be in good standing to repeat a course and any required course may be repeated only one time.
4. A student may register for a course only two times. A student who has registered for the same course twice and has withdrawn or received a grade less than “B” is ineligible for readmission unless approved by the Graduate College.
5. If a student fails two courses or has withdrawn from two courses or received a grade less than “B” in two courses he/she is ineligible for readmission unless approved by the Graduate College.
6. Complete a minimum of six (6) semester hours in each calendar year.
7. Each student, upon admission, will be assigned an advisor. The advisor (and later the Advisory Committee including the chair of the Advisory committee, if in place) will plan the student’s entire degree program of study and submit it to the Graduate College by the end of the second semester of enrollment. The degree program requires the approvals of the student, advisor, Program Director, appropriate academic dean, and the Graduate Dean.
8. The Advisor monitors the student’s progress through the program of study. In addition, the Program Director will monitor the student’s progress, including adherence to all established policies of the Graduate College. At any given time, the student can request a change of advisor or chair of Advisory Committee. However, it is the student’s responsibility to secure approval of an individual faculty member who agrees to serve as his or her advisor before changing the original advisor, subject to Graduate College approval. Also, it is the student’s responsibility to make sure that his or her chosen advisor or chair has current full graduate faculty status at UNLV, which can be checked at <http://graduatecollege.unlv.edu/facstaff/status.html>.
9. Students will select a chair for their DNP Project committee in the first semester and be required to file the Committee Appointment Form with the Program Director when this is completed. More specific information about the DNP Project will be discussed in the courses it is embedded in the program.

10. In consultation with his/her advisor, a student will organize an advisory committee of at least two departmental members. In addition, a third member from outside the department, known as the graduate College Representative, must be appointed. An additional committee member may be added at the student and department’s discretion. Please see Graduate College policy for committee appointment guidelines.
11. Continuously register for three semester hours of credit each semester while working on a DNP Project.
12. Once admitted, students will need to continue to take a minimum of 3 credits per semester for both fall and spring semesters to maintain their place in the program until graduation. A leave of absence may be requested by students.
13. The DNP Project is a culmination project based on guidelines from the American Association of Colleges of Nursing (AACN) DNP essentials. This is a project completed over at least 3 semesters in the program.
14. Students in the DNP program are required to abide by the policies for UNLV School of Nursing and are also required to abide by the policies of the UNLV Graduate College.

Graduation Requirements

See Plan Graduation Requirements below.

Subplan 5 Requirements: BSN to DNP Psychiatric Mental Health Nurse Practitioner Track (ON HOLD)

Total Credits Required: 68

[View Subplan Disclaimer.](#)

Course Requirements

Required Courses – Credits: 62

- NURS 701 - Diagnostic Reasoning and Clinical Decision Making for the APRN
- NURS 703 - Advanced Health Assessment
- NURS 704 - Advanced Pathophysiology and Genetics I
- NURS 706 - Nursing Theory and Research
- NURS 708 - Analysis and Economics of Healthcare Systems and Delivery
- NURS 711 - Informatics and Quality Improvement
- NURS 712 - Strategies for Management of Healthcare Systems and Performance Improvement
- NURS 714 - Family Theory and Health Promotion
- NURS 715 - Business Management for Nurse Practitioners
- NURS 716 - Population Health: Analysis and Evaluation
- NURS 719R - Health & Public Policy for Advanced

Practice of Nursing

- NURS 729R - Translational Evidence for Healthcare Systems
- NURS 730 - Advanced Pharmacology and Genetics II
- NURS 765 - DNP Residency
- NURS 767 - Collaboration, Communication & Negotiation for the Nurse Leader
- NURS 768 - DNP Forum & Role Transformation
- NURS 794 - Psychiatric Mental Health Nurse Practitioner I
- NURS 796 - Psychiatric Mental Health Nurse Practitioner II
- NURS 799 - Psychiatric Mental Health Nurse Practitioner III

DNP Project – Credits: 6

Students who wish to step out of the DNP program and receive a master's degree will be required to complete NURS 761. Clinical Synthesis and some courses identified above as required will not be completed.

- NURS 788 - DNP Project

Degree Requirements

1. Complete 68 credits with a minimum Grade Point Average (GPA) of 3.00.
2. Maintain a cumulative grade point average of 3.00 or above each semester enrolled.
3. Receive a grade of "B" (3.00) or above in all required cognate and nursing courses. If less than a "B", for example a B- (2.7) is earned, the course must be repeated. The student must be in good standing to repeat a course and any required course may be repeated only one time.
4. A student may register for a course only two times. A student who has registered for the same course twice and has withdrawn or received a grade less than "B" is ineligible for readmission unless approved by the Graduate College.
5. If a student fails two courses or has withdrawn from two courses or received a grade less than "B" in two courses he/she is ineligible for readmission unless approved by the Graduate College.
6. Complete a minimum of six (6) semester hours in each calendar year.
7. Each student, upon admission, will be assigned an advisor. The advisor (and later the Advisory Committee including the chair of the Advisory committee if in place) will plan the student's entire degree program of study and submit it to the Graduate College by the end of the second semester of enrollment. The degree program requires the approvals of the student, advisor, and the DNP Coordinator, the appropriate

academic dean, and the Graduate Dean.

8. The Advisor monitors the student's progress through the program of study. In addition, the DNP Coordinator will monitor the student's progress, including adherence to all established policies of the Graduate College. At any given time, the student can request a change of advisor or chair of Advisory Committee. However, it is the student's responsibility to secure approval of an individual faculty member who agrees to serve as his or her advisor before changing the original advisor, subject to Graduate College approval. Also, it is the student's responsibility to make sure that his or her chosen advisor or chair has current graduate faculty status at UNLV, which can be checked at: <http://graduatecollege.unlv.edu/facstaff/status.html>.
9. Students will select a chair for their DNP Project committee in the first semester and be required to file the Committee Appointment Form with the DNP coordinator when this is completed. More specific information about the DNP Project will be discussed in the courses it is embedded in the program.
10. In consultation with his/her advisor, a student will organize an advisory committee of at least two departmental members. In addition, a third member from outside the department, known as the Graduate College Representative, must be appointed. An additional committee member may be added at the student and department's discretion. Please see Graduate College policy for committee appointment guidelines.
11. Continuously register for three (3) semester hours of credit each semester while working on a DNP Project.
12. Once admitted to the DNP program, students will need to continue to take a minimum of 3 credits per semester for both fall and spring semesters to maintain their place in the program until graduation. A leave of absence may be requested by students.
13. The DNP Project is a culmination project based on guidelines from the American Association of Colleges of Nursing (AACN) DNP Essentials. This is a project completed over three semesters in the program.
14. Students in the DNP program are required to abide by the policies for UNLV School of Nursing. Students in the DNP program are also required to abide by the policies of the UNLV Graduate College.

Graduation Requirements

See Plan Graduation Requirements below.

Plan Graduation Requirements

Submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements. The student must submit and successfully defend his/her DNP Project

by the posted deadline. The defense must be advertised and is open to the public. The student must electronically submit a properly formatted pdf copy of their project to the Graduate College for format check. Once the project format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for project defenses, format check submissions, and the final ProQuest submission can be found here.

Plan Disclaimers

Subplan 1: Post-Master's Advanced Practice Track: This program does not result in licensure and certification.

Subplan 2: In Nevada, the educational prerequisites for professional licensure or certification for the BSN to DNP Advanced Practice Track (DNP) Family Nurse Practitioner (FNP) are an active Nevada RN License, National Certification as a Family Nurse Practitioner, and graduation from a nationally accredited Nursing Program with a minimum of 500+ hours of direct patient care. The DNP track is accredited by the Commission of Collegiate Nursing Education (CCNE). UNLV School of Nursing has not made a determination with respect to the licensure requirements in any other state. As such, DNP Advanced Practice Family Nurse Practitioner may not be authorized in any other state in which the prospective or enrolled student resides. If you reside in a state other than Nevada where licensure requirements are still unclear, UNLV will refund the applicable application fee in accordance with its procedures. License requirements for other states are being explored.

Subplan 3: Post-Master's Nurse Executive Track: This program does not result in licensure and certification.

Subplan 4: BSN to DNP Nurse Executive Track: This program does not result in licensure and certification.

Doctor of Philosophy - Nursing

Plan Description

Individuals who complete the Ph.D. in Nursing Program will be prepared to advance nursing science and practice through rigorous research, evidence-based education, and dynamic leadership.

Graduates will demonstrate the following program outcomes:

- Provide leadership in the advancement of nursing as a scientific and practice discipline through the conduct of culturally competent scholarship and identification of implications for policy, the discipline, and the profession.
- Conduct and communicate original research that generates new knowledge.
- Develop, implement and evaluate innovative approaches to teaching and learning.

Course Offerings:

Doctoral courses offered by the School of Nursing are web-based. However, students are required to attend an on-campus orientation prior to the first semester of enrollment. These meeting times and dates are set in advance to allow students adequate time to make appropriate plans. Students are also required to be on campus for their oral comprehensive exams, proposal defense, and final dissertation defense.

Programs of Study:

There are three options in the current Ph.D. in Nursing Program:

- Nursing Education Track
- Post-MSN-Nursing Education Accelerated Degree Track
- Post-D.N.P. to Ph.D. Track

The UNLV School of Nursing (SON) Ph.D. in Nursing Curriculum Framework outlines the shared required core courses in the Ph.D. Nursing Program.

View Program Disclaimers.

For more information about your program, including your graduate program handbook and learning outcomes please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

Admission into the nursing doctoral program is contingent upon the qualifications of the applicant and the availability of open positions. Students are admitted once a year in the fall. Applicants must have submitted all required materials by the deadline posted on the School of Nursing website.

All applicants must provide the following:

1. Generally, a minimum grade point average of 3.5 (on a 4.0 = A scale) earned in a nursing or health-related master's program of study is required. Students who graduated from accredited competency-based schools are advised to contact the Program Director for additional information.
2. Successful completion within the last 5 years of graduate course work or equivalent in statistics with a B or better.
3. Current unencumbered and unrestricted license as a Registered Nurse in at least one state or territory of the US.
4. Applicants must present GRE scores on verbal, quantitative and analytic measures. The exam must have been taken within the last five years. Post DNP applicants are exempt from this requirement.

5. Three letters of recommendation are required from individuals who can evaluate the applicant's motivation, academic capability, scholarship potential, and personal integrity for doctoral study in nursing.
6. Evidence of current health and malpractice insurance. Accepted applicants must, prior to enrollment, show proof of completion of the Hepatitis B vaccine series, a titer indicating presumptive immunity, or a statement from a health care provider indicating that vaccination is contraindicated for health reasons and validation of a negative drug screen. Other immunization and health data requirements are identified in the student handbook.
7. Two representative samples of scholarly work (e.g., thesis, demonstration project, publications, etc.).
8. Written statement of personal career, educational and scholarship goals including identification of research interests. Statement should include description of how the applicant's research goals align with specific faculty programs of research.
9. Curriculum Vita or resume.
10. Applicants are required to participate in an interview with members of the Admissions Committee, either in person, video conference, or by telephone.

Post-D.N.P. to Ph.D. Track applicants must also submit: Evidence of an earned Doctorate in Nursing Practice degree from a program accredited by the Commission on Collegiate Nursing Education (CCNE), the National League for Nursing (NLN) Commission for Nursing Education Accreditation (CNEA), or the Accreditation Commission for Education in Nursing (ACEN) is required. In addition to the required courses below, students must have 17 units from an accredited DNP program.

Nursing Education or Post-MSN-Nursing Education Accelerated Degree Track applicants must also submit: Earned master's degrees in nursing (MSN) require programs accredited by CCNE, NLN CNEA, or ACEN; persons educated outside the United States need to demonstrate proof of equivalent education and advanced degrees.

Persons holding a bachelor's degree in nursing and master's degree in a health-related discipline from an accredited institution are eligible for admission but will need to successfully complete graduate level courses in health and public policy and nursing theory.

Post-MSN-Nursing Education Accelerated Degree Track applicants must also submit: Upon approval of all the previous requirements, applicants who completed NURS 709, 710, 724, and 733 or equivalent course work during either their masters' or postmasters' education are eligible to apply for the Post-MSN-Nursing Education Degree Track

All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

See Subplan Requirements below.

Subplan 1: Nursing Education Track

Subplan 2: Post-MSN-Nursing Education Accelerated Degree Track

Subplan 3: Post-D.N.P. to Ph.D. Track

Subplan 1 Requirements: Nursing Education Track

Total Credits Required: 62

[View Subplan Disclaimers](#)

Course Requirements

Core Courses – Credits: 33

- NURS 770 - Knowledge Development in Nursing
- NURS 771 - Theory Development in Nursing
- NURS 772 - The Nurse as Leader
- NURS 775 - Statistical Methods for Nursing Research I: Univariate Methods
- NURS 776 - Statistical Methods for Nursing Research II: Multivariate Methods
- NURS 779 - Writing a Research Grant Application
- NURS 780 - Quantitative Research Methods in Nursing
- NURS 781 - Qualitative Research Methods in Nursing
- NURS 785 - Special Topics in Nursing Research
- NURS 789 - Independent Study
- NURS 748 - Interdisciplinary Team Science

Nursing Education Courses – Credits: 17

- NURS 709 - Teaching and Learning in Nursing Education
- NURS 710 - Course Level Evaluation Strategies for Nurse Educators
- NURS 724 - Developing & Evaluating Curriculum for Nursing Education
- NURS 733 - Nursing Education Practicum I
- NURS 774 - Educational Theory and Philosophy for Nursing
- NURS 790 - Independent Teaching Practicum Seminar
- NURS 791 - Independent Teaching Practicum

Dissertation – Credits: 12

- NURS 797 - Dissertation

Degree Requirements

See Plan Degree Requirements below.

Graduation Requirements

See Plan Graduation Requirements below.

Subplan 2 Requirements: Post-MSN-Nursing Education Accelerated Degree Track

Total Credits Required: 50

[View Subplan Disclaimers](#)

Course Requirements

Core Courses - Credits: 33

- NURS 748 - Interdisciplinary Team Science
- NURS 770 - Knowledge Development in Nursing
- NURS 771 - Theory Development in Nursing
- NURS 772 - The Nurse as Leader
- NURS 775 - Statistical Methods for Nursing Research I: Univariate Methods
- NURS 776 - Statistical Methods for Nursing Research II: Multivariate Methods
- NURS 779 - Writing a Research Grant Application
- NURS 780 - Quantitative Research Methods in Nursing
- NURS 781 - Qualitative Research Methods in Nursing
- NURS 785 - Special Topics in Nursing Research
- NURS 789 - Independent Study
- Nursing Education Courses - Credits: 5
- NURS 774 - Educational Theory and Philosophy for Nursing
- NURS 790 - Independent Teaching Practicum Seminar
- NURS 791 - Independent Teaching Practicum

Dissertation - Credits: 12

- NURS 797 - Dissertation

Degree Requirements

See Plan Degree Requirements below.

Graduation Requirements

See Plan Degree Requirements below.

- Subplan 3 Requirements: Post-D.N.P. to Ph.D. Track

Total Credits Required: 45

[View Subplan Disclaimers](#)

Course Requirements

Core Courses – Credits: 33

- NURS 770 - Knowledge Development in Nursing
- NURS 771 - Theory Development in Nursing
- NURS 775 - Statistical Methods for Nursing Research I: Univariate Methods
- NURS 776 - Statistical Methods for Nursing Research II: Multivariate Methods
- NURS 777 - Individualized Study/Dissertation Seminar
- NURS 779 - Writing a Research Grant Application
- NURS 780 - Quantitative Research Methods in Nursing
- NURS 781 - Qualitative Research Methods in Nursing
- NURS 785 - Special Topics in Nursing Research
- NURS 789 - Independent Study

Dissertation – Credits: 12

- NURS 797 - Dissertation

Degree Requirements

See Plan Degree Requirements below.

Graduation Requirements

See Plan Graduation Requirements below.

Plan Degree Requirements

Complete the minimum credits required.

A grade point average of 3.0 must be maintained in all courses required for the degree; no grade less than B is acceptable for curricular completion of the program.

Upon admission, each student will be assigned to the Ph.D. coordinator as their initial academic advisor who will plan the student's entire program of study. Approved courses will include those taught in other disciplines but must relate to the student's area of research.

After the student has selected a research topic, the student will select an advisor based on research focus and needs. Upon student recommendation, faculty acceptance, and approval from both the Ph.D. Coordinator and the Graduate College, the advisor will be changed.

In consultation with his/her advisor, the student will organize a dissertation committee of at least three departmental members. In addition, a fourth member from outside the department, known as the Graduate College Representative, must be appointed. An additional committee member may be added at the student and department's discretion. Please see Graduate College policy for committee appointment guidelines.

Upon completion of all required course work other than dissertation and research seminar, each student must take a written and oral Comprehensive Examination that will assess a doctoral student's readiness to begin the doctoral dissertation. Specifically, the examination

will evaluate a student's written and oral articulation of a possible dissertation research focus or problem. Upon successful completion of the comprehensive exam, the student achieves candidacy and may register for dissertation credits and begin dissertation proposal development followed by independent dissertation study. Students who do not successfully complete the exam will be placed on academic probation. Failure to successfully complete the exam or meet the requirements of academic probation will result in separation.

Upon successfully completing the comprehensive examination, the student submits a dissertation prospectus to his/her committee for approval. After approval, the student submits a "Prospectus Approval Form" to the Graduate College. The student's major advisor and dissertation committee are responsible for the student's progression through the dissertation.

Upon completion of the dissertation, the student must pass a final oral examination which involves the successful defense of the dissertation study. All dissertation committee members must be present for this examination and may question the student following presentation of the study. The defense will be scheduled and conducted in accordance with the Graduate College's policies for dissertation completion.

Plan Graduation Requirements

The student must submit all required forms to the Graduate College and then apply for graduation according to the timeline established by the Graduate College.

The student must submit and successfully defend his/her dissertation by the posted deadline. The defense must be advertised and is open to the public.

After the dissertation defense, the student must electronically submit a properly formatted pdf copy of their dissertation to the Graduate College for format check. Once the dissertation format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for dissertation defenses, format check submissions, and the final ProQuest submission can be found here.

Plan Disclaimers

Subplan 1: Nursing Education Track: This program does not result in licensure and certification.

Subplan 2: Post-MSN-Nursing Education Accelerated Degree Track: This program does not result in licensure and certification.

Subplan 3: Post-D.N.P. to Ph.D. Track: This program does not result in licensure and certification.

School of Nursing Courses

NURS 501 - Critical Care Nursing Credits 6

This course provides RNs a beginning understanding of Critical Care Nursing and the knowledge required within this role. The student will be prepared to work in critical care settings, including ICU, CCU, Recovery Room or the Emergency Room. The course is composed of online didactic content, laboratory skills practice, simulation experience and clinical internship.

NURS 701 - Diagnostic Reasoning and Clinical Decision Making for the APRN Credits 2

Application of principles learned in advanced health assessment by reinforcing diagnostic reasoning skills needed to assess and manage acute and chronically ill patients across the lifespan. Theory will include evaluation of case studies to develop differential diagnoses. 45 hours of clinical practice in simulation lab for practical application. Same as No Corequisite: NURS 703 or Department consent

NURS 703 - Advanced Health Assessment. Credits 3

This course will build upon health assessment skills developed in the nursing undergraduate program. Emphasis will include developing advanced techniques in history taking and physical examination to prepare students for roles having components of direct care practices. Prerequisites: Admission to Graduate Program or consent of MSN Program Coordinator.

NURS 704 - Advanced Pathophysiology and Genetics I Credits 3

Emphasis on physiologic mechanisms and pathophysiology of disease from a cellular perspective to include growth and development through the life span. Focus on genomics in basic and molecular concepts in biology, human diversity and variation, genetic disorders, influences on chromosome, gene action and inheritance modes. Prerequisites: Admission to Graduate Program or consent of MSN Program Coordinator.

NURS 706 - Nursing Theory and Research Credits 3

This course is designed to explore historical, philosophical, and bio-psychosocial foundations of advanced nursing practice. Nursing philosophy, theory, research, and practice will be analyzed. Evidence Based Practice will be explored; concept analysis, qualitative and quantitative research, and application of evidence based practice in theoretical and clinical application. Prerequisites: Admission to Graduate Program or consent of MSN Program Coordinator.

NURS 708 - Analysis and Economics of Healthcare Systems and Delivery Credits 3

Focus on the role of advanced practice nurses in the analysis and economics of healthcare systems and healthcare delivery. Emphasis will be placed on research and knowledge of the impact of economic, socio-political, ethical, and other forces on the economics and delivery of and access to healthcare. Prerequisites: Admission to DNP program and consent of instructor.

NURS 709 - Teaching and Learning in Nursing Education Credits 3

Analyzes traditional and alternative teaching and learning concepts in the context of the role of nurse educator. Development of a personal philosophy of education and how it connects to teaching/learning expectations. Focus on development of self within the role of nurse educator. Prerequisites: Admission into graduate program or consent of appropriate program coordinator (MSN or PhD)

NURS 710 - Course Level Evaluation Strategies for Nurse Educators Credits 3

Develops formative/process and summative/outcome evaluations for learning within classroom, clinical, and laboratory settings for use with students, patients or clinical staff. Attention to legal/ethical issues related to evaluation, including cultural bias and accommodation for students with disabilities. Prerequisites: Admission to Graduate Program or permission of appropriate program coordinator (MSN or PhD)

NURS 711 - Informatics and Quality Improvement Credits 3

Introduces informatics theory and application of quality and safety practices focusing on the impact of informatics on nursing education, healthcare, improving outcomes, and providing cost-effective health care. Prerequisites: NURS 706

NURS 712 - Strategies for Management of Healthcare Systems and Performance Improvement Credits 3

Focus will be on the analysis of theories and research on individual and organizational change, including incremental and transformational change. Utilization and integration of information and communication theories and technology to improve human performance will also be discussed. Prerequisites: Admission to DNP program, consent of instructor and NURS 708, NURS 711, NURS 719R.

NURS 713 - Health Policy and Population Health Credits 3

Examines selected health problems for specific populations from a political, cultural, social, educational, environmental, economic and ethical perspective. Analysis of research and public policy relevant to the prevention, treatment and amelioration of the problems, initiate change strategies to impact public policy related to the selected problems. Prerequisites: Admission to Graduate Program or consent of MSN Program Coordinator.

NURS 714 - Family Theory and Health Promotion Credits 2

Focus on family systems, theories in the context of society and culture. Emphasis on family as a client in holistic assessment and health promotion across the lifespan. Prerequisites: Admission to Graduate Program or consent of MSN Program Coordinator.

NURS 715 - Business Management for Nurse Practitioners Credits 2

Focus is on issues surrounding human and material resource management in an advanced practice setting. The student applies knowledge of health care delivery environments and institutional requirements to explore issues regarding personnel and budgetary management. Prerequisites: Admission to DNP Program and consent of instructor.

NURS 716 - Population Health: Analysis and Evaluation Credits 3

Prepares students to utilize epidemiology and advanced practice nursing concepts and strategies in the analysis and evaluation of health problems of groups that may be encountered by the nurse practitioner. Prerequisites: Admission to DNP Program, consent of instructor, and NURS 706, NURS 719R, NURS 729R.

NURS 717 - The Accreditation Process Credits 1

Prepares the student to recognize assessment, data collection, and documentation requirements in preparation for a nursing education program's accreditation and contribute to writing a self-study report for an accreditation site visit. Prerequisites: Admission to DNP Program, consent of instructor, and NURS 706, NURS 724

NURS 718 - Organizational Management for the Advanced Practice Nurse Credits 3

Focuses on quality care by advanced practice nurses in a variety of health institutions. Explores advanced nursing practice issues for their organizational factors, reviews methods of assessing clinical outcomes, and explores the relationship of quality care with values, ethics, and models of care. Prerequisites: Admission to DNP Program, consent of instructor, NURS 706 and NURS 708.

NURS 719R - Health & Public Policy for Advanced Practice of Nursing Credits 3

Prepares nursing leaders to analyze and influence health policy. Defines problems, critiques potential solutions, assesses political influences, designs interventions for policy-making, and evaluates outcomes. Grading Letter grade Prerequisites: Admission to the MSN or DNP Program or permission of instructor.

NURS 721 - Principles and Strategies for Clinical Supervision in Nursing Credits 3

Prepares the student to apply nursing education and clinical supervision concepts and strategies to the clinical supervision of undergraduate and graduate nursing students in a variety of healthcare settings. Prerequisites: Admission to DNP Program, consent of instructor and NURS 703, NURS 706, NURS 709, NURS 724, NURS 729R, NURS 730.

NURS 724 - Developing & Evaluating Curriculum for Nursing Education Credits 4

Develop curriculum for educational programs within the context of academic or clinical settings. Design curriculum level evaluation of the program that is developed. Focus on connection to larger unit mission, program and level outcomes, use of evaluative theories to guide process and inclusion of stakeholders throughout. Prerequisites: NURS 710 or admission to graduate program or consent of appropriate program coordinator (MSN/PhD).

NURS 726 - Healthcare Issues And The Law Credits 2

This course will focus on healthcare, governmental, and legal issues and principles as applicable to the role of the nurse executive in complex healthcare environments. Topics of emphasis include patient and employee rights, labor relations, HIPAA, and documentation and reporting requirements for nurses. Prerequisites: Admission to the DNP Program or consent of instructor.

NURS 728R - Analysis of Health Organizations Credits 2

An introduction to the analysis of the health/human service organization as a particular type of complex organization. Prerequisites: Admission to the DNP Program or permission of instructor.

NURS 729R - Translational Evidence for Healthcare Systems Credits 3

Critical analysis and synthesis of the literature and available data to determine and implement evidence-based science into healthcare practice. Grading Letter grade Prerequisites: Acceptance to DNP program or permission of instructor.

NURS 730 - Advanced Pharmacology and Genetics II Credits 3

Focuses on the clinical application of pharmacologic and pharmacy kinetics principles in the management of selected health problems of adults and children. Focus on drugs commonly

used for adults and children in primary care settings. Focus on application of pharmacogenomics and pharmacogenetics to pharmacology. Prerequisites: NURS 704

NURS 733 - Nursing Education Practicum I Credits 2
Applies strategies and concepts of the nurse educator role in clinical or classroom setting in area of clinical specialty. Prerequisites: NURS 709, NURS 710, and NURS 724.

NURS 735 - Healthcare Outcomes Management Credits 2
Nurse Executive's management principles directed at improving direct and indirect patient care outcomes are explored. Emphases will include principles of strategic planning and quality improvement, costs, access and quality, information technology, and management of human resources. Emerging issues in healthcare management and best practice guidelines will also be addressed. Prerequisites: Admission to the DNP Program or consent of instructor.

NURS 736 - Innovations in Communication: Scholarly Writing Credits 1
Apply principles of scholarly and technical writing to document preparation required of nurse executives for use in healthcare, governmental, policy, accreditation, and educational agencies and situations. Prerequisites: Admission to the DNP Program or consent of instructor.

NURS 737 - Leadership in Organizations and Systems Credits 2
Principles of organizational behavior for the nurse executive are emphasized. Topics include attitudes and perceptions, workplace communication, theories and strategies of motivation, trait and behavioral theories of leadership, group dynamics, team building, and organizational development. Prerequisites: Admission to the DNP Program or consent of instructor.

NURS 738 - Financial Theory and Budget Management in the Healthcare Setting Credits 3
Focus on the analysis and application of theories of budget and financial management by nurse executives in healthcare systems. Emphasis will be placed on analysis of healthcare and the economy, provision of value-based service, workload management, budget principles and strategies, and finance and accounting issues. Prerequisites: Admission to the DNP Program or consent of instructor.

NURS 739 - Biobehavioral Approaches in Nursing Research Credits 3
Presents an overview of the common theories and research methodologies necessary to conduct biobehavioral research. The emphasis of the course is on identifying the student's phenomenon of interest, identifying an appropriate theory and developing research strategies to test the biological and behavioral components of this identified phenomenon.

NURS 740R - FNP Adult and Women's Health Credits 6
This course provides the FNP student with the knowledge and skills necessary to manage patients in the primary care setting. Specific content relates to primary care needs of adults, including adolescent through older adults, in screening for, preventing, and/or managing common acute and chronic conditions. Notes: This course has a non-credit clinical component. For more information, please refer to the course syllabus. Prerequisites: NURS 701, NURS 703 and NURS 730

NURS 741 - Biobehavioral Mechanisms, Pathways, and Measurements Credits 3
An overview of behavioral genetics, the basics of cell biology and genetics, and examples of common molecular pathways related to human diseases and symptoms. The course will highlight: (1) biological markers, including genetic and behavioral markers, and biological pathways associated with illnesses; and (2)

biological and behavioral measurements. Prerequisites: NURS 739

NURS 742 - Advanced Nursing Informatics Credits 2
Analyze the use of computer and information science and systems to manage and process data, information and knowledge in nursing education. Notes: Nursing specialty serves as the context for course assignments. Prerequisites: Admission to the Graduate Nursing Program or Certificate Program for Nurse Educators.

NURS 743 - Nursing Education Practicum 2 Credits 2
Second practicum to apply strategies and concepts of the nurse educator role in clinical or classroom setting in area of practice specialty. Prerequisites: NURS 733.

NURS 747 - Introduction to Laboratory Procedures for Biobehavioral Studies Credits 2
Use of laboratory equipment and performing laboratory procedures to generate biological data to contribute to the advancement of nursing knowledge. Laboratory safety protocols. Prerequisites: NURS 739 and NURS 741 or permission of instructor.

NURS 748 - Interdisciplinary Team Science Credits 3
Explores the basic components of team science and the types of problems appropriate for interdisciplinary teams including core components of team science, assembling an interdisciplinary team, working effectively with interdisciplinary team members, and evaluating team performance. Same as HSC 701 Grading Letter grade

NURS 750R - FNP Children and OB Credits 6
Theoretical and clinical concepts of primary and secondary prevention for children and pregnant women. Focus is on health maintenance, teaching, screening, and clinical management of common acute health problems. Emphasis is on wellness management, differential diagnoses, and pharmacologic/non-pharmacologic treatment options (15 hours of clinical per week). Notes: This course has a non-credit clinical component. For more information, please refer to the course syllabus. Prerequisites: NURS 740R

NURS 752 - Nurse Practitioner Business and Roles Credits 3
Explores transitioning into role of nurse practitioner as individual and part of interprofessional care team. Focuses on ethical decision making, legal issues, various practice plans, billing, credentialing, and legal certification requirements for practice. Prerequisites: NURS 704, NURS 730

NURS 753 - Nurse Educator Scholarship Project Credits 1
Examines literature and best practices to identify a gap in the nursing education setting, provides a plan to address the gap based on change theory, recommends implementation strategies, and creates an evaluation plan. Prerequisites: NURS 706, NURS 711 and NURS 733

NURS 754 - NE Practicum I: Organizations as Complex Systems Credits 3
Focus on the diversity of healthcare systems at the micro and macro levels. Emphasis on infrastructures and processes that support the delivery of healthcare and the application of concepts and principles of complexity science, organizational theory, and strategic planning in practice environments. Prerequisites: Admission to the DNP program or consent of instructor.

NURS 755 - Nursing Educator Role Development Credits 2

Explores the role of the nurse educator including development in the areas of teaching, research, and service. Examines interpersonal dynamics and team-work in academic and practice settings, functioning within institutional expectations, developing a teaching portfolio, legal issues, and future directions in nursing education.

NURS 756 - NE Practicum II: Organizational Transformation Credits 3

Focus on expanding an understanding of the competencies required of the nurse executive role. Examine the infrastructure, processes, and outcomes required for the delivery of patient care in a complex practice environment. Examine the impact of change on micro and macro systems and policy development and application. Prerequisites: Admission to DNP program or consent of instructor.

NURS 757 - NE Practicum III: Executive Leadership Credits 3

Focus on increasing understanding and application of the clinical nurse leader's role as a change agent, policy advocate, outcomes/care manager, and leader and educator to advance nursing practice and executive oversight in healthcare systems. Prerequisites: Admission to DNP program or consent of instructor.

NURS 760R - FNP Geriatric and Chronic Illness Credits (6-8)

Culminating course focusing on clinical experiences to develop skill and knowledge in providing care to families in primary care settings. Students practice with increasing independence under the supervision of preceptors and clinical instructors. Students will study complex, multiple co-morbidities in all levels of primary, secondary, and tertiary care. Notes: This course has a non-credit clinical component. For more information, please refer to the course syllabus. Prerequisites: NURS 714 and NURS 750R

NURS 761 - Clinical Synthesis Credits 1

This clinical course serves as a culminating experience. Students will work with their clinical preceptor(s) to integrate and apply previously acquired knowledge and skills and will demonstrate achievement of expected program outcomes. Notes: This course has a non-credit clinical component. For more information, please refer to the course syllabus. This course is repeatable. Grading S/U

NURS 765 - DNP Residency Credits 4

Residency to apply program concepts and develop and implement strategies for practice-level and/or system-wide practice initiatives to improve the quality of care. Prerequisites: Admission to the DNP Program and NURS 719R, NURS 725, NURS 728R, NURS 729R, NURS 732 and NURS 767.

NURS 767 - Collaboration, Communication & Negotiation for the Nurse Leader Credits 2

The utilization of collaboration, communication and negotiation for implementation of practice models, peer review, practice guidelines, health policy, standards of care, and other scholarly products. Grading Letter grade Prerequisites: Admission to the DNP Program and or permission of the instructor.

NURS 768 - DNP Forum & Role Transformation Credits 2

Examination of issues and challenges in the DNP role and skills and strategies to conceptualize, articulate, plan, and actualize a career as a nurse leader. Prerequisites: NURS 719R, NURS 725, NURS 728R, NURS 729R, NURS 767, and NURS 772

NURS 770 - Knowledge Development in Nursing Credits 3

Offers a disciplinary context for doctoral study in nursing. The history and evolution of nursing knowledge is examined. Emphasis is on debates regarding what is known and how it is

known. Prerequisites: Enrollment in nursing doctoral program.

NURS 771 - Theory Development in Nursing Credits 3

Theoretical frameworks that guide the development of nursing knowledge. The methods and processes of theory development are analyzed. Grading Letter grade Prerequisites: Enrollment in doctoral program.

NURS 772 - The Nurse as Leader Credits 3

Leadership models as templates for nurse leader. Factors that influence leadership will be explored. Prerequisites: Admission into doctoral (DNP or PhD) program or permission of the instructor.

NURS 773 - Clinical Practicum Credits 3 - 6

Designed for students continuing a clinical practicum while completing other program requirements. Students enrolled in this clinical practicum course must register for at least 3 credits (this translates to at least nine hours of clinical per week) but no more than six credits in any one semester. Notes: May be repeated up to three consecutive semesters but a student may not take more than a total of nine credits. Grading Letter grade

NURS 774 - Educational Theory and Philosophy for Nursing Credits 3

Explores traditional and contemporary philosophies and theories of education within the context of societal development. Examines the role of educational theory and philosophy within nursing education. Prerequisites: Enrollment in the nursing doctoral program.

NURS 775 - Statistical Methods for Nursing Research I: Univariate Methods Credits 3

Designed to provide students with skills necessary to understand, interpret, and conduct descriptive and univariate analysis relevant to the field of nursing. Students will gain practical experience examining real-world data sets using SPSS software. Prerequisites: Enrollment in the nursing doctoral program; successful completion of introductory graduate level statistics course.

NURS 776 - Statistical Methods for Nursing Research II: Multivariate Methods Credits 3

Focuses on multivariate methods useful for the field of nursing research. Students will be expected to complete a capstone project to explore and implement statistical methods likely to be part of their dissertation projects. Prerequisites: NURS 775 or equivalent; enrollment in the nursing doctoral program.

NURS 777 - Individualized Study/Dissertation Seminar Credits 1 - 5

Individualized study or seminar to facilitate dissertation research. Notes: May be repeated to a maximum of five credits. Prerequisites: Admission into doctoral program or permission of instructor.

NURS 778 - Geographic Information Systems for Health Credits 3

This course introduces the use of epidemiologic methods and modern geographic information systems to analyze the relationships between socioeconomic, physical, geopolitical, and demographic factors and sustainable health. These techniques form the basis of assessment of urban health problems to inform, plan, deliver, and evaluate appropriate interventions to ensure sustainability. Prerequisites: Admission into Doctoral (DNP or PhD) program or permission of instructor.

NURS 779 - Writing a Research Grant Application Credits 3

Involves preparing and writing a research grant application, preparing a research budget and budget justification, writing a project timeline, and proposing an innovative and

significant research proposal. Same as No Grading Letter Grade
Prerequisites: NURS 780 or permission of instructor.

NURS 780 - Quantitative Research Methods in Nursing
Credits 3

Examines, quantitative and mixed-method approaches used in nursing research. Grading Letter grade Prerequisites: Graduate standing in the Nursing PhD program

NURS 781 - Qualitative Research Methods in Nursing
Credits 3

Examines qualitative approaches used in nursing research. Prerequisites: NURS 780, Enrollment in the Nursing Ph.D. Program.

NURS 782 - Sustainable Health: Clinical Perspectives
Credits 4

This course focuses on air quality, potable water, waste disposal, disasters, and other potentially health-threatening environmental problems that affect health in developing and developed countries. The impact of environmental practices on sustainable health will be examined. Prerequisites: NURS 778, admission into doctoral program or permission of instructor.

NURS 783 - Economics of Sustainable Health Credits 3

Uses an economic sustainability approach to examine health effects of such issues as health insurance and health care financing, acute and chronic disease, and psychosocial issues. The economics of sustainable health in developing and developed countries will be compared. Prerequisites: Admission into doctoral program or permission of instructor.

NURS 784 - Sustainable Health and Public Policy Credits 3

Examines urban health promotion in terms of primary, secondary, and tertiary prevention, with an emphasis on the policy issues and critical processes that shape them. Apply theories to identify urban health promotion issues that are linked to sustainability and identify policy strategies for upstream interventions. Prerequisites: Admission into doctoral program or permission of instructor.

NURS 785 - Special Topics in Nursing Research Credits 2-8

Provides the student with an opportunity for an in-depth exploration of specific aspects of nursing research issues and approaches. Prerequisites: NURS 780 and admission to doctoral program.

NURS 788 - DNP Project Credits 1-6

The student will complete the DNP Project design and implementation. The results will be evaluated culminating with a final written and oral defense. The course may be repeated, but only six credits may be applied to the student's program. Notes: The course may be repeated, but only six credits may be applied to the student's program. Prerequisites: Admission to DNP Program and consent of instructor.

NURS 789 - Independent Study Credits 3

Supervised student designed study project done in consultation with instructor; must be submitted in writing to student advisor and graduate program coordinator for approval. May be repeated to a maximum of 10 credits. Prerequisites: Prerequisites: NURS 770, NURS 771, NURS 772, NURS 780, enrollment in nursing doctoral program.

NURS 790 - Independent Teaching Practicum Seminar
Credits 1

Exploration in group settings of actual experiences and outcomes of independent teaching practicum. Options for enhanced personal performance as nurse educator will be discussed. Notes: Must be taken concurrently with NURS 791. Prerequisites: NURS 724, NURS 733 and enrollment in nursing doctoral program.

NURS 790E - Emergency Nurse Practitioner I: Management of Acute Exacerbation of Chronic Illnesses ... Credits 5

The Emergency Nurse Practitioner (ENP) as a member of the interdisciplinary emergency health care team is reviewed within the context of managing patients presenting with acute exacerbations of chronic illnesses of varying complexity. Practice standards for the ENP are explored with emphasis on medical screening and patient classification. Grading Letter grade Prerequisites: Admission into the Emergency Nurse Practitioner Program.

NURS 791 - Independent Teaching Practicum Credits 1-5

Integrates self-reflection of nurse educator abilities, and systematic exploration of the literature to create and execute an individualized learning plan that further refines nurse educator competencies. Same as No Grading Letter Grade Prerequisites: NURS 724, NURS 733 and enrollment in nursing doctoral program.

NURS 791E - Emergency Nurse Practitioner II: Management of Acute Illnesses and Injuries Credits 5

Focus on enhancing evidence-based medical decision making, emphasizing Emergency Nurse Practitioner (ENP) role and practice standards when caring for patients with acute illnesses and injuries. Emphasis on prioritization of patient care based on potential morbidity and mortality as well as patient management and patient disposition in emergency care settings. Grading Letter grade Prerequisites: NURS 790E

NURS 792E - Emergency Nurse Practitioner III: Management of Critical Illnesses and Injuries Credits 5

Explore the role of the Emergency Nurse Practitioner (ENP) as an emergency care leader within the context of managing patients who present with critical illnesses and injuries. Focus on increased understanding and application of professional, legal, and ethical practices necessary for the delivery of safe and effective emergency care. Grading Letter grade Prerequisites: Documented completion of Family Nurse Practitioner board certification through MyUNLV or advisor review and approval.

NURS 793 - Nursing Education Professional Paper Credits 3

Focuses on a key area of nursing education requiring exploration and development. Students will select a committee to provide review and guidance. The final paper will be adapted and submitted for publication to a professional, peer-reviewed journal. Prerequisites: NURS 706 and NURS 733.

NURS 794 - Psychiatric Mental Health Nurse Practitioner I
Credits 6

Preparation of the clinician for history taking, including foundational neuroscientific principles, standardized scales and tools across the lifespan, psychiatric history, and physical examination. The comprehensive assessment will be utilized in conjunction with current DSM, cultural, genetic, religious, behavioral, and laboratory data in evaluating differential diagnoses and reaching a final diagnosis. Grading Letter grade Prerequisites: NURS 701, NURS 703 and NURS 730

NURS 796 - Psychiatric Mental Health Nurse Practitioner II
Credits 8

Provide scientific knowledge clinical and neurobiological basis of psychopharmacology and its application for treatment of

clients with psychiatric and behavioral disorders across the lifespan considering cultural and religious factors. Focus on advanced concepts in neuroscience, pharmacokinetics, pharmacodynamics and pharmacogenetics of psychotropic drugs in the management of targeted symptoms and disorders. Grading Letter grade Prerequisites: NURS 794

NURS 797 - Dissertation Credits 3-6

Research analysis and writing toward completion of dissertation and subsequent defense. Formerly (NURS 798) Notes: Repeatable for up to 12 credits. Grading S/F grading only. Prerequisites: Enrollment in nursing doctoral program and consent of instructor.

NURS 798 - Independent Study Credits 1 – 3

Graduate seminar focusing on current developments in nursing practice. Formerly (NURS 797) Notes: Topics vary each semester. Prerequisites: Admission to graduate program and consent of instructor.

NURS 799 - Psychiatric Mental Health Nurse Practitioner III Credits 6

Present non-pharmacological methodologies and interventions including individual therapies, group therapies, reminiscence therapy, play therapy, family therapies, and complementary and alternative approaches. Exploration of appropriate clinical application of each therapeutic approach. The use of self, the therapist-patient relationship, phases of the therapeutic relationship, and teaching-coaching functions are included. Grading Letter grade Prerequisites: NURS 796

William F. Harrah College of Hospitality

A global leader in hospitality operations, research, scholarship, and service, the William F. Harrah College of Hospitality will help you launch your career in the flourishing hospitality industry. You will work with renowned faculty, learn among the highest-caliber students in the field, and grow as a leader in both your professional and personal life.

Our graduate programs are consistently ranked among the top 5 hospitality programs in the world. The facilities provide an ultra-modern learning environment located near the Epicenter of the hospitality industry – the Las Vegas Strip. Students collaborate with world-renowned faculty in research that directly impacts the industry. Students gain real-world skills through courses, internships, and mentorship opportunities. Harrah College of Hospitality offers one-of-a-kind gaming management courses and an academic track within the master's program. Be a part of a community of pioneering innovation and then join our elite global alumni network.

William F. Harrah College of Hospitality offers the following degrees:

- Master's of Science in Hotel Administration
- Dual Master's degree in Business Administration and Hotel Administration
- Dual Master's in Management Information Systems and Hotel Administration
- Executive Master's in Hospitality Administration (online only)
- Ph.D. in Hospitality Administration

Stowe Shoemaker, Ph.D., Dean

Marla Stafford, Ph.D., Executive Associate Dean of Academic Affairs

Tony Henthorne, Associate Dean of Graduate and International Programs

Billy Bai, Ph.D., Associate Dean of Research

Hospitality Faculty

Dean

Stowe Shoemaker - Full Graduate Faculty

Professor; B.S., University of Vermont; M.S., University of Massachusetts; Ph.D., Cornell University. Rebel since 2012.

Executive Associate Dean of Academic Affairs

Marla Stafford - Full Graduate Faculty

Professor; B.A., University of Arizona; M.B.A., Rollins College; Ph.D., University of Georgia. Rebel since 2019.

Associate Deans

Tony L. Henthorne - Full Graduate Faculty

Associate Dean of Graduate and International Programs; Professor; B.A., Ouachita Baptist University; M.B.A., University of Arkansas, Fayetteville; Ph.D., University of Mississippi. Rebel since 2008.

Billy Bai - Full Graduate Faculty

Associate Dean of Research; Professor; B.A., Nankai University; M.Phil., Hong Kong Polytechnic University; M.S., Ph.D., Purdue University. Rebel since 2001.

Graduate Studies

James A. Busser - Full Graduate Faculty

Director, Ph.D. Program; Professor; B.A., Illinois State University; M.S., Ph.D., University of Illinois-Champaign-Urbana. Rebel since 1987.

Christine Bergman - Full Graduate Faculty

Director, M.S. in Hotel Administration Program; Professor; B.S., Loma Linda University; M.S., University of Arizona; Ph.D., Michigan State University. Rebel since 2005.

Tony L. Henthorne - Full Graduate Faculty

Director, Dual MBA/Master of Science in Hotel Administration Program and Dual Master of Science in Hotel Administration/Master of Science in Management Information Systems Program; Professor; B.A., Ouachita Baptist University; M.B.A., University of Arkansas, Fayetteville; Ph.D., University of Mississippi. Rebel since 2008.

Toni Repetti - Full Graduate Faculty

Associate Professor; B.S., University of Nevada, Las Vegas; M.B.A., Colorado State University; Ph.D., University of Nevada, Las Vegas. Rebel since 2012.

Rhonda McElroy

Director of Graduate Programs; B.S., University of Northern Colorado; M.S., Iowa State University. Rebel since 2019.

Graduate Faculty

Abarbanel, Brett - Full Graduate Faculty

Assistant Professor; B.S., Brown University; M.S. and Ph.D., University of Nevada, Las Vegas. Rebel since 2016.

Bai, Billy - Full Graduate Faculty

Associate Dean of Research; Professor; B.A., Nankai University; M.Phil., Hong Kong Polytechnic University; M.S., Ph.D., Purdue University. Rebel since 2001.

Baloglu, Seyhmus - Full Graduate Faculty

Professor; B.S., Cukurova University; M.B.A., Hawaii Pacific University; Ph.D., Virginia Polytechnic Institute and State University. Rebel since 1996.

Belarmino, Amanda – Full Graduate Faculty

Assistant Professor; B.S., Cornell University; M.S., University of Houston; Ph.D., University of Houston

Bergman, Christine - Full Graduate Faculty

Director, M.S. in Hotel Administration Program; Professor; B.S., Loma Linda University; M.S., University of Arizona; Ph.D., Michigan State University. Rebel since 2005.

Bernhard, Bo Jason - Full Graduate Faculty

Executive Director, International Gaming Institute; Professor; B.A., Harvard University; Ph.D., University of Nevada, Las Vegas. Rebel since 2002.

Book, Laura – Graduate Faculty

Assistant Professor in Residence; B.S., M.S., and Ph.D., University of Nevada-Las Vegas. Rebel since 2013.

Braunlich, Carl - Full Graduate Faculty

Associate Professor; B.S., M.S., Cornell University; D.B.A., United States International University. Rebel since 2006.

Busser, James A. - Full Graduate Faculty

Director, Ph.D. Program; Professor; B.A., Illinois State University; M.S., Ph.D., University of Illinois-Champaign-Urbana. Rebel since 1987.

Cain, Christopher - Graduate Faculty

Director, PGA Golf Management Program; Associate Professor in Residence; B.S., M.S., The

Pennsylvania State University, Ph.D., University of Nevada, Las Vegas. Rebel since 2004.

Chatfield, Hyun Kyung (Grace) - *Full Graduate Faculty*
Associate Professor; B.S., M.B.A., Ph.D., University of Nevada, Las Vegas. Rebel since 2008.

Chen, Chih-Chien - *Full Graduate Faculty*
Assistant Professor; B.A., National Taiwan University; M.S., California State University; Ph.D., University of Illinois at Urbana-Champaign. Rebel since 2014.

Cotham, Dana – *Graduate Faculty*
Associate Professor; B.S., University of Nevada-Las Vegas; J.D., University of Nevada-Las Vegas. Rebel since 2009.

Cotrone, Finley – *Graduate Faculty*
Assistant Professor; B.F.A., Missouri State University; M.S., UNLV; Ph.D., UNLV. Rebel since 2013.

Dalbor, Michael C. - *Full Graduate Faculty*
Professor; B.S., Ph.D., Pennsylvania State University; M.B.A., Loyola College. Rebel since 2000.

Erdem, Mehmet - *Full Graduate Faculty*
Associate Professor; B.S., M.S., Purdue University; Ph.D., University of Nevada, Las Vegas. Rebel since 2006.

Gatling, Anthony - *Full Graduate Faculty*
Associate Professor; B.A., Duquesne University; M.B.A., Wayne State University; D.B.A., Lawrence Technological University. Rebel since 2012.

Henthorne, Tony L. - *Full Graduate Faculty*
Associate Dean of Graduate and International Programs; Director, Dual MBA/Master of Science in Hotel Administration Program; and Dual Master of Science in Hotel Administration/Master of Science in Management Information Systems Program; Professor; B.A., Ouachita Baptist University; M.B.A., University of Arkansas, Fayetteville; Ph.D., University of Mississippi. Rebel since 2008.

Kim, Hyelin (Lina) - *Full Graduate Faculty*
Assistant Professor; B.A., University of Wollongong; M.A., University of New South Wales; M.S., Kyung Hee University; Ph.D., Virginia Tech. Rebel since 2015.

Kim, Jungsun (Sunny) - *Full Graduate Faculty*
Associate Professor; B.A., Kyung Hee University; M.S., Ph.D., University of Nevada Las Vegas. Rebel since 2012.

Kim, Yen-Soon - *Full Graduate Faculty*
Associate Professor; B.S., M.S., Soonchunhyang University; Ph.D., Oklahoma State University. Rebel since 2005.

Lema, Joseph – *Full Graduate Faculty*
Professor and Chair – Food & Beverage and Event Management Department; B.S., University of Alberta; M.S. and Ph.D., University of Southern Mississippi. Rebel since 2020,

Lucas, Anthony - *Full Graduate Faculty*
Professor; B.S., Ball State University; M.B.A., Ph.D., University of Nevada, Las Vegas. Rebel since 2001.

Montgomery, Rhonda - *Full Graduate Faculty*
Associate Professor; B.S., M.S., Purdue University; Ph.D., University of South Carolina. Rebel since 1995.

Ozdemir, Ozgur – *Full Graduate Faculty*
Assistant Professor; B.S., Bilkent University; M.S., University of Delaware; Ph.D., The Pennsylvania State University. Rebel since 2017.

Raab, Carola - *Full Graduate Faculty*
Professor; B.S., M.B.A., Ph.D., University of Nevada, Las Vegas. Rebel since 2003.

Repetti, Toni - *Full Graduate Faculty*
Associate Professor; B.S., University of Nevada, Las Vegas; M.B.A., Colorado State University; Ph.D., University of Nevada, Las Vegas. Rebel since 2012.

Sammons, Gail - *Full Graduate Faculty*
Professor; B.S., North Dakota State University; M.S., University of Nevada, Las Vegas; Ph.D., Pennsylvania State University. Rebel since 1996.

Self, Tim – *Full Graduate Faculty*
Assistant Professor; B.A., California State University, Chico; M.S., University of Alabama; Ph.D., Purdue University. Rebel since 2017

Shoemaker, Stowe - *Full Graduate Faculty*
Dean; Professor; B.S., University of Vermont; M.S., University of Massachusetts; Ph.D., Cornell University. Rebel since 2012.

Shum, Wai-san (Cass) - *Full Graduate Faculty*
Assistant Professor; B.B.A., Chinese University of Hong Kong; Ph.D., Hong Kong University of Science and Technology. Rebel since 2015.

Singh, Ashok (A.K.) - *Full Graduate Faculty*
Professor; B.S., M.S., Lucknow University; Ph.D., Purdue University. Rebel since 1991.

Stafford, Marla – *Full Graduate Faculty*
Executive Associate Dean of Academic Affairs; Professor; B.A., University of Arizona; M.B.A., Rollins College; Ph.D., University of Georgia. Rebel since 2019.

Tanford, Sarah - *Full Graduate Faculty*
Professor; B.A., Northwestern University; M.S., Ph.D., University of Wisconsin-Madison. Rebel since 2008.

Uglow, Todd – *Graduate Faculty*
Assistant Professor in Residence; B.A., California State University San Bernardino; Juris Doctor, Western State University College of Law. Rebel since 2006.

Werner, William B. - *Graduate Faculty*
Associate Professor; B.A., Ohio State University; J.D., University of Cincinnati. Rebel since 2001.

Woods, Robert N. - *Full Graduate Faculty*
Professor; B.S., University of Oklahoma; M.S., Ph.D., Cornell University. Rebel since 2000.

Ma, Zihui (Ma) – *Full Graduate Faculty*
Assistant Professor in Residence; B.S., Beijing University of Posts and Telecommunications; M.S., Virginia Tech; Ph.D., Washington State University.

Deans and Professors Emeriti

Abbey, James R.
Emeritus Professor; B.A., M.B.A., Michigan State University; Ph.D., Utah State University. UNLV Emeritus 1973-2000.

Borsenik, Frank D.
Emeritus Professor; B.S., M.S., Ph.D., Michigan State University. UNLV Emeritus 1975-1994.

Eade, Vincent
Emeritus Professor; B.A., M.A., Bonaventure. UNLV Emeritus 1986-2015.

Goodwin, John R.
Emeritus Associate Professor; B.A., Michigan State University; M.A., Pepperdine University; D.B.A., United States International University. UNLV Emeritus 1980-1993.

Gu, Zheng
Emeritus Professor; B.S., Hangzhou University; M.S., Ph.D., University of Central Florida. UNLV Emeritus 1991.

Mann, Stuart H.

Emeritus Dean of the William F. Harrah College of Hotel Administration; B.S., University of Illinois; M.S., Ph.D., Case Western Reserve University. UNLV Emeritus 1998-2011.

Mayer, Karl

Emeritus Professor; B.S., University of Wisconsin-Madison; M.S., Columbia University; M.B.A. Harvard University; Ph.D., University of Nevada, Las Vegas. UNLV Emeritus 2001-2013.

McCool, Audrey

Emeritus Professor; B.S., M.A., University of Illinois, Urbana; Ed.D., Texas Tech University. UNLV Emeritus 1990.

Metcalfe, Lyell E.

Emeritus Associate Professor; B.S., B.A., M.A., University of Arizona; C.P.A., California. UNLV Emeritus 1970-1994.

Shock, Patti

Emeritus Professor; B.S., M.S., University of Southern Mississippi. UNLV Emeritus 1988-2013.

Stefanelli, John

Emeritus Professor; B.S., University of Illinois; M.B.A., Michigan State University; Ph.D., University of Denver. UNLV Emeritus 1978 - present.

Vallen, Jerome J.

Emeritus Dean of the William F. Harrah College of Hotel Administration and Professor; B.S., Ph.D., Cornell University; M.Ed., St. Lawrence University. UNLV Emeritus 1967-1998.

Plans

Graduate Certificate in Gaming Management

Master of Science - Hotel Administration

Executive Master of Hospitality Administration

Doctor of Philosophy - Hospitality Administration

Dual Degree: Master of Business Administration & Master of Science - Hotel Administration (see Business Administration Programs)

Dual Degree: Master of Science - Hotel Administration & Master of Science - Management Information Systems (see Management Management Entrepreneurship and Technology programs)

Graduate Certificate in Gaming Management

Plan Description

The Graduate Certificate in Gaming Management is a 15-credit program designed to bring hospitality executives together to learn the latest gaming management and leadership techniques in an executive format, via the Internet and other media.

Courses are taught entirely online although all students are encouraged to participate in the graduation activities and exercises on campus.

In addition to regular tuition and fees, this program has

an additional fee of \$510 per credit to cover the cost of delivery in an executive format.

For more information about your program, including your graduate program handbook and learning outcomes, please visit the Degree Directory.

Plan Admission Requirements

Application Deadlines

Refer to the Graduate College website for specific deadlines.

All applicants must review and follow the Graduate College Admission and Registration Requirements.

The following information to be submitted electronically to the Graduate College with your application:

1. Curriculum Vitae (CV) with employer references. The CV should clearly indicate job titles, place and date of employment and specific job responsibilities, as well as include 2 former employer contacts. Three or more years of full-time experience in a management capacity in the hospitality industry are a requirement.
2. A brief essay of approximately 500 words outlining your career goals and how your hospitality employment background has prepared you for graduate study.
3. Two letters of recommendation from 2 current or former employers.

All required documentation and application materials must be received by the UNLV Graduate College and the Harrah Hotel College Graduate Studies Office by the listed deadline for the application to be considered.

Students are accepted into a certificate program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

Total Credits Required - 15

Course Requirements

Required Courses

Required Courses – Credits: 3

- MHA 618 - Gaming Operations

Elective Courses

Complete 12 credits from the following courses:

- MHA 608 - Casino Accounting and Auditing
- MHA 621 - Gaming, Government & Community Relations
- MHA 622 - Sociology of Gambling
- MHA 623 - Internet and Mobile Gaming
- MHA 624 - Gaming Regulations, Law and Compliance
- MHA 627 - Gaming Technologies

- MHA 629 - Statistical Analysis In Gaming
- MHA 639 - Casino Marketing
- MHA 663 - Current Trends in Gaming Operations

Certificate Completion Requirements

The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her certificate requirements.

Master of Science - Hotel Administration

Plan Description

The 36-credit hour Master of Science degree in Hotel Administration will prepare you for a successful career as an upper-level executive in the hospitality industry or as an instructor/researcher in a hospitality education program.

Students have the opportunity to conduct research on a subject that interests them by writing a thesis. This decision will be based upon the student's goals and consultation with an academic advisor. Copies of the completed thesis must meet the guidelines of the UNLV Graduate College and be completed according to published deadlines.

For students who are interested a non-thesis track, they will complete the professional paper track, which requires them to write a professional paper that focuses on a real-world industry problem.

For more information about your program including your graduate program handbook and learning outcomes please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

The student must satisfy the minimum admission requirements of the UNLV Graduate College and the William F. Harrah College of Hospitality.

Applicants need to meet the following requirements below to be considered for the program.

1. A baccalaureate degree from an accredited institution with a minimum overall GPA of 2.75 on a 4.00 scale, or 3.00 or higher in the last two years of study.
2. A minimum of one-year of full-time work experience in a management/supervisory capacity in the hospitality industry, or three years of full-time, front-line experience is preferred.

To apply, applicants must submit the following materials by the application deadline to be considered for admission into the program.

1. Complete and submit the online UNLV Graduate College admission application and pay the required

admission application fee.

2. Submit of all post-secondary transcripts from all institutions attended. Unofficial copies of these transcripts must be uploaded into the online application system. Note: it is a requirement of the UNLV Graduate College that students with class credits and/or degrees from educational institutions outside the United States must provide a course-by-course evaluation of those credentials by a Graduate College approved NACES Evaluation Agency. This is to obtain an evaluation of the courses, verification of degrees, and establish accreditation of the schools and/or universities. A copy of this evaluation must be uploaded into the online application system by the application deadline.
3. Submit either GRE or GMAT scores. A satisfactory composite score on the Graduate Record Examination (GRE) (UNLV institution code 4861), with a preferred score of 155 on the quantitative portion and 148 on the verbal portion of the exam. Or, the Graduate Management Admissions Test (GMAT) (UNLV institution code 71T, Harrah College of Hospitality College code 71T-TD-68), preferred score of 550 with at least 25% on the verbal portion. Applicants are required to submit exams scores that have been completed within the last 5-years by the application deadline.
4. International applicants must submit the results of the TOEFL or IELTS as evidence of English proficiency. Test scores must be less than two years old at the time of application in order to be valid. For more information, visit UNLV English Proficiency.
5. Submit a Statement of Purpose (approximately 500 words) that outlines your career goals and how your hospitality employment background has prepared you for graduate study.
6. Submit two letters of recommendation. It is highly recommended that one letter is from a supervisor of an internship experience and one from a college faculty member. If the applicant has been out of school for a while and is no longer in touch with faculty members, letters from two employers will suffice.
7. Submit a resume that outlines internships, full-time jobs, and leadership experiences (i.e. officer in a club/organization, undergraduate research, mentoring programs, and volunteer/community service). Resumes should be one to two pages.
8. All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements:

All application documents must be submitted through the online application system by the application deadline. If an applicant has questions about the application process, please email mygradfuture@unlv.edu for assistance from one of the staff members in the Hospitality Office of Graduate Programs.

If admission is offered to an international applicant who is requesting F-1 or J-1 visa eligibility documents is required to submit Proof of Funding documentation.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

See Subplan Requirements below.

Subplan 1 Requirements: Thesis Track

Total Credits Required: 36

Course Requirements

Required Courses – Credits: 15

- HOA 705 - Financial Analysis for the Service Industries
- HOA 711 - Laws of Innkeeping and Food Service
- HOA 731 - Operational Analysis in Hospitality Management
- HOA 735 - Research Methodology
- HOA 740 - Marketing Systems

Supporting Elective Course – Credits: 15

Complete fifteen credits of advisor-approved elective coursework.

Thesis – Credits: 6

- HOA 789R - Thesis

Degree Requirements

1. Successfully complete a minimum of 36 graduate-level credit hours, of which no less than 24 are in Hotel Administration. This allows for a variety of supplemental tracks including business and education. At least 27 credits must be at the 700-level.
2. An oral examination is required of all students completing this track.
3. Successfully complete any conditional coursework outlined at the time of admission within the first academic year.
4. In consultation with his/her advisor, a student will organize a thesis committee of at least three departmental members and a fourth member from outside the department, known as the Graduate College Representative. An additional committee member may be added at the student and department's discretion. Please see Graduate College policy for committee appointment guidelines.
5. Students are encouraged to complete an internship during the summer term between their first year and second year in the program. International students must receive approval to be on CPT before starting an internship experience. All internships must be secure directly by the student and carries no academic credit.

Some students who did not complete any internships during their undergraduate studies or have no prior work experience in the hospitality industry may have a conditional requirement to complete an internship, which was documented at the time of admission into the program.

Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
2. The student must submit and successfully defend his/her thesis by the posted deadline. The defense must be advertised and is open to the public.
3. After the thesis defense, the student must electronically submit a properly formatted pdf copy of their thesis to the Graduate College for format check. Once the thesis format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for thesis defenses, format check submissions, and the final ProQuest submission can be found here.

Subplan 2 Requirements: Professional Paper Track

Total Credits Required: 36

Course Requirements

Required Courses – Credits: 15

- HOA 705 - Financial Analysis for the Service Industries
- HOA 711 - Laws of Innkeeping and Food Service
- HOA 731 - Operational Analysis in Hospitality Management
- HOA 735 - Research Methodology
- HOA 740 - Marketing Systems

Supporting Elective Courses – Credits: 18

Complete eighteen credits of advisor-approved elective coursework.

Professional Paper – Credits: 3

- HOA 788R - Professional Paper

Degree Requirements

1. Successfully complete a minimum of 36 graduate-level credit hours, of which no less than 24 are in Hotel Administration. This allows for a variety of supplemental tracks including business and education. At least 27 credits must be at the 700-level.
2. An oral presentation of the professional paper is required of all students completing this track.
3. Successfully complete any conditional coursework outlined at the time of admission within the first academic year.
4. Students are encouraged to complete an internship

during the summer term between their first year and second year in the program. International students must receive approval to be on CPT before starting an internship experience. All internships must be secure directly by the student and carries no academic credit. Some students who did not complete any internships during their undergraduate studies or have no prior work experience in the hospitality industry may have a conditional requirement to complete an internship, which was documented at the time of admission into the program.

Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
2. The student must successfully complete a professional paper.

Plan Graduation Requirements

Refer to your subplan for Graduation Requirements.

Executive Master of Hospitality Administration

Plan Description

The Master's of Hospitality Administration (MHA) degree is a 30-credit program designed to bring hospitality executives together to learn the latest management and leadership techniques in an executive format, via the Internet and other media. Demand determines the class schedule for the program.

Students must choose one of two subplans: 1) Hospitality Management, and 2) Gaming Management. Students must specify the program option as part of the admission process.

Courses are taught entirely online—there is no requirement that any student come to the main UNLV campus. Courses are offered throughout the year in five eight-week sessions. Two sessions are scheduled during the fall and spring semesters and one during the summer semester. At least two required courses and two elective courses are offered during each session. The professional paper and entrepreneurship classes are offered during the regular 16-weeks of the Fall and Spring. The professional paper should adhere to the American Psychological Association's current publication manual regarding writing style and format.

In addition to regular tuition and fees, this program has an additional fee of \$510 per credit to cover the cost of delivery in an executive format.

For more information, contact the program coordinator at (702) 895-5430. For more information about your program, including your graduate program handbook and learning outcomes, please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Application Requirements:

The student must satisfy the minimum admission requirements of the UNLV Graduate College and the William F. Harrah College of Hospitality. Applications available on the UNLV Graduate College website.

Applicants need to meet the following requirements below to be considered for the program.

1. A baccalaureate degree from an accredited institution with a minimum overall GPA of 2.75 on a 4.00 scale, or 3.00 or higher in the last two years of study.
2. A minimum of three years of full-time management experience in the hospitality industry.

To apply, applicants must submit the following materials by the application deadline to be considered for admission into the program.

1. Completed and submit the online UNLV Graduate College admission application and pay the required admission application fee.
2. Submit of all post-secondary transcripts from all institutions attended. Unofficial copies of these transcripts must be uploaded into the online application system. Note: it is a requirement of the UNLV Graduate College that students with class credits and/or degrees from educational institutions outside the United States must provide a course-by-course evaluation of those credentials by a Graduate College approved NACES Evaluation Agency. This is to obtain an evaluation of the courses, verification of degrees, and establish accreditation of the schools and/or universities. A copy of this evaluation must be uploaded into the online application system by the application deadline.
3. International applicants must submit the results of the TOEFL or IELTS as evidence of English proficiency. Test scores must be less than two years old at the time of application in order to be valid. For more information, visit UNLV English Proficiency.
4. Submit a Statement of Purpose (approximately 500 words) that outlines your career goals and how your hospitality employment background has prepared you for graduate study.
5. Submit a resume with employer references. The resume should clearly communicate your career history, including detailed job responsibilities.
6. Submit two letters of recommendation. Letters can be from a current or former employer or a faculty member that can comment on your potential success in the graduate program.
7. Applicants may be required to participate in an online recorded video, Skype, or other personal interview at no cost to the applicant.

8. All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.

All application documents must be submitted through the online application system by the application deadline. If an applicant has questions about the application process, please email mygradfuture@unlv.edu for assistance from one of the staff members in the Hospitality Office of Graduate Programs.

Note: Students are not required to take the GRE or the GMAT for entry into this program.

IMPORTANT NOTE FOR INTERNATIONAL STUDENTS: Because this program is offered totally online and is available anywhere in the world, UNLV cannot issue an I-20 and you cannot obtain a student visa to come to the United States based upon enrollment in the Master's of Hospitality Administration Program.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

Subplan 1: Hospitality Management

Subplan 2: Gaming Management

Subplan 1: Hospitality Management

Total Credits Required: 30

Course Requirements

Required Courses – Credits: 15

- MHA 603 - Human Resources and Behavior in the Hospitality Industry
- MHA 605 - Financial Analysis for the Service Industries
- MHA 635 - Research Methodology
- MHA 640 - Marketing Systems
- MHA 651 - Hospitality Service Management

Elective Courses – Credits: 12

Complete four additional MHA courses:

- MHA 538 - Fundamentals of Casino Operations
- MHA 604 - Hospitality Organizational Behavior Issues
- MHA 606 - Hospitality Revenue Management
- MHA 607 - Hospitality Industry Cost Control
- MHA 611 - Laws of Innkeeping and Food Service
- MHA 616 - Principles and Practices in Hospitality Management
- MHA 617 - Principles and Practices in Convention and Meetings Management
- MHA 618 - Gaming Operations

- MHA 620 - Principles and Practices in Food Service Management
- MHA 625 - Information Technology in the Hospitality Industry
- MHA 626 - Sustainability in the Hospitality Industry
- MHA 631 - Operational Analysis in Hospitality Management
- MHA 638 - Database Marketing for Hospitality and Tourism
- MHA 641 - Dynamics of Tourism
- MHA 642 - Customer Development Strategies for Casino & Gaming
- MHA 644 - Online Training and Development
- MHA 645 - Human Dynamics and Organizational Leadership
- MHA 646 - Essentials of Negotiation in the Hospitality Industry
- MHA 647 - Intercultural Communication in the Hospitality Industry
- MHA 653 - Event Management
- MHA 654 - Risk Management: Safety and Security in Hospitality and Tourism
- MHA 660 - Research Seminar in Hotel Administration
- MHA 661 - Research Seminar in Food Service Administration
- MHA 662 - Seminar in Hospitality Education
- MHA 663 - Current Trends in Gaming Operations
- MHA 675 - Seminar in Hospitality Finance
- MHA 681 - Independent Study and Research
- MHA 690 - Special Topics in Hospitality Management

Culminating Experience – Credits: 3

Complete either a professional paper or hospitality entrepreneurship.

- MHA 787 - Entrepreneurship in the Hospitality Industry
- MHA 788 - Professional Paper

Degree Requirements

Students must successfully complete 30 credit hours of 500-/600-level course work in the MHA Hospitality Management subplan in the William F. Harrah College of Hospitality. These credits will come from four elective courses, five required courses and a professional paper.

Students may take courses in any order with these exceptions: students are encouraged to take MHA 635 – Research Methods in their first semester; MHA 635 – Research Methodology must be taken prior to the culminating experience, and the culminating experience

cannot be taken until 80% of all coursework is complete and the student is in the last semester of study. Students can schedule their individual programs with the MHA academic advisor.

Graduation Requirements

See Plan Graduation Requirements below.

Subplan 2: Gaming Management

Total Credits Required: 30

Course Requirements

Required Course – Credits: 12

- MHA 603 - Human Resources and Behavior in the Hospitality Industry
- MHA 605 - Financial Analysis for the Service Industries
- MHA 618 - Gaming Operations
- MHA 635 - Research Methodology
- Required Marketing Course – Credits: 3
- Choose one of the following courses:
- MHA 639 - Casino Marketing
- MHA 640 - Marketing Systems

Elective Courses – Credits: 12

Complete four additional MHA courses:

- MHA 608 - Casino Accounting and Auditing
- MHA 621 - Gaming, Government & Community Relations
- MHA 622 - Sociology of Gambling
- MHA 623 - Internet and Mobile Gaming
- MHA 624 - Gaming Regulations, Law and Compliance
- MHA 627 - Gaming Technologies
- MHA 639 - Casino Marketing
- MHA 663 - Current Trends in Gaming Operations
- MHA 629 - Statistical Analysis In Gaming

Culminating Experience – Credits: 3

- MHA 788 - Professional Paper

Degree Requirements

Students must successfully complete 30 credit hours of 500-/600-level course work in the MHA Gaming Management Subplan in the William F. Harrah College of Hospitality. These credits will come from four elective courses, five required courses and a professional paper.

Students may take courses in any order with these exceptions: students are encouraged to take MHA 635 – Research Methods in their first semester; MHA 635 – Research Methodology must be taken prior to the culminating experience; MHA 608 Casino Accounting and Auditing, MHA 627 Gaming Technologies, and MHA 639

Casino Marketing have MHA 618 Casino Operations as a prerequisite; and the culminating experience cannot be taken until 80% of all coursework is complete and the student is in the last semester of study. Students can schedule their individual programs with the MHA academic advisor.

Graduation Requirements

See Plan Graduation Requirements below.

Plan Graduation Requirements

The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.

The student must successfully complete a culminating experience.

Doctor of Philosophy - Hospitality Administration

Plan Description

The Ph.D. program is a multi-conceptual and research-based degree program designed to produce top quality hospitality and tourism educators and researchers. It focuses on preparing students to be excellent teachers at the university level, and engages them in scholarly research in hospitality and tourism management. Upon graduation, students will be able to teach and conduct research at the university level, and work at industry research institutions. The Ph.D. program is highly competitive, seeking motivated individuals who are committed to pursuing academic and research careers in hospitality and tourism. The program is partly supported by the Ace Denken Co. Ltd. Endowment.

For more information about your program, including your graduate program handbook and learning outcomes, please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

The student must satisfy the minimum admission requirements of the Graduate College and the William F. Harrah College of Hospitality. Applications available on the UNLV Graduate College website.

Applicants need to meet the following requirements below to be considered for the program.

1. Master's degree from an accredited institution with at least 24 credits in hotel administration, food service administration, tourism-convention administration, or a closely aligned field. It is preferred that applicants have completed a thesis-based master's program.
2. An overall GPA of 3.00 on a 4.00 scale for all work completed at the post-baccalaureate level.

3. A minimum of one year of full-time work experience in a management/supervisory capacity in the hospitality industry, or three years of full-time, front-line experience is preferred.

To apply, applicants must submit the following materials by the application deadline to be considered for admission into the program.

1. Complete and submit the online UNLV Graduate College admissions application and pay the required admission application fee.
2. Submit all post-secondary transcripts from all institutions attended. Unofficial copies of these transcripts must be uploaded into the online application system. Note: it is a requirement of the UNLV Graduate College that students with class credits and/or degrees from educational institutions outside the United States must provide a course-by-course evaluation of those credentials by a Graduate College approved NACES Evaluation Agency. This is to obtain an evaluation of the courses, verification of degrees, and establish accreditation of the schools and/or universities. A copy of this evaluation must be uploaded into the online application system by the application deadline.
3. International applicants must submit the results of the TOEFL or IELTS as evidence of English proficiency. Test scores must be less than two years old at the time of application in order to be valid. For more information, visit UNLV English Proficiency . Students who are completing a master's degree at an institution in the United States must submit a copy of their TOEFL or IELTS scores at the time they applied to that institution.
4. Submit either GRE or GMAT scores. A satisfactory composite score on the Graduate Record Examination (GRE) (UNLV institution code 4861), with a preferred score of 155 on the quantitative portion and 148 on the verbal portion of the exam. Or, the Graduate Management Admissions Test (GMAT) (UNLV institution code 71T, Harrah College of Hospitality College code 71T-TD-68), preferred score of 550 with at least 25% on the verbal portion. Applicants are required to submit exams scores that have been completed within the last 5-years by the application deadline.
5. Submit a two-page Statement of Purpose that addresses the following: why you want to earn a PhD, your research interests, and what faculty you are interested in working with and why.
6. Submit a resume or CV that outlines research experience, conferences, published papers, internships, full-time employment in the field of hospitality, and leadership experiences.
7. Submit three Letters of Recommendation. It is preferred that these letters come from two college faculty members and one current or former employer.

However, recommendations from one faculty member and two employers will suffice.

8. Applicants must complete the KIRA Virtual Interview. After submitting the UNLV Graduate College admissions application, applicants will receive an email invitation from KIRA Talent to complete a virtual interview. This invitation will be sent to the applicant's email address that was provided in his or her admission application. KIRA interview submissions MUST be completed no later than 5 days after application deadline.
9. Applicants may be required to participate in an online recorded video, Skype, or other personal interview at no cost to the applicant.
10. All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.

Applicants must submit all application materials by the application deadline through the online application system to be considered by the admission committee.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

Total Credits Required: 60

Course Requirements

Core Coursework – Credits: 12

- HOA 794 is repeated for three different semesters for a total of 3 credit hours.
- HOA 794 - Issues and Trends for Hospitality Educators
- HOA 795 - Research Seminar in Hospitality Education
- HOA 797 - Philosophy of Science in Hospitality Research
- HOA 798R - Readings in Hospitality Management

Quantitative and Qualitative Methodology Courses – Credits: 9

- EPY 718 - Qualitative Research Methodologies
- HOA 735 - Research Methodology
- HOA 796 - Advanced Research Methodology

Statistical Analysis Courses – Credits: 6

Complete two of the following courses:

- STA 713 - Experimental Design
- STA 715 - Multivariate Statistical Methods
- EPY 722 - Inferential Statistics and Experimental Design
- EPY 732 - Multiple Regression

- EPY 733 - Multivariate Statistics
- EPY 734 - Structural Equation Modeling
- EAB 763 - Linear Statistical Models
- EAB 783 - Multivariate Methods for the Health Sciences
- PSC 702 - Advanced Quantitative Methods I

Primary and Secondary Area of Study Coursework – Credits: 15

Select coursework in consultation with your Chair and the Faculty Ph. D. Program Coordinator.

1. Major Area of Study: Three 3-credit courses
2. Minor Area of Study: Two 3-credit courses

Elective Courses – Credits: 6

Complete 6 credit hours of advisor-approved 700-level elective coursework. Courses used to fulfill prerequisite requirements can count toward these elective credits if the courses are at the 700-level or higher.

Dissertation – Credits: 12

- HOA 799R - Dissertation

Degree Requirements

1. Must have at least 24 credits in the William F. Harrah College of Hospitality (excluding dissertation credits) and 12 credits outside of the College of Hospitality. All credits must be from 700-level courses.
2. Successful completion of all courses approved on the student's graduate program of study with a 3.00 GPA or better. Any credits completed with less than a 2.00 GPA may result in the student's termination from the program.
3. After the first year of course work, students will complete the Q-Exam. Students will be given two attempts to pass this exam. Failure to pass the exam can result in dismissal from the program. For details on the exam process, please see the PhD Program Handbook.
4. The student must file an approved degree plan before the start of the third semester after admission to the program. The degree plan must be developed in consultation with the student's Doctoral Advising Committee Chair, the Doctoral Advising Committee, the Faculty Ph.D. Program Coordinator, and the Associate Dean for Graduate and International Programs.
5. In consultation with his/her advisor, a student will organize a dissertation committee of at least three departmental members and a fourth member from outside the department, known as the Graduate College Representative. An additional committee member may be added at the student and department's discretion. Please see Graduate College policy for committee appointment guidelines.

6. Simultaneous to the last semester of content-related coursework (non-dissertation credits), students must pass a primary and secondary area comprehensive exam. This exam must be taken within five years of the admission date. For details on the exam process, please see the PhD Program Handbook.
7. The student must successfully write and orally defend his/her dissertation proposal and the completed dissertation. The dissertation must be of substantial quality and length, original in thought and research, and make a significant contribution to the body of knowledge in the field of hospitality administration. Upon approval of the Doctoral Advising Committee, the student will orally defend both the dissertation proposal and the completed dissertation.
8. If necessary, students may spend the equivalent of two semesters completing an approved internship.

Plan Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
2. The student must submit and successfully defend his/her dissertation by the posted deadline. The defense must be advertised and is open to the public.
3. After the dissertation defense, the student must electronically submit a properly formatted pdf copy of their dissertation to the Graduate College for format check. Once the dissertation format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for dissertation defenses, format check submissions, and the final ProQuest submission can be found here.

William F. Harrah College of Hospitality Courses

HOA 502 - Employment Law in the Hospitality Industry

Credits 3

Covers all significant state and federal laws applicable to employment relationships found in hospitality businesses and studies effective methods of managing hospitality employees in compliance with applicable employment laws. Students learn to effectively identify, evaluate and resolve employment law issues and liabilities commonly encountered by hospitality businesses. Formerly HOA 602 Notes: This course is crosslisted with HMD 402. Credit at the 500-level requires additional work.

HOA 507 - Organizational Theory Applied to the Service Industries

Credits 3

Focuses on developing management skills through the study and application of theories of human behavior, particularly in service organizations. Areas addressed include: working with/through others, communication, coaching and counseling, providing feedback, goal setting, stress management, creative problem solving, motivation, power, conflict management, and group dynamics and developing effective teams. Formerly HOA 607 Notes: This course is crosslisted with HMD 407. Credit at the 500-level requires additional work.

HOA 508 - Labor Management Relations

Credits 3

Analysis of labor-management relations in the hospitality industry at the employee, unit, and strategic levels. Development of written and verbal communication and problem identification/solving skills via environmental analysis (historical, legal, social and technological). Other areas include: contract negotiation and administration, union-management cooperative efforts, and strategic labor management decision-making. Formerly HOA 608 Notes: This course is crosslisted with HMD 408. Credit at the 500-level requires additional work.

HOA 509 - Hospitality Security/Risk

Credits 3

Analysis of contemporary risk management and security concerns specific to hospitality and gaming industries; encompassing lodging, food and beverage, casinos, events, and clubs. Includes development of security and risk management strategies for asset protection, loss prevention, disaster control, crisis management, industrial safety, casino security, and emergency action planning. Formerly HOA 510 Notes: This course is crosslisted with HMD 410. Credit at the 500-level requires additional work.

HOA 536 - Mathematics of Casino Games

Credits 3

Graduate credit may be obtained for courses designated 500 or above. A full description of this course may be found in the Undergraduate Catalog under the corresponding 400 number. Formerly HOA 636 Notes: Credit at the 500 level normally requires additional work.

HOA 542 - Sociology of Gambling

Credits 3

Analysis of patterns of participation in various forms of gambling; political/economic background of gambling; effects of gambling on communities, lifestyles, and value systems. Formerly HOA 642 Notes: This course is crosslisted with GAM 442, SOC 442 and SOC 642. Credit at the 500 and 600-level requires additional work.

HOA 549 - International Tourism

Credits 3

Study of international travel and tourism. Focuses on the economic, social, political, and environmental considerations of international tourism management and development. Formerly HOA 649 Notes: This course is crosslisted with TCA 449. Credit at the 500-level requires additional work.

HOA 555 - Hotel Administration Seminar

Credits 3

Study and discussion of current problems in the hospitality industry using case studies, individual research, and guests. Formerly HOA 655 Notes: This course is crosslisted with HMD 455. Credit at the 500-level requires additional work.

HOA 570 - Quantitative Methods and Applications in Casino Gaming

Credits 3

Develops the techniques and methods for computing the probabilities, expected values, and house percentages of casino games and analyzes the effects of changes in playing rules and payoff odds. Formerly HOA 670 Notes: This course is crosslisted with GAM 470. Credit at the 500-level requires additional work.

HOA 574 - Seminar in Hotel Research

Credits 3

For descriptions of 500-level courses, please consult the current Undergraduate Catalog where they are listed as 400-level courses. Formerly HOA 674 Notes: Credit at the 500 level usually requires additional work.

HOA 703 - Human Resources Management in the Hospitality Industry

Credits 3

Examines the functions of human resource management through readings, cases and applied research with special attention to strategic HR alliances and developing trends.

HOA 705 - Financial Analysis for the Service Industries

Credits 3

Problems and cases in applying accounting and financial information to executive decision making in the hospitality industry. Prerequisites: Adequate preparation in accounting.

HOA 711 - Laws of Innkeeping and Food Service

Credits 3

Examines through case studies and discussion the modern application of the laws of innkeeping using a historical perspective.

HOA 716 - Principles and Practices in Hotel Management

Credits 3

Examination of the mechanisms and techniques employed in the management of hotel/motel companies. Comparisons, case studies, and selected topics focus on equity structures, operations, marketing, and systems for a variety of public and private operations.

HOA 717 - Principles and Practices in Convention and Meetings Management

Credits 3

Examination of the mechanisms and techniques employed in the management of convention and meeting industries. Comparisons, case studies, and selected topics focus on equity structures, operations, marketing, and systems for a variety of convention and meetings management issues.

HOA 718 - Principles of Casino and Gaming Management

Credits 3

Examination of the mechanisms and techniques employed in the management of casino companies. Comparisons, case studies and selected topics focus on organization and department policies, production processes, manpower development, scheduling, and marketing for a variety of operating systems. Prerequisites: Consent of instructor.

HOA 720 - Principles and Practices in Food Service Management

Credits 3

Examination of the mechanisms and techniques employed in the management of food service companies. Comparisons, case studies, and selected topics focus on equity structures, operations, multiunits, marketing, and systems for a variety of public and private operations. Prerequisites: HOA 461 or equivalent.

HOA 725 - Information Technology in the Hospitality Industry Credits 3

Examines the current level of technology use, explores the potential uses of existing technology, and discusses new technologies in the hospitality industry. Prerequisites: Consent of instructor.

HOA 730 - Statistical Analysis for Hospitality Credits 3

Introduction to the use of statistical techniques with emphasis on applications for the hospitality industry.

HOA 731 - Operational Analysis in Hospitality Management Credits 3

Research design, operations analysis, and the application of analytical models for the hotel and food service industry. Formerly (HOA 701) Prerequisites: HOA 730

HOA 732 - Advanced Statistics in R for Hospitality and Business Credits 3

Advanced statistical methods for analyzing time series data, including seasonal and non-seasonal ARIMA modeling. Statistical analysis of panel data (aka longitudinal or cross-sectional time-series data), which is a time series data for several entities, will also be covered. The statistical programming language R will be used in this class. Prerequisites: HOA 730 or equivalent.

HOA 735 - Research Methodology Credits 3

Examination of research methods including: the scientific method, literature review, sampling, statistics, research design, and analytical technique. Notes: If you are following the thesis option, you must take 3 credits of HOA 799R in conjunction with this class. Prerequisites: Graduate standing.

HOA 739 - Psychology of Hospitality Marketing Credits 3

Research in neurology, biology, and cognitive science is changing the way researchers approach how people think and behave. This class introduces students to new ways of viewing cognition and to help graduate students apply these new views as they develop their own research programs.

HOA 740 - Marketing Systems Credits 3

Development of marketing and advertising systems for hospitality industries based on both the need to create new markets and the need to respond to significant shifts in social and economic patterns.

HOA 741 - Dynamics of Tourism Credits 3

Examines major components of international and domestic tourism systems, including socio-economic effects. Legal and environmental problems, and managerial and planning functions.

HOA 745 - Human Dynamics and Organizational Leadership Credits 3

Provides students with knowledge, skills and attitudes necessary to undertake leadership responsibilities in complex organizations. Applies concepts and methodologies from social and behavioral sciences in the analysis of leadership behavior in diverse organizational and community settings. Same as (EDA 745 and BUS 745)

HOA 751 - Hospitality Service Management Credits 3

Examines service marketing and management concepts relevant to the hospitality industry and explores how these concepts can be applied to service delivery systems in the hospitality industry.

HOA 760 - Research Seminar in Hotel Administration Credits 3

Student solutions to situation incidents and case studies in the lodging segment of the hospitality industry. Alternate semesters treat different topics. Notes: May be repeated once with consent of advisor and instructor. Prerequisites: Six graduate credits in hotel administration.

HOA 761 - Research Seminar in Food Service Administration Credits 3

Student solutions to incidents and case studies in the food segment of the hospitality industry. Alternate semesters treat different topics. Notes: May be repeated once with consent of advisor and instructor. Prerequisites: Six graduate credits in hotel administration.

HOA 763 - Research Seminar In Casino and Gaming Management Credits 3

Student solutions to situations, incidents and case studies in the casino segment of the hospitality industry. Alternate semesters treat different topics. Notes: May be repeated once with consent of advisor and instructor. Prerequisites: Six graduate credits in hotel administration including HOA 718.

HOA 764 - Research Seminar in Convention Management Credits 3

Designed around student solutions to situations, incidents, and case studies in convention, meeting, and exhibition management. Comprehensive and application of research to practical and theoretical issues in convention management will be emphasized. Alternate semesters treat different topics. Prerequisites: Six graduate credits in hotel administration.

HOA 777 - Critical Issues in Hospitality Management Credits 3

Provides the opportunity to identify, explore, discuss, and analyze current critical issues and events important to the hospitality industry. Students communicate in research and writing the essence of a critical issue and prepare a verbal presentation to communicate a critical issue. Notes: May be repeated to a maximum of six credits.

HOA 781 - Independent Study and Research Credits 1 – 3

Consultation course consisting of individual student effort under guidance of the instructor. Students assigned to or request assignment to specific problems in hospitality management on the basis of interest and preparation. Notes: May be repeated to a maximum of six credits. Prerequisites: Consent of instructor and graduate program director.

HOA 782 - Advanced Independent Study and Research Credits 3

Consultation course consisting of individual student effort under guidance of the instructor. Students conduct independent research in their major area or work on the analysis of a problem for a hospitality organization. Prerequisites: Doctoral student.

HOA 783 - Internship Credits 1 – 3

Field experience in a variety of hospitality related industries that focus on management or application of specific skills within a discipline. Must be consistent with the student's area of specialization and conducted under the guidance of a graduate faculty member. Notes: May be repeated to a maximum of six credits. Prerequisites: Consent of instructor and graduate program director.

HOA 787 - Entrepreneurship in the Hospitality Industry Credits 3

Comprehensive coverage of various tools, documents, and subject materials utilized to start and maintain a small hospitality business. Includes entrepreneurial perspectives, challenges, characteristics, self-assessment; starting a new venture; developing business idea and business/marketing/financial organizational plans; and financing and managing the new venture. Other issues include legal, franchising, and international entrepreneurship. Prerequisites: HOA 703, HOA 740 or MBA 767, HOA 705 or MBA 765.

HOA 788R - Professional Paper Credits 3

Professional paper whose contents serve as the focus for the final oral examination. Formerly HOA 791 Notes: May be enlarged in scope and purpose for thesis credit. Grading Letter grade

HOA 789R - Thesis Credits 3 – 6

Students may enroll in 3 credits per semester. Formerly HOA 799 Notes: A total of six credits are required for the thesis. Grading S/F grading Prerequisites: HOA 735

HOA 790 - Special Topics in Hospitality Management Credits 1 – 6

Eclectic approach to special problem areas of current interest employing individual and group research. Notes: May be repeated once with consent of advisor and instructor. Prerequisites: Six graduate credits in hotel administration.

HOA 794 - Issues and Trends for Hospitality Educators Credits 1

Explores issues and trends in hospitality education. Formerly HOA 779 Notes: May be repeated to a maximum of three credits. Prerequisites: Doctoral student.

HOA 795 - Research Seminar in Hospitality Education Credits 3

Exploration of problems related to programs and techniques of teaching in food service and lodging education, with emphasis upon the means of improving curriculum and instruction. Formerly HOA 762 Notes: May be repeated once with consent of advisor and instructor. Prerequisites: Six graduate credits in hotel administration.

HOA 796 - Advanced Research Methodology Credits 3

Fundamental principles of multivariate data analysis, including the mathematics behind the statistical techniques studied. Examination of quantitative research methods including sample size determination, validity, reliability and detection and handling of outliers. Formerly HOA 736 Prerequisites: EPY 722

HOA 797 - Philosophy of Science in Hospitality Research Credits 3

Exploration of the philosophical and sociological context of research, including different epistemologies, ontologies, and images of human nature and their influence on conceptualizing and designing research, collecting and understanding data, and disseminating findings. Implications and consequences of alternative approaches and perspectives of inquiry examined. Formerly HOA 737

HOA 798R - Readings in Hospitality Management Credits 3

Provides students with a knowledge and understanding of important research in their area of interest. Formerly HOA 778 Grading Letter grade Prerequisites: Doctoral student or consent of instructor.

HOA 799R - Dissertation Credits 3 – 12

Dissertation Research. Formerly HOA 798 Notes: 3-12 credits in three-credit increments. Grading S/F grading Prerequisites: Graduate standing in Ph.D. program and consent of advisor.

MHA 538 - Fundamentals of Casino Operations Credits 3

Provides students with basic casino table games and slot department management operational procedures. It shows the relationship between these departments and other hotel/casino departments. By the end of this course, students will understand state of the art casino operations management methods. Prerequisites: Admission into MHA Program.

MHA 603 - Human Resources and Behavior in the Hospitality Industry Credits 3

Examines the functions of human resource management through readings, cases and applied research with special attention to

strategic HR alliances and developing trends. Formerly MHA 703 Prerequisites: Admission into MHA Program.

MHA 604 - Hospitality Organizational Behavior Issues Credits 3

This course focuses on developing management skills through the study and application of theories of human behavior, particularly in service organizations. Areas addressed include: working with/through others, communication, coaching and counseling, providing feedback, goal setting, stress management, creative problem solving, motivation, power, conflict management, group dynamics and developing effective teams. Prerequisites: Admission into MHA Program.

MHA 605 - Financial Analysis for the Service Industries Credits 3

Problems and cases in applying accounting and financial information to executive decision making in the hospitality industry. Formerly MHA 705 Prerequisites: Admission into MHA Program.

MHA 606 - Hospitality Revenue Management Credits 3

This course deals with the theory and practice of operational and strategic revenue management policy and problems in the hospitality industry. It briefly examines the critical areas of yield management and revenue maximization in the context of hospitality and tourism industry. Emphasis is placed upon current issues in revenue management systems. Formerly MHA 706 Prerequisites: Admission into MHA Program.

MHA 607 - Hospitality Industry Cost Control Credits 3

Course examines: types and nature of costs in hotels and restaurants, the role of cost control in gaining competitive advantage, the application of food and beverage cost control methods, cost forecasting approaches, Cost Volume Profit analyses, Activity Based Cost, and an introduction to energy and utility cost control. Prerequisites: Admission into MHA Program.

MHA 608 - Casino Accounting and Auditing Credits 3

Detailed examination of accounting systems, procedures, and controls particular to the gaming industry as required by both management and government for internal auditing, financial reporting, and managerial control. Prerequisites: MHA 618, enrollment in the Gaming Management subplan.

MHA 611 - Laws of Innkeeping and Food Service Credits 3

Examines through case studies and discussion the modern application of the laws of innkeeping using a historical perspective. Formerly MHA 711 Prerequisites: Admission into MHA Program.

MHA 616 - Principles and Practices in Hospitality Management Credits 3

Examination of the management techniques employed in hospitality companies. Comparisons, case studies, and selected topics focus on management systems for a variety of public and private operations. Formerly MHA 716 Prerequisites: Admission into MHA Program.

MHA 617 - Principles and Practices in Convention and Meetings Management Credits 3

Examination of the mechanisms and techniques employed in the management of convention and meeting industries. Comparisons, case studies, and selected topics focus on equity structures, operations, marketing, and systems for a variety of convention and meetings management issues. Formerly MHA 717 Prerequisites: Admission into MHA Program.

MHA 618 - Gaming Operations Credits 3
Examination of the history, developments, mechanisms, and techniques employed in the management of casino companies. Comparisons, case studies, and selected topics focus on organization and department policies, processes, management, gaming, contracts, and marketing for a variety of operating structures. Formerly MHA 718 Prerequisites: Admission into MHA Program.

MHA 620 - Principles and Practices in Food Service Management Credits 3
Examination of the mechanisms and techniques employed in the management of food service companies. Comparisons, case studies, and selected topics focus on equity structures, operations, multiunits, marketing, and systems for a variety of public and private operations. Formerly MHA 720 Prerequisites: Admission into MHA Program.

MHA 621 - Gaming, Government & Community Relations Credits 3
An examination of the relationships between the gaming industry and local, regional, and national governments and communities, focusing on expectations, requirements, economic and social impact, and quality of life. Prerequisites: Enrollment in the Gaming Management Subplan.

MHA 622 - Sociology of Gambling Credits 3
Analysis of patterns of participation in various forms of gambling; political/economic background of gambling; effects of gambling on communities, lifestyles, and value systems. Prerequisites: Enrollment in the Gaming Management Subplan.

MHA 623 - Internet and Mobile Gaming Credits 3
Examines the major components of internet gaming; the history of internet-based casino gaming; the emergence of mobile casino gaming; the current regulatory issues with both internet-based and mobile gaming; current trends; and the future of internet-based and mobile casino gaming. Prerequisites: Enrollment in the Gaming Management Subplan.

MHA 624 - Gaming Regulations, Law and Compliance Credits 3
Detailed investigation of the gaming industry with an emphasis on policies and procedures governing gaming activities that have developed through legislation, court decisions, and regulations. Prerequisites: Enrollment in the Gaming Management Subplan.

MHA 625 - Information Technology in the Hospitality Industry Credits 3
Examines the current level of technology use, explores the potential uses of existing technology, and discusses new technologies in the hospitality industry. Formerly MHA 725 Prerequisites: Admission into MHA Program.

MHA 626 - Sustainability in the Hospitality Industry Credits 3
An examination of sustainability practices in hotels, restaurants, and other hospitality facilities. Topics covered include material use, waste reduction, and recycling; water conservation; energy management; site selection and green building design, and indoor environmental quality issues. A special emphasis is placed on certifications and certifying organizations. Formerly MHA 726 Prerequisites: Admission into MHA Program.

MHA 627 - Gaming Technologies Credits 3
Examination of the current level of casino gaming technology use, the potential uses of existing technology, and emerging technologies in the casino industry with an emphasis on the role of technology as a strategic tool in casino operations. Prerequisites: MHA 618, enrollment in the Gaming Management Subplan.

MHA 629 - Statistical Analysis In Gaming Credits 3
Techniques and methods for computing the probabilities, expected values, and house percentages of casino games and analysis of the effects of changes in playing rules and payoff odds. Prerequisites: Enrollment in the Gaming Management Subplan.

MHA 631 - Operational Analysis in Hospitality Management Credits 3
Research design, operations analysis, and the application of analytical models for the hotel and food service industry. Formerly MHA 601, MHA 731 Prerequisites: Admission into MHA Program.

MHA 635 - Research Methodology Credits 3
Examination of research methods including the scientific method, literature review, sampling, statistics, research design and analytical technique. Formerly MHA 735 Prerequisites: Admission into MHA Program and six or more credits in the MHA program.

MHA 638 - Database Marketing for Hospitality and Tourism Credits 3
Provides students with a working knowledge of database marketing in the hospitality and tourism industries. Database marketing is an information-driven process of compiling detailed information about customers, leads, and prospects and using that information to segment and target individual customers with appropriate sales-oriented materials. Prerequisites: Admission into MHA Program.

MHA 639 - Casino Marketing Credits 3
Examination of marketing theories and practices for casinos with an emphasis on key strategies, tactics, and techniques useful in developing, expanding, and maintaining demand for casino properties, including customer relationship marketing (CRM), social media, player promotions, and guest incentives. Prerequisites: MHA 618, enrollment in the Gaming Management Subplan.

MHA 640 - Marketing Systems Credits 3
Development of marketing and advertising systems for hospitality industries based on both the need to create new markets and the need to respond to significant shifts in social and economic patterns. Formerly MHA 740 Prerequisites: Admission into MHA Program.

MHA 641 - Dynamics of Tourism Credits 3
Examines major components of international and domestic tourism systems, including socio-economic effects. Legal and environmental problems, and managerial and planning functions. Formerly MHA 741 Prerequisites: Admission into MHA Program.

MHA 642 - Customer Development Strategies for Casino & Gaming Credits 3
Analyzing marketing and promotional strategies utilized by the casino industry and developing understanding of valuable techniques that facilitate managerial decision making concerning these strategies. Formerly MHA 742 Prerequisites: Admission into MHA Program.

MHA 644 - Online Training and Development Credits 3
Concepts, principles, and techniques of online training. Emphasizes transfer of knowledge acquisition via online learning. Development of online training programs. Formerly MHA 744 Prerequisites: Admission into MHA Program.

MHA 645 - Human Dynamics and Organizational Leadership Credits 3-6

Provides students with knowledge, skills and attitudes necessary to undertake leadership responsibilities in complex organizations. Applies concepts and methodologies from social and behavioral sciences in the analysis of leadership behavior in diverse organizational and community settings. Formerly MHA 745 Prerequisites: Admission into MHA Program.

MHA 646 - Essentials of Negotiation in the Hospitality Industry Credits 3

This course explores the major concepts and theories of the psychology of bargaining and negotiation, and the dynamics of interpersonal and inter-group conflict and its resolution. Course concepts will be applied to situations within the hospitality industry. Formerly MHA 746 Prerequisites: Admission into MHA Program.

MHA 647 - Intercultural Communication in the Hospitality Industry Credits 3

Explores communication, culture, and social dynamics internal and external to hospitality organizations within an international context. Formerly MHA 747 Prerequisites: Admission into MHA Program.

MHA 651 - Hospitality Service Management Credits 3

Examines service marketing and management concepts relevant to the hospitality industry and explores how these concepts can be applied to service delivery systems in the hospitality industry. Formerly MHA 751 Prerequisites: Admission into MHA Program.

MHA 653 - Event Management Credits 3

This course offers an analysis of the fundamental issues that arise in managing meetings, conferences, and conventions, and the skills, tools, and resources necessary for site selection, program planning and management, exhibits, selection and use of facility, volunteers, and budget management. Formerly MHA 753 Prerequisites: Admission into MHA Program.

MHA 654 - Risk Management: Safety and Security in Hospitality and Tourism..... Credits 3

Natural disasters, terrorism, fire, boycotts, lawsuits and transportation or utility interruptions can have negative effects on hospitality and tourism. This course addresses preparing for, managing, and recovering from major and minor realized risks. Managing risk using risk management teams, contingency plans, contract language, and insurance will be discussed. Formerly MHA 754 Prerequisites: Admission into MHA Program.

MHA 660 - Research Seminar in Hotel Administration Credits 3

Student solutions to situation incidents and case studies in the lodging segment of the hospitality industry. Alternate semesters treat different topics. Formerly MHA 760 Prerequisites: Admission into MHA Program.

MHA 661 - Research Seminar in Food Service Administration Credits 3

Student solutions to incidents and case studies in the food segment of the hospitality industry. Alternate semesters treat different topics. Formerly MHA 761 Prerequisites: Admission into MHA Program.

MHA 662 - Seminar in Hospitality Education Credits 3

This course covers: overview of the history, organization, and administration of higher education and hospitality management programs, differences between types of degree programs and sources of funding, improving curriculum and instruction for both classroom and distance learning. The course will also investigate the role of faculty members in non-instructional activities. Prerequisites: Admission into MHA Program.

MHA 663 - Current Trends in Gaming Operations Credits 3

Current issues of the gaming industry and gaming operations, taking into consideration the variety of operational, regulatory, and community approaches to the industry, pointing to the most important problems, challenges and opportunities facing the gaming industry. Formerly MHA 763 Prerequisites: Admission into MHA Program.

MHA 675 - Seminar in Hospitality Finance Credits 3

Analysis and application of financial theories to hospitality firms and industry. Formerly MHA 775 Prerequisites: Admission into MHA Program.

MHA 681 - Independent Study and Research Credits 1-3

Consultation course consisting of individual student effort under guidance of the instructor. Students assigned to or request assignment to specific problems in hospitality management on the basis of interest and preparation. Formerly MHA 781 Prerequisites: Admission into MHA Program.

MHA 690 - Special Topics in Hospitality Management Credits 1-6

Eclectic approach to special problem areas of current interest employing individual and group research. Formerly MHA 790 Notes: May be repeated multiple times. Prerequisites: Admission into MHA Program.

MHA 787 - Entrepreneurship in the Hospitality Industry Credits 3

Comprehensive coverage of various tools, documents, and subject materials utilized to start and maintain a small hospitality business. Includes entrepreneurial perspectives, challenges, characteristics, self-assessment; starting a new venture; developing business idea and business/marketing/financial organizational plans; and financing and managing the new venture. Other issues include legal, franchising, and international entrepreneurship. Grading Letter Grade Prerequisites: MHA 603, MHA 605, MHA 640, MHA 651 and department approval and admission into MHA program.

MHA 788 - Professional Paper Credits 3

Professional paper whose contents serve as a capstone research experience based on a current hospitality topic or problem in the industry. The outcome of this final requirement for the degree is a publishable paper. Formerly MHA 691, MHA 791, MHA 688 Grading Letter Grade Prerequisites: MHA 635 and Department approval and admission into MHA Program.

SLS 550 - Administration of Recreation and Leisure Services Credits 3

Comprehensive examination of the philosophical, legal, financial, and administrative foundations necessary for management personnel in a public, not-for-profit or commercial leisure service organization. Formerly SLS 650

SLS 701 - Independent Study Credits 1 - 3

Independent study of a selected topic in sport or leisure service management or leisure behavior. Notes: May be repeated to a maximum of six credits Prerequisites: Consent of instructor.

SLS 702 - Management in Sport and Leisure Service Organizations Credits 3

Utilizes management theory in conjunction with theory of sport and leisure behavior to develop a philosophy of administration applicable to sport and leisure service organizations.

SLS 703 - Management Analysis of Sport and Leisure Service Organizations Credits 3

Analysis of how the financial resources needed to operate sport and leisure service facilities and programs are acquired and marshaled to realize organizational goals. Marketing strategies and revenue source specific to sport and leisure services analyzed and discussed. Prerequisites: SLS 702

SLS 704 - Management Internship..... Credits 3

Structured management internship in a sport or leisure service organization which focuses on specific administrative functions under the supervision of an agency manager and a university advisor. Prerequisites: SLS 703 and approval of student's advisor.

SLS 716 - Social Psychology of Sport and Leisure Credits 3

Introduces and examines the theories of sport and leisure behavior from a social psychological perspective. Issues and outcomes of involvement in sport and leisure activities for the individual as well as organized groups.

SLS 717 - Law and Liability in Sport and Leisure Services Credits 3

Explores the legal principles and rules of law affecting the administration of recreation, sports and athletic programs. Emphasis on risk management theory, safety principles, insurance concepts and liability issues. Litigation trends identified and procedures outlined to minimize legal risks.

SLS 718 - Programming for Sport and Leisure Service Organizations Credits 3

Theoretical and conceptual aspects of comprehensive programming for sport and leisure service organizations. Includes program development theories, program design concepts, advertising, promotion and evaluation procedures.

SLS 748 - Professional Paper Credits 3

Under the direction of a faculty advisor, the student develops a written treatise detailing the application of a principle or theory to the solution of a current problem of professional practice in the management of sport and leisure service. Grading S/F grading only. Prerequisites: Consent of instructor.

SLS 749 - Thesis Credits 3

Under the direction of a faculty advisor, students develop a written treatise detailing their methodical investigation and exposition of a theory or principle related to the management of sport and leisure service. Notes: May be repeated to a maximum of six credits. Grading S/F grading only. Prerequisites: Consent of instructor.

William S. Boyd School of Law

The William S. Boyd School of Law, which commenced classes in August 1998, is the first state-supported law school in Nevada history and the only law school in the state. The school offers three juris doctor degree programs: a full-time day program, a part-time evening program, and a part-time day program, and three dual degree programs: a J.D./M.B.A., J.D./M.S.W. and J.D./Ph.D. in Education. These programs are designed to train ethical and effective lawyers and leaders for Nevada and for the legal profession. The curriculum emphasizes professionalism, community service, and dispute avoidance/dispute resolution through a combination of skills training and traditional pedagogy and exposure to different public policy players and sources of law.

The mission of the William S. Boyd School of Law is to prepare students for the competent and ethical practice of law. At the same time, the Boyd School of Law recognizes that the skills and knowledge acquired in the juris doctor program may be transferred easily to other fields of endeavor and that many students seek legal training for the value it may have in pursuits other than the practice of law. The Boyd School of Law is dedicated to preserving, transmitting, and advancing the current state of legal knowledge, to developing programs that meet the changing needs of society, and to encouraging its graduates to apply the knowledge they gain for their own personal development and for the good of society. The curriculum responds to the needs of the students as well as the needs of the profession. In the early stages of legal education, the curriculum stresses professionalism, community service, and the roles and importance of lawyers in our society, all in an effort to acquaint students with the nature and nobility of the legal profession and with the opportunity that lawyers have to improve the society in which they live. Throughout the curriculum, emphasis is placed on writing, professionalism, and community service. In its clinical and externship programs, the law school provides students with the opportunity of a substantial lawyering experience under close supervision.

Daniel W. Hamilton, J.D., Ph.D., Dean

*Jeanne F. Price, J.D., Associate
Dean for Academic Affairs*

Law Faculty

Dean and Richard J. Morgan Professor of Law Hamilton, Daniel W.

B.A. Oberlin College; J.D., George Washington University Law School; Ph.D., Harvard University. Rebel since 2013.

Associate Deans

Berger, Linda

Associate Dean for Faculty Development and Research; Family Foundation Professor of Law; B.S., University of Colorado-Boulder; J.D., Case Western Reserve

University School of Law. Rebel since 2011.

Nathanson, Rebecca

Interim Associate Dean for Experiential Education; James E. Rogers Professor of Education and Law; Associate Professor, Joint Appointment with Department of Educational Psychology; B.A., University of California, Los Angeles; M.A., University of California, Santa Barbara; Ph.D., University of California, Santa Barbara. Rebel since 2003.

Price, Jeanne

Associate Dean for Academic Affairs; Professor of Law; Director of the Wiener-Rogers Law Library; B.A., Yale University; J.D., University of Texas School of Law; M.L.S., University of Maryland. Rebel since 2008.

Smith, Christine

Associate Dean for Public Service, Compliance and Administration; B.S., Arizona State University; M.Ed., Northern Arizona University. Rebel since 1998.

Associate Dean and Graduate Coordinator

Durand, Frank D.

Associate Dean for Student Affairs; B.A., University of New Mexico; J.D., Stanford Law School. Rebel since 1998.

Assistant Dean

Martin, Layke

Assistant Dean for External Relations, B.A., University of Nevada, Las Vegas; J.D., Boston University School of Law. Rebel since 2011.

Faculty

Anderson, Rachel J.

Professor of Law; B.A., Zwischenpruefung, Humboldt-Universitaet zu Berlin; M.A., Stanford University; J.D., University of California, Berkeley School of Law. Rebel since 2007.

Bartrum, Ian C.

Professor of Law; B.A., Hamilton College; J.D., Vermont Law School; LL.M., Yale Law School. Rebel since 2011.

Bayer, Peter Brandon

York University; J.D., New York University School of Law; LL.M., Harvard Law School. Rebel since 2001.

Berger, Linda

Associate Dean for Faculty Development and Research; Family Foundation Professor of Law; B.S., University of Colorado-Boulder; J.D., Case Western Reserve University School of Law. Rebel since 2011.

Berkheiser, Mary E.

Joyce Mack Professor of Law; B.A., University of Arizona; J.D., University of Arizona College of Law. Rebel since 1998.

Birdsong, Bret C.

Professor of Law; B.A., Princeton University; J.D., University of California, Hastings College of the Law. Rebel since 2000.

Blakesley, Christopher L.

The Cobeaga Law Firm Professor of Law; B.A., University of Utah; M.A., The Fletcher School of Law and Diplomacy, Tufts University; J.D., University of Utah College of Law; LL.M., J.S.D., Columbia University School of Law. Rebel since 2002.

Carr, Jennifer

Director, Academic Success Program; B.A., University of Nevada, Reno; J.D., University of Nevada, Las Vegas School of Law. Rebel since 2009.

Correales, Robert I.

Professor of Law; B.A., University of North Texas; J.D., University of Kansas School of Law; LL.M., Georgetown University Law Center. Rebel since 1998.

Edwards, Linda

E. L. Cord Foundation Professor of Law; B.A., Florida State University; J.D., University of Tennessee College of Law. Rebel since 2009.

Franklin, Eric H.

Associate Professor of Law; B.A., The University of Texas, J.D., Cornell Law School. Rebel since 2013.

Garcia, Ruben J.

Professor of Law; A.B., Stanford University; J.D., University of California, Los Angeles School of Law; LL.M., University of Wisconsin Law School. Rebel since 2011.

Gordon, Sara G.

Associate Professor of Law; B.A., Pitzer College; J.D., University of Arizona College of Law. Rebel since 2007.

Griffin, Leslie C.

William S. Boyd Professor of Law; B.A., University of Notre Dame; M.A., M.Phil., Ph.D., Yale University; J.D., Stanford Law School. Rebel since 2012.

Hamilton, Daniel W.

Dean, Richard J. Morgan Professor of Law; B.A. Oberlin College; J.D., George Washington University Law School; Ph.D., Harvard University. Rebel since 2013.

Johnson, Lori D.

Associate Professor of Law; B.A., University of Notre Dame; J.D., Northwestern University School of Law. Rebel since 2010.

Kagan, Michael

Professor of Law; B.A., Northwestern University; J.D., University of Michigan Law School. Rebel since 2011.

Kindred, Kay P.

Ralph Denton Professor of Law; A.B., Duke University; J.D., Columbia University School of Law. Rebel since 1999.

LaFrance, Mary

IGT Professor of Intellectual Property Law; A.B., Bryn Mawr College; M.A., J.D., Duke University School of Law. Rebel since 1999.

Lazos, Sylvia

Justice Myron Leavitt Professor of Law; B.A., St. Mary's University; M.A., St. Mary's University; J.D., University of Michigan Law School. Rebel since 2003.

Lipman, Francine J.

William S. Boyd Professor of Law; B.A., University of California, Santa Barbara; M.B.A., San Diego State University; J.D., University of California, Davis School of Law; L.L.M., New York University School of Law. Rebel since 2012.

MacDowell, Elizabeth L.

Associate Professor of Law; B.A., California State University, Hayward; J.D., University of California, Berkeley School of Law. Rebel since 2010.

Main, Thomas O.

William S. Boyd Professor of Law; B.A., Grinnell College; J.D., Northeastern University School of Law. Rebel since 2012.

McAfee, Thomas B.

William S. Boyd Professor of Law; B.S., University of Utah College of Law; J.D., University of Utah College of Law. Rebel since 1998.

McGinley, Ann C.

William S. Boyd Professor of Law; B.A., Rosemont College; M.A., University of Delaware; J.D., University of Pennsylvania Law School. Rebel since 1999.

Nathanson, Rebecca

Interim Associate Dean for Experiential Education; James E. Rogers Professor of Education and Law; Associate Professor, Joint Appointment with Department of Educational Psychology; B.A., University of California, Los Angeles; M.A., University of California, Santa Barbara; Ph.D., University of California, Santa Barbara. Rebel since 2003.

Nussbaum, Lydia

Associate Professor of Law; B.A., Cornell University; J.D., University of Maryland School of Law. Rebel since 2013.

Pindell, Ngai

UNLV Vice Provost for Faculty Affairs; International Gaming Institute Professor of Law; Director of Gaming Programs; A.B., Duke University; J.D., Harvard Law School. Rebel since 2000.

Pollman, Terrill

Professor of Law; B.A., University of Arizona; J.D., University of Arizona College of Law. Rebel since 1998.

Price, Jeanne

Associate Dean for Academic Affairs; Professor of Law; Director of the Wiener-Rogers Law Library; B.A., Yale University; J.D., University of Texas School of Law; M.L.S., University of Maryland. Rebel since 2008.

Rapoport, Nancy B.

Special Counsel to the President, UNLV; Garman Turner Gordon Professor of Law; Affiliate Professor of Law & Ethics, Lee Business School; B.A., Rice University; J.D., Stanford Law School. Rebel since 2007.

Rolnick, Addie C.

Associate Professor of Law; B.A., Oberlin College; J.D., M.A., University of California, Los Angeles School of Law. Rebel since 2011.

Rowley, Keith A.

William S. Boyd Professor of Law; B.A., Baylor University; M.P.P., Harvard University; J.D., University of Texas School of Law. Rebel since 2001.

Scharf, Rebecca

Associate Professor of Law; B.A., Brandeis University; J.D. Harvard Law School. Rebel since 2004.

Shoben, Elaine

Judge Jack and Lulu Lehman Professor of Law; A.B., Barnard College; J.D., University of California, Hastings College of the Law. Rebel since 2005.

Stempel, Jeffrey W.

Doris S. and Theodore B. Lee Professor of Law; B.A., University of Minnesota; J.D., Yale Law School. Rebel since 1999.

Sternlight, Jean R.

Michael and Sonya Saltman Professor of Law; Director, Saltman Center for Conflict Resolution; B.A., Swarthmore College; J.D., Harvard Law School. Rebel since 2003.

Tanenhaus, David

James E. Rogers Professor of History and Law; Joint Appointment with Department of History; B.A., Grinnell College; M.A. and Ph.D., University of Chicago Law School. Rebel since 2002.

Tovino, Stacey

Lehman Professor of Law; Director, UNLV Health Law Program; B.A., Tulane University; J.D., University of Houston Law Center; Ph.D., University of Texas Medical Branch. Rebel since 2010.

Traum, Anne R.

Professor of Law; A.B., Brown University;
J.D., University of California, Hastings
College of the Law. Rebel since 2009.

Trimble, Marketa

Samuel S. Lionel Professor of Intellectual Property
Law; Mgr., JUDr., and Ph.D., Law School of
Charles University (Prague); J.S.M., and J.S.D.,
Stanford Law School. Rebel since 2010.

White, John Valery

Professor of Law; B.A. Southern University;
J.D., Yale Law School. Rebel since 2007.

Library Faculty**Gross, Jennifer**

Associate Professor; B.A., University of Pennsylvania;
J.D., Pace University School of Law; M.L.S., University
of Washington. Rebel since 1998.

Martineau, Andrew

Assistant Professor; B.A., University of Idaho;
J.D., DePaul University College of Law; M.L.I.S.,
University of Washington. Rebel since 2013.

McClure, David

Associate Professor; B.A., University of Nebraska
at Kearney; M.S.I.S., University of Texas School
of Information; J.D., University of Nebraska
College of Law. Rebel since 2009.

Saxon, Sean

Associate Professor; B.A., Michigan State
University; M.L.I.S. from Wayne State
University. Rebel since 1998.

Professors Emeriti**Grant, Douglas L.**

Professor of Law Emeritus; B.A., University
of Iowa; J.D., University of Colorado School
of Law. UNLV Emeritus 2010.

Henderson, Lynne

Professor of Law Emerita; B.A., Stanford University; J.D.,
Stanford Law School. UNLV Emerita 2010.

Morgan, Richard J.

Dean and Professor of Law Emeritus; B.A., University
of California, Berkeley; J.D., University of California,
Los Angeles, School of Law. UNLV Emeritus 2007.

Whitney, Jean M.

Professor of Law Emerita; B.A. and M.Ed.,
University of Minnesota; J.D., William Mitchell
College of Law. UNLV Emerita 2015.

Plans

Dual Degree: Master of Business Administration & Juris
Doctor (see Business Administration section for program
details).

Dual Degree: Doctor of Philosophy - Special Education
& Juris Doctor (see Early Childhood, Multilingual, and
Special Education section for program details).

Dual Degree: Doctor of Philosophy - Higher Education
& Juris Doctor (see Educational Psychology and Higher
Education section for program details).

Dual Degree: Doctor of Philosophy - Educational
Psychology & Juris Doctor (see Educational Psychology
and Higher Education section for program details).

Dual Degree: Master of Social Work & Juris Doctor (see
School of Social Work section for program details).

Juris Doctor Program Information (This program is
accredited by: ABA. More information can be found at:
unlv.edu/provost/vpaa/accreditation)

William S. Boyd School of Law Courses

LAW 502 - Contracts I **Credits 3**
Overview of basic contract law. Exploration of common law
legal method and the structure of Article 2 of the Uniform
Commercial Code in the context of issues of contract formation.
Prerequisites: Majors only, consent of instructor.

LAW 503 - Contracts **Credits 4**
Overview of basic contract law. Exploration of common law
legal method and the structure of Article II of the Uniform
Commercial Code in the context of issues of contract formation
and interpretation. Notes: May be repeated to a maximum of
four credits. Prerequisites: Majors only, consent of instructor.

LAW 505 - Lawyering Process I **Credits 1 – 4**
Students are introduced to basic legal research, interviewing
skills, effective use of legal authorities in legal analysis and the
conventions of predictive legal writing. The course is taught
using readings, exercises, simulations, extensive individual
feedback and conferences. Students will write several short
assignments as well as longer office memos. Prerequisites:
Majors only, consent of instructor.

**LAW 511 - Civil Procedure/Alternative Dispute
Resolution I** **Credits 4**
Exploration of the nature and structure of dispute resolution
systems, with a focus on formal adjudicatory procedure for
civil lawsuits while exposing students to the spectrum and
interrelation of dispute resolution systems. Topics covered
include jurisdiction, venue, rules of procedure, choice of
law. Notes: May be repeated to a maximum of four credits.
Prerequisites: Majors only, consent of instructor.

LAW 515 - Lawyering Process II **Credits 1 – 4**
Students continue to develop skills in legal research, analysis,
reasoning and writing. Focuses on writing persuasively as an
advocate, using increasingly complex simulations requiring
analysis of statutory and administrative law materials.
Assignments include letters to clients and attorneys, a trial
court memorandum and an appellate brief, staged to allow
for extensive individual feedback and instruction, and an oral
argument to a mock appellate court. Prerequisites: LAW 505,
majors only; consent of instructor.

LAW 517 - Constitutional Law I **Credits 3**
Examines judicial review, congressional power under the
Commerce, Taxing, and Spending Clauses and section five of
the Fourteenth Amendment; substantive due process rights;
the role of the states and national government under the
Tenth and Eleventh Amendments; and Separation of Powers.
Prerequisites: Majors only, consent of instructor.

LAW 519 - Contracts II Credits 3

Further exploration of Contracts I with an emphasis on interpretation of contracts. Prerequisites: Majors only, consent of instructor.

LAW 521 - Property I Credits 4

Acquisitions of property interest, estates in land and future interests, and landlord tenant. Notes: May be repeated to a maximum of four credits. Prerequisites: Majors only, consent of instructor.

LAW 523 - Torts Credits 4

Law of civil injuries, including legal protection of personality, property and relational interests against physical, economic, and emotional harms. Emphasis on intentional torts, negligence and strict liability. Prerequisites: Majors only, consent of instructor.

LAW 525 - Property II Credits 2 – 3

Real estate transactions, easements and other servitudes, public land use regulation. Notes: May be taken to a maximum of three credits Prerequisites: Majors only, consent of instructor.

LAW 531 - Civil Procedure and Alternative Dispute Resolution II Credits 2 – 3

Continuation of Civil Procedure and Alternative Dispute Resolution I. Topics covered include pretrial practice, pretrial dispositions, and court-imposed alternative dispute resolution mechanisms.

LAW 602 - American Legal History Credits 2 – 3

Examination of major issues in American legal history such as the role of lawyers in society and the role of law in developing the economy as well as the development of American legal institutions. Prerequisites: Majors only or completion of first-year law courses or consent of instructor.

LAW 603 - Federal Income Tax Credits 3

Overview of the code provisions governing the taxation of individual income and the basic concepts and legal doctrines which courts employ in implementing those provisions. Prerequisites: Majors only or completion of first-year law courses or consent of instructor.

LAW 604 - Administrative Law Credits 3

Examines the legal structure of federal and state government agencies; how they may be structured under the Constitution; how they issue and enforce regulations; and how they make decisions. Notes: Majors only or completion of first-year law courses or consent of instructor.

LAW 605 - Basic Bankruptcy Credits 3

Reviews the basic elements of business and consumer bankruptcy under federal bankruptcy statutes. Emphasis on problem solving and ethical issues. Prerequisites: Majors only or completion of first-year law courses or consent of instructor.

LAW 606 - Evidence Credits 3 – 5

Focuses on the Federal Rules of Evidence and the issues that arise out of their use. Provides understanding of the rules including both their theoretical basis and how they function in the courtroom. Addresses preparation and presentation of various kinds of evidence, including proof of writings; qualifications and examination of witnesses; privilege; opinion testimony; demonstrative, experimental, scientific evidence, determination of relevancy; application of the hearsay rule. Prerequisites: Majors only or completion of first-year law courses or consent of instructor.

LAW 607 - Family Law Credits 3

Basic family law. Covers legal construction of the family and relationship between the state and the family, marriage, divorce, custody, and adoption. Prerequisites: Majors only or completion of first-year law courses or consent of instructor.

LAW 608 - Insurance Law Credits 3

Overview of the theory and operation of insurance, including the marketing, underwriting, and claims process. Major forms of insurance surveyed with primary focus on issues of insurance policy construction and judicial resolution of recurring coverage issues. Prerequisites: Majors only or completion of first-year law courses or consent of instructor.

LAW 609 - Law and Literature Credits 1 – 3

Study of real or functional depictions of lawyers and the legal system from a literary perspective to gain a new understanding of the law. Prerequisites: Majors only or completion of first-year law courses or consent of instructor.

LAW 610 - Advanced Legal Analysis and Writing: Special Topics Credits 3

Analysis and writing about complex legal problems. Interpretation of various authorities and use of various forms of legal reasoning, types of argument, and techniques for clear and effective writing. Prerequisites: LAW 505, LAW 515, majors only, consent of instructor.

LAW 611 - Products Liability Credits 2 – 3

Analyzes the substantive law, underlying theory and policy, and practice of products liability—liability for injuries by defective consumer products. Prerequisites: Majors only or completion of first-year law courses or consent of instructor.

LAW 613 - Professional Responsibility Credits 3

Examines the law governing lawyers, the rules that govern how members of the legal profession, including judges as well as lawyers, may or must behave. Sources of these rules are many—the Constitution, statutes, procedural, evidentiary and court rules, and rules of professional conduct. Prerequisites: Majors only or completion of first-year law courses or consent of instructor.

LAW 614 - Real Estate Finance Credits 3

Mortgages, deeds of trust, installment land contracts, construction financing, mechanics' liens, sales and leasebacks. Prerequisites: Majors only or completion of first-year law courses or consent of instructor.

LAW 615 - Secured Transactions Credits 3

Covers Article 9 of the Uniform Commercial code with respect to taking security interests in personal property. Emphasis on interplay with real property security and bankruptcy, problem solving and ethical issues. Prerequisites: Majors only or completion of first-year law courses or consent of instructor.

LAW 616 - Criminal Law Credits 3

Introduction to criminal law with emphasis on principles of criminal liability. Prerequisites: Majors only or completion of first-year law courses or consent of instructor.

LAW 617 - Disability Law Credits 3

Examines the law of disability discrimination, focusing on the Americans with Disabilities Act of 1990 and other federal and state statutes, case law and regulations governing the civil rights of persons with disabilities to education, employment, public accommodations and housing. Prerequisites: Majors only or completion of first-year law courses or consent of instructor.

LAW 618 - Employment Discrimination Law Credits 3

Examines the law of employment discrimination, focusing on Title VII of the Civil Rights Act of 1964, the Civil Rights Act of 1991, the Age Discrimination Employment Act of 1967 and other federal and state statutes, case law and regulations protecting the civil rights of employees and job applicants. Prerequisites: Majors only or completion of first-year law courses or consent of instructor.

LAW 619 - Employment Law Credits 3

Surveys the law of employment relations focusing on common law exceptions to the employment at will doctrine through public policy, individual contracts, handbooks, and tort doctrine. Examines just cause provisions of the Model Termination Act. Analyzes common law and statutory protections afforded to employee speech and employee privacy, and examines federal wages and hours legislation. Prerequisites: Majors only or completion of first-year law courses or consent of instructor.

LAW 620 - Water Law Credits 3

Acquisition and exercise of private rights in water, public rights and environmental protection, water distribution organizations, interstate water allocation, and federal-state relations in water resource management. Prerequisites: Majors only or completion of first-year law courses or consent of instructor.

LAW 621 - Patents, Trademarks and Trade Secrets Credits 3

Study of the law relating to the protection of literary, artistic, and musical material; copyright law, including publication, subjects protected, and extent of protection; aspects of unfair competition, and right of privacy. Notes: May be repeated to a maximum of four credits. Prerequisites: Majors only or completion of first-year law courses or consent of instructor.

LAW 622 - Introduction to Gaming Law Credits 2 – 3

This course provides an overview of public policy issues; the federal role in gaming regulation; the economics of gaming; the creation of gaming control systems; the licensing process; ethical requirements for the gaming lawyer; accounting, internal controls and taxation; gaming contracts; gaming crimes; advertising; entertainment; the legislative process; problem gambling; and practical approaches to legal representation. Prerequisites: Majors only or completion of first-year law courses or consent of instructor.

LAW 624 - Constitutional Law II Credits 3

Examines the Equal Protection Clause of the Fourteenth Amendment and related topics and the First Amendment's Free Speech and Free Press Clauses. Prerequisites: Majors only or completion of first-year law courses or consent of instructor.

LAW 625 - Federal Indian Law Credits 3

Anthropological, historical, and legal study of the American Indians, including a focus on American Indian traditional law and values, federal policy and current legal issues. Notes: May be repeated to a maximum of four credits. Prerequisites: Majors only or completion of first-year law courses or consent of instructor.

LAW 626 - Business Organizations I Credits 3 – 4

Examines different forms of business organization, including corporations, partnerships and limited liability companies. Focuses on similarities and differences among these forms, and examines the roles, responsibilities and rights of the persons involved in business organizations. Does not cover federal regulation of securities or issuers. Prerequisites: Majors only or completion of first-year law courses or consent of instructor.

LAW 627 - Pretrial Litigation Credits 3

Hands-on experience of the pre-trial litigation process in the federal court system. Students act as lawyers in a simulated civil case, interviewing and counseling clients, conducting legal research, drafting pleading, engaging in discovery practice, settlement negotiations and pre-trial motion practice. Prerequisites: Majors only or completion of first-year law courses or consent of instructor.

LAW 628 - Payment Systems Credits 3

Examine the legal rules regarding how goods and services are paid for. Includes portions of Articles 3 and 4 of the Uniform Commercial Code, federal statutes regarding credit and debit cards, and the rules regarding negotiable instruments.

LAW 629 - Copyright Credits 3

Covers federal copyright law and the state law right of publicity, with minor attention to some closely related doctrines. Fundamental principles and public policy questions of federal copyright law. Although some state law doctrines examined from time to time, copyright laws in the United States is almost exclusively federal. For students whose career interests include intellectual property or entertainment law. Also recommended for those interested in communications law, general business transactions, and/or commercial litigation. Notes: May be repeated to a maximum of four credits.

LAW 630 - Community Property Credits 1 – 3

Examines the law dealing with the classification, management and distribution of property acquisition within the community property jurisdictions of the United States. Prerequisites: Majors only or completion of first-year law courses or consent of instructor.

LAW 631 - Remedies Credits 2 – 4

Explores what lawyers and courts do to help someone who has been, or is about to be, wronged. In-depth look at the four major categories of remedies: damages, coercive remedies, declaratory relief and restitution. Prerequisites: Majors only or completion of first-year law courses or consent of instructor.

LAW 632 - Wills, Trusts and Estates Credits 2 – 3

Examines intestate succession, family protection, execution of wills, will contests, will substitutes, creation of trusts, modification and termination of trusts, administration of estates and trusts. Prerequisites: Majors only or completion of first-year law courses or consent of instructor.

LAW 633 - Land Use Regulation Credits 2 – 3

Focuses on public regulation of land use, including zoning, subdivision regulation, regulation of urban growth, etc. Include the planning process, constitutional limitations on land use controls, state and regional regulation, aesthetic regulation and discriminatory zoning, and private land use alternatives. Prerequisites: Majors only or completion of first-year law courses or consent of instructor.

LAW 634 - Federal Courts Credits 2 – 3

Examines federal jurisdiction and the law of federal-state relations. Covers federal judicial powers, congressional allocation of jurisdiction, choice of law, district court jurisdiction, appellate review, civil judicial reform, 42 USC Section 1983, Implied Right of Action, 11th Amendment and Federal Habeas Corpus. Prerequisites: Majors only or completion of first-year law courses or consent of instructor.

LAW 635 - Conflict of Laws Credits 2 – 3

Focuses on the problem of choosing which jurisdiction's law should be applied to transactions, relationships, or events with contracts in more than one jurisdiction. Prerequisites: Majors only or completion of first-year law courses or consent of instructor.

LAW 636 - Child, Parent and the State Credits 2 – 3

Explores the legal relationships between children, their parents, and the state, covering such issues as the child as an autonomous being, the child's role in the family, family autonomy, and the obligations of parents and the state to children. Prerequisites: Majors only or completion of first-year law courses or consent of instructor.

LAW 637 - Sales and Leases Credits 2 – 3

Examines the laws governing sales and leases of goods, including Articles 1, 2 and 2A of the Uniform Commercial Code, the U.N. Convention on Contracts for the International Sale of Goods, and the Uniform Electronic Transactions Act. Prerequisites: Majors only or completion of first-year law courses or consent of instructor.

LAW 638 - Education Law and Policy Credits 2 – 3

Examines six distinct and highly visible areas of education law and policy, primarily in K-12: compulsory education; school governance and due process; school finance; private schools; religion and public schools; and, equal educational opportunity.

LAW 639 - Feminist Jurisprudence Credits 2 – 3

Explores feminist theory in relation to the law. Examines the historical foundations of women's legal subordination as well as the various strands of feminist legal theory. Specific units of study may include topics such as affirmative action, comparable worth, work and family, education, sexual harassment, domestic violence, the teaching and practice of law, pornography and free speech, abortion and others. Prerequisites: Majors only or completion of first-year law courses or consent of instructor.

LAW 640 - Labor Law Credits 2 – 3

Explores the employer-employee-union relationship, its historical and economic development and its modern statutory framework.

LAW 641 - Entertainment Law Credits 2 – 3

Surveys a wide range of legal issues pertinent to live and recorded entertainment, including intellectual property rights, contract formation and breach, regulatory schemes, labor issues, and First Amendment considerations. Prerequisites: LAW 629

LAW 642 - Law and Social Justice Credits 2 – 3

Examines the role of law in creating, perpetuating, and dismantling hierarchies of power and privilege in society, particularly those based on social/ethnic groupings, gender, socio-economic class, sexual orientation, and disabilities. Enables students to read law critically with an understanding of the ways in which techniques, practices and rhetorical strategies can exclude and subordinate based on categories of identity.

LAW 643 - Legislation and Statutory Interpretation Credits 2 – 3

Explores some of the various procedural, constitutional, and jurisprudential issues raised by a study of the unique role that state and federal legislatures play in constitutional order. Prerequisites: Majors only or completion of first-year law courses or consent of instructor.

LAW 644 - Juvenile Law Credits 2 – 3

Examines the procedural and substantive law and judicial administration relating to juvenile justice. Primary area of concentration: rights of accused juvenile, police conduct and detention, reference for adult prosecution, adjudication, treatment vs. punishment, and the roles of the lawyer in the juvenile court system. Prerequisites: Majors only or completion of first-year law courses or consent of instructor.

LAW 645 - Lawyering Theory and Practice Credits 2 – 4

Students study and perform a range of tasks and services performed by practicing attorneys in the representation of clients. Exercises include counseling, assessment of legal problems, efforts for resolution and claims activity, including litigation and defense through complaints, motions, discovery, and trial-related activity.

LAW 646 - Cyberlaw Credits 2 – 4

Study of legal issues attending use of computers and electronic communications and commerce, including intellectual property concerns related to cyberspace and features such as websites, e-commerce and communications. Notes: LAW 629 is strongly recommended.

LAW 647 - Civil Rights Litigation Credits 2 – 4

Students examine, analyze and evaluate the various stages of a complex case involving a civil rights claim made pursuant to the Constitution, federal anti-discrimination statutes, or common law. Prerequisites: LAW 515, majors only, consent of instructor.

LAW 648 - Health Care Liability and Quality Regulation Credits 3

Explores ways in which the law promotes the quality of health care through licensing, certification, and accreditation of health care professionals and institutions and also addresses liability issues in the health care context. Prerequisites: Majors only or completion of first-year law courses or consent of instructor.

LAW 649 - Taxation of Business Entities Credits 2 – 3

Surveys federal income taxation of business entities and their owners, including corporations, partnerships, LLC's, and LLP's. Prerequisites: LAW 603, majors only or completion of first-year law courses or consent of instructor.

LAW 650 - Estate and Gift Tax Credits 1 – 3

Examines the federal taxation regime applicable to gifts and inheritances. Prerequisites: Majors only or completion of first-year law courses or consent of instructor.

LAW 651 - Environmental Quality Law Credits 2 – 3

Provides an overview of the law and policy of environmental quality and pollution control. Addresses the origins and development of modern statutory environmental law as it relates to the various media: air, water and soil. Prerequisites: Majors only or completion of first-year law courses or consent of instructor.

LAW 652 - International Public Law Credits 2 – 3

Introduction to the doctrines, institutions and methodology of modern international law. Students examine the legal systems governing relations among states, and their expansion to non-state actors. Also analyzes the application of international law in domestic courts, international tribunals and organizations, doctrines of jurisdiction and immunities and human rights. Prerequisites: Majors only or completion of first-year law courses or consent of instructor.

LAW 653 - Criminal Procedure I Credits 3

Basic course in criminal procedure. Covers laws regulating daily interactions of police and public, including laws of search and seizure and of interrogations. Does not cover rights subsequent to interrogation. Prerequisites: Majors only or completion of first-year law courses or consent of instructor.

LAW 654 - Public Lands and Natural Resources Law Credits 2 – 3

Provides an introduction to federal public lands and natural resources law. Focuses on the laws and legal systems that govern the classification and use of the federally owned lands comprising a third of America and the vast majority of the West. Examines major resource areas, including: minerals, timber, range, wildlife, recreation, wilderness, and cultural resources. Explores the interplay between environmental, economic, cultural, social and political factors in managing national parks, forest, and the public domain. Prerequisites: Majors only or completion of first-year law courses or consent of instructor.

LAW 655 - Securitization Credits 2 – 3

Examines the financing technique of securitization and its various legal underpinnings. Securitization is a trillion dollar industry that raises issues in corporate finance, secured transactions, bankruptcy and securities regulation. Prerequisites: Majors only or completion of first-year law courses or consent of instructor, and LAW 615 or LAW 626.

LAW 656 - Business Organizations II Credits 2 – 3

Covers the law of publicly-traded corporations. Special attention will be given to the fiduciary duties of boards of directors; management, and controlling shareholders; proxy regulation and shareholder voting; insider trading; shareholder litigation and mergers and acquisitions. Prerequisites: Majors only or completion of first-year law courses or consent of instructor.

LAW 657 - Antitrust Credits 1 – 3

Basic legal framework for regulating conduct to undermine competitive markets. Topics include antitrust regulation of horizontal agreements between competitors to restrain trade, such as price-fixing, output restrictions, boycotts and mergers; vertical agreements between suppliers and purchasers such as distributional restraints, exclusive dealing and tying; and unilateral conduct, such as monopolization and attempted monopolization. Role of antitrust law in today's technological environment. Prerequisites: Majors only or completion of first-year law courses or consent of instructor.

LAW 658 - Immigration Law Credits 1 – 3

Covers legal issues and policies pertaining to non-citizens of the United States, including the regulation of admission, exclusion, and deportation of immigrants seeking to enter the United States. Rights of non-citizens who are in U.S. territory in the areas of health, education, and labor. Topics covered from various perspectives, including constitutional law, international human rights, comparative law, ethics and morality and history. Prerequisites: Majors only or completion of first-year law courses or consent of instructor.

LAW 659 - First Amendment Rights Credits 2 – 3

Explores in depth critical First Amendment Freedoms—Freedom of Expression and Association, Freedom of Press and Media, and Freedom of Religion. Prerequisites: Law 517

LAW 660 - Banking Law Credits 3

Basic understanding of the federal and state laws governing traditional commercial banks and financial institutions in the United States. At the end of the course, the students will have a solid foundation which they can use to study more specific areas of law regarding such institutions. Prerequisites: Majors only or completion of first year law courses or consent of instructor

LAW 661 - Federal Taxation Credits 1 – 5

Surveys the three major federal tax topics: income tax (two-fifths of course), taxation of business entities (two-fifths), and estate and gift tax (one-fifth). Students may enroll for all three components (5 credits), or two components, or one component (credits depending on components taken). Prerequisites: Majors only or completion of first year law courses or consent of instructor.

LAW 662 - Civil and Criminal Tax Litigation Credits 1 – 3

Examines tax controversy resolution mechanism. Not limited to tax students. Helpful for all interested in litigation career, including civil litigation and white collar crime. Also, good to hone drafting skills. Students prepare pleadings, memos, and other controversy-related documents. Notes: May be repeated to a maximum of three credits. Prerequisites: Majors only or completion of first year law courses or consent of instructor.

LAW 663 - Advanced Issues in Tax Credits 2 – 3

Seminar. In consultation with the professor, students select a topic of current interest and importance in federal, state, or international taxation. Notes: Students write research papers on topic and present and defend them in class. Prerequisites: Majors only or completion of first year law courses, or consent of instructor.

LAW 664 - Criminal Procedure II Credits 3

Covers law and practices between the time defendant is charged and final disposition and sentencing. Includes prosecutorial discretion, bail, plea bargaining right to counsel, due process, sentencing, and post-conviction review. Prerequisites: Majors only or completion of first year courses or consent of instructor.

LAW 665 - Health Care Organization and Finance Credits 3

Laws and legal issues relating to the organization and operation of health care enterprises and the financing of health care services. Notes: Prior or concurrent enrollment in LAW 626

desirable but not required. Prerequisites: Majors only or completion of first year courses or consent of professor.

LAW 666 - Domestic Violence and the Law Credits 3

Examines violence against women and others in intimate relationships and the ways in which the law impacts and is impacted by domestic violence. Explores the history and social context of domestic violence and the dynamics and dimensions of abusive relationships. Prerequisites: Majors only or completion of first year courses or consent of professor.

LAW 667 - International Criminal Law Credits 3

Covers the basics of public international law in the context of international criminal law including the nature of international crime, aspects of the international substantive system of laws, and specific offenses, as well as how this law is adjudicated and enforced. Specific offenses covered will include both international and transnational crimes as well as the procedural and adjudicative mechanisms established to deal with these offenses. Prerequisites: Majors only or completion of first year law courses or consent of instructor.

LAW 668 - Commercial Law: Core Concepts in Secured Transactions and Payments Systems Credits 4 – 5

Gives students a familiarity with, and the ability to manipulate, basic concepts in secured transactions (Article 9 of the Uniform Commercial Code) and certain aspects of payment systems (Articles 3,4 and 5 of the Uniform Commercial Code). Prerequisites: Majors only or completion of first year law courses or consent of instructor.

LAW 669 - Legal Drafting: Special Topics Credits 3

Drafting legal documents such as contracts, leases, wills, by-laws, and employment agreements. Recognizing the importance of determining the client's objectives, researching the relevant law, organizing the document effectively, and drafting with accuracy, clarity, brevity, and appropriate tone. Prerequisites: LAW 505, LAW 515; majors only; consent of instructor.

LAW 670 - Alternative Dispute Resolution Survey Credits 3

Students learn about negotiation, mediation, arbitration, and other forms of dispute resolution that are alternative or supplemental to litigation. The course will include theory, discussion, simulations, and lectures. Prerequisites: 500-level courses; majors only; consent of instructor.

LAW 671 - Judicial Writing Credits 3

Introduction to style and form of judicial writing. Researching and writing on problems typically handled by trial or appellate courts. Exploration of the roles of courts in America's law and society, the internal workings of courts, and the roles and ethical obligations of various court staff. Prerequisites: LAW 505, LAW 515; majors only; consent of instructor.

LAW 672 - International Business Transactions Credits 3

Explores a wide range of legal problems involving international trade, licensing, and investment issues. Prerequisites: Majors only or completion of first-year law courses or consent of instructor.

LAW 673 - Estate Planning Credits 3

Cover various estate planning strategies, including but not limited to, the estate planning process, wills and living trusts, gifting considerations, life insurance, limited partnerships and limited liability companies and charitable giving. Prerequisites: LAW 632, LAW 650, majors only or permission of instructor.

LAW 674 - Perspectives on the Law—History and Jurisprudence Credits 3

Explores American Legal History and the best thinking about the nature of law and how it functions. Prerequisites: Majors only or permission of instructor.

LAW 675 - State and Local Taxation Credits 1 – 3

Explores the state and federal constitutional limits on state taxation and the principle kinds of state taxes: income, sales and property taxes. Prerequisites: Majors only or completion of first-year law courses or consent of instructor.

LAW 676 - Intellectual Property Licensing Practicum Credits 3

Covers the fundamentals of intellectual property licensing agreements with emphasis on drafting techniques for licenses involving patents, copyrights, trademarks, databases, and/or trade secrets. Notes: This course satisfies the third semester Lawyering Process requirement. Prerequisites: LAW 505, and LAW 515, LAW 621 or LAW 629.

LAW 677 - Nevada Civil Practice Credits 2-3

This course covers the basic areas of civil practice [actions, pleadings, civil procedure, evidence, and remedies], and will explore their particular applications [from selection, discovery tactics, litigation and trial strategy, professional ethics]. Prerequisites: Majors only or completion of first year law courses or consent of professor.

LAW 678 - U.S. Federal Gaming Law Credits 3

This course will provide basic information about federal gambling law, including laws concerning Native American casinos, interstate wagering, international wagering, transportation of wagering devices and online wagering.

LAW 679 - Advanced Writers' Group Credits 1

The Advanced Writers' Group helps students become more effective legal writers by providing opportunities for them to respond to others' writing and to receive feedback on their own writing. Notes: S/F grading only.

LAW 680 - International Intellectual Property Credits 3

This course covers the principles, treaties and mechanisms that regulate intellectual property at the international level (particularly copyright, patents, trademarks and internet domain names) and surveys the differences in the intellectual property laws of various countries.

LAW 681 - Critical Race Theory Credits 2-5

This course will explore the relationship between race and the law from the perspective of Critical Race Theory (CRT). It covers the origins of the literature and contrasts CRT with other frameworks. The course also covers major theoretical themes as well as questions and criticisms raised about CRT.

LAW 689 - Resort & Hotel Casino Law Credits 3

The course will explore the legal issues that arise from the operation of a resort hotel and casino, using Nevada companies as typical examples. Although many of the topics discussed will be relevant to non-gaming resorts, this course emphasizes legal issues relating to the presence of gaming in resorts. The course is designed to provide an understanding of the array of legal issues associated with the operation of a resort hotel and the laws applicable to those issues. Legal issues will be identified and analyzed, and solutions will be discussed in the context of resort hotel and casino business operations.

LAW 710 - The Bill of Rights in Law and History Credits 2 – 3

Read recent works on the Bill of Rights and consider contemporary and historical questions about the meaning and purpose of the Bill of Rights or one of its particular provisions. Topics include federalism, populism, the role of reason in conceptualizations of the Constitution and Bill of Rights, the problem of unenumerated rights and issues raised by the incorporation controversy. Prerequisites: Law 517

LAW711-Children in Society: Selected Problems Credits 2–3

Examines issues related to laws and policy governing the place and treatment of children in American society. Specific issues vary somewhat based on current events and student interest, but generally focus on legal and policy issues affecting the meaning of the state's parents-partial obligation, the parent-child relationship and the family.

LAW 712 - Trial Advocacy Credits 2 – 4

Students design, execute, and practice the lawyering tasks specifically associated with actual courtroom trials, including opening statements, direct examination, cross-examination, evidentiary objectives, and closing arguments. Students perform these tasks in the context of hypothetical cases. Prerequisites: Prior or concurrent enrollment in LAW 606 and LAW 515.

LAW 713 - Interviewing, Counseling and Negotiations Credits 2 – 4

Studies three principal forms of lawyering that take place outside the courtroom. Examines issues of client relations, decision-making and ethics in dealing with opponents as well as in guiding clients. Simulated exercises performed by students. Prerequisites: LAW 610

LAW 714 - Alternative Dispute Resolution Practicum Credits 2 – 4

Engages in simulated situations involving various means of alternative dispute resolution in action, including simulated forms of mediation, arbitration, and various hybrids of ADR. Prerequisites: LAW 531

LAW 715 - Mediation Credits 2 – 3

Examines the theory, practice, and public policy of mediation. Focusing particularly on issues of relevance to attorneys representing clients in mediation, the course will include simulations. Prerequisites: Majors only or completion of first year law courses or consent of instructor.

LAW 716 - Society of Advocates Credits 1 – 3

Students participate in forensic competitions, such as moot court and trial practice, involving legal research and analysis and brief writing as well as oral arguments or other advanced lawyering tasks. Prerequisites: LAW 515, majors only; consent of instructor.

LAW 717 - Arbitration Credits 2 – 4

Examination of the history and use of arbitration as well as its current legal status. Focus will be on substantive legal doctrines of arbitration particularly enforcement of arbitration agreements, and on arbitration procedure, particularly the manner in which arbitration may be conducted in various contexts. Prerequisites: LAW 610

LAW 718 - Advanced Advocacy: Special Topics Credits 3

Analysis and writing about complex legal problems and writing documents that would be submitted to a court or quasi-judicial decision-maker. Prerequisites: LAW 505 and LAW 515; majors only; consent of instructor.

LAW 719 - Negotiation Credits 2 – 3

Examines the theory, practice, and public policy of negotiation. Focusing particularly on issues of relevance to attorneys representing clients in negotiation, the course will include numerous simulations. Prerequisites: Majors only or completion of first year law courses or consent of instructor.

LAW 720 - Trial Evidence Credits 2

This course is designed to move evidence from a group of rules grounded in theory to their application in adversarial proceedings. Prerequisites: LAW 606.

LAW 721 - Criminal Evidence Credits 2

An in-depth exploration of the evidentiary issues that often come into play in criminal trials. Prerequisites: LAW 606 and LAW 616.

LAW 722 - International Commercial Arbitration Credits 2

This course introduces students to the fundamentals of international commercial arbitration, including drafting an effective arbitration clause, selection of arbitrators, proceedings before arbitrators, enforcement, and challenge of awards.

LAW 723 - Economics and the Law Credits 3

Application of economic analysis to the topics confronted in litigation. Topics include: microeconomic theory, property rights, contracts, torts, discrimination, eminent domain, copyrights, patents, antitrust and criminal law. Prerequisites: ECO 302 or MBA 710, or consent of instructor.

LAW 724 - Law Practice Management Credits 1 – 3

Study how to maintain law practice for clients, including not only law office management but also issues of handling client funds, legal ethics, and economics of successful law practice. Prerequisites: Majors only or completion of first-year law courses or consent of instructor.

LAW 725 - Gaming Policy Seminar Credits 1 – 3

Studies gaming policy and sophisticated legal issues surrounding gaming law and regulation, primarily through case studies. Focuses on legislative and administrative action as well as litigation. Prerequisites: Majors only or completion of first-year law courses, LAW 622 or consent of instructor.

LAW 726 - Separation of Powers Law Credits 2 – 3

Explores the separation of powers in federal constitutional system. Topics covered include allocation of authority in the Constitution relating to the conduct of American foreign policy and the conduct of war-making activities. Prerequisites: Majors only or completion of first-year law courses or consent of instructor.

LAW 727 - International Human Rights Law Credits 2 – 3

Studies the norms, procedures, and the actors of international human rights. Explores the U.S. role in international human rights, the US policies that motivate its involvement, and the significance of international human rights as US domestic law. Explores the legal and moral complexities of implementing universal principles of human rights and introduce the mechanics of the practice of human rights domestically and internationally. Prerequisites: Majors only or completion of first year law courses or consent of instructor.

LAW 728 - Bioethics and the Law Credits 2 – 3

Seminar explores law and policy relating to bioethical issues. Coverage of issues varies somewhat based on current events and student interest. Topics may include abortion, genetic screening, defining death, the "right to die," and research involving human subjects. Prerequisites: Majors only, consent of instructor.

LAW 729 - Advanced Legal Research Credits 1 – 3

Expands the research skills that have been introduced in Lawyering Process I as well as introduce new topics. Focuses on practitioner oriented materials and their use. In addition, research in specific subject areas also explored. Prerequisites: Majors only, consent of instructor; LAW 505, LAW 515.

LAW 730 - Business Bankruptcy Credits 2 – 3

Studies financially distressed businesses with emphasis on business reorganizations under Chapter 11 of the Bankruptcy Code. Emphasizes lawyering skills and may include students representing parties in a simulated Chapter 11. Prerequisites: Majors only, or completion of first year courses or consent of professor; either LAW 605 or LAW 615.

LAW 731 - Seminar in Race, Gender, Sexual Orientation and the Law Credits 2 – 3

Students select the specific topics covered. Examines race, ethnicity, culture, gender, and sexual orientation and how legal norms address tensions raised by such diversity.

LAW 732 - Privacy and Drones Credits 3

This course examines the legal issues posed by unmanned aerial systems, better known as drones. Topics include the torts for invasion of privacy, Fourth Amendment limits on government surveillance, the First Amendment right to gather information, intellectual property, trespass, product liability, and national security Prerequisites: Majors only or completion of first year courses or consent of professor.

LAW 733 - Advanced Intellectual Property Seminar Credits 2 – 3

Course covers advanced topics in copyright, trademark and unfair competition law, trade secrets, and patent law. Prerequisites: LAW 621, LAW 629, majors only or completion of first-year law courses or consent of instructor.

LAW 734 - Income Taxation of Estates and Trusts Credits 1

Examines federal income taxation of estates, trusts, and income in respect of decedent. Considers effect on estate, planning and administration. Prerequisites: LAW 603, majors only, completion of first-year courses or consent of instructor.

LAW 735 - U.S. Taxation of International Transactions Credits 1 – 3

Examines how the federal income tax applies to outbound (U.S. persons doing business abroad) and in-bound (foreign persons doing business in U.S.) transactions. Also examines tax treaties. Prerequisites: LAW 603, majors only or completion of first-year law courses or consent of instructor.

LAW 736 - Securities Regulation Credits 1 – 3

A study of federal and state securities regulation, including statutes, administrative rules, decisions and interpretations, cases governing the duties of participants in securities offerings, and other securities transactions. Coverage will include registration, disclosure, and antifraud provisions and, time permitting, may include international and comparative topics. Notes: While not required, students without an undergraduate or graduate business degree or comparable work experience are encouraged to take Law 626, prior to taking this course. Prerequisites: Completion of first-year law courses or consent of instructor.

LAW 737 - Workers Compensation Credits 2-3

Students will gain an effective understanding of Worker's Compensation law, as it is practiced in most jurisdictions, with emphasis on the rights of workers to compensation, the administration of claims and the evaluation of individual cases. Prerequisites: Majors only or completion of first year law courses or consent of professor.

LAW 738 - Death Penalty Seminar Credits 2-3

This courses addresses the law of capital punishment and constitutional requirements. Emphasis is on Nevada's death penalty statutes and Nevada Supreme Court Death penalty jurisprudence, policy issues implicated by capital punishment, and responsibilities of lawyers who handle capital cases. Notes: It is strongly recommended that students complete LAW 653 and LAW 664. Prerequisites: Majors only or completion of first year law courses or consent of professor.

LAW 739 - Community Law Credits 3-4

Students learn about the law through both classroom study and structured field experiences in which they apply what they learn by providing law-related services to community partners. Students will also develop their awareness of ethical issues, the social and cultural contexts of legal institutions, and the value of civic engagement. Prerequisites: Majors only, completion of first-year law courses or consent of instructor.

LAW 750 - Congressional Externship Credits 3 – 6

Explores the legislative process by placing students in legislative offices in Washington D.C. Prerequisites: Majors only or completion of first-year law courses or consent of instructor.

LAW 751 - Judicial Externship Credits 3 – 7

Explores the role of the judiciary in the legal system by means of in-class discussions and field placements in judicial chambers in federal and state courts in the state of Nevada. Prerequisites: Majors only, consent of instructor.

LAW 752 - Legislative Externship Credits 1 – 12

Explores the state legislative process by placing students in the Legislative Counsel Bureau Office in Carson City and Las Vegas. Students are assigned to work with the Legislative Counsel Bureau, the House and Senate Judiciary Committees and interim committees. Prerequisites: Majors only or completion of first-year law courses or consent of instructor.

LAW 760 - Law Journal Credits 1 – 3

Academic credit for successful completion of work by a member of the Nevada Law Journal. Grading S/F grading only. Prerequisites: Successful completion of writing competition and selection by the instructor.

LAW 761 - Gaming Law Journal Credits 1-3

Academic credit for successful completion of work by a member of the Gaming Law Journal. Notes: May be repeated to a maximum of 6 credits. Grading S/F grading only Prerequisites: Graduate standing

LAW 769 - Education Clinic Credits 3 – 6

Students will represent children and their adult educational decision makers in educational matters in administrative foray including informal and formal hearings within Nevada school systems and possibly in state and federal court. Students, teamed with professionals from other disciplines, will also work on educational policy and advocacy. Prerequisites: Completion of thirty credits; majors only; permission of instructor. Completion of thirty credits; majors only; permission of instructor.

LAW 770 - Family Justice Clinic Credits 1 - 6

This clinic explores the role of families in society, the strengths and weaknesses of state intervention into families, and the meaning of access to justice for children and parents. Students represent children, parents or guardians in family cases including termination of parental rights, guardianship, and other family matters. Cases involve contested trials, negotiations, administrative advocacy, and cutting edge legal and policy issues. Notes: In order to represent clients in court, students must be licensed under Nevada's student practice rule. Course also has classroom component. Prerequisites: Completion of 30 law school credits.

LAW 771 - Juvenile Justice Clinic Credits 1 – 6

Under direct supervision of the professor, students represent juveniles in juvenile court and district court proceedings involving charges of criminal conduct. To represent these clients, students must be licensed under Nevada's student practice rule for court appearances. Course also has classroom component. Prerequisites: LAW 616, LAW 613, majors only or completion of first-year courses or consent of instructor.

LAW 772 - Special Topics: Mediation Clinic Credits 1-6

Students will study theories of conflict, negotiation and mediation. They will be exposed to many different models of mediation and learn to choose the interventions and techniques appropriate for different settings. Students receive practical and theoretical training in mediation theory and apply what they learn by mediating live cases in their weekly 4-hour placement in a variety of community venues. Prerequisites: Completion of first-year law courses, interviewed by and permission of instructor.

LAW 773 - Government & Public Interest Externship Credits 1 – 12

Designed to provide experiential learning opportunities in a variety of public law agencies including the offices of the U.S. Attorney, Special Public Defender, Clark County District Attorney, Federal Defender, and others. Notes: Supervised fieldwork is coupled with a weekly seminar. Corequisite/Prerequisite: Pre or Corequisite: Professional responsibility.

LAW 774 - Capital Defense Clinic Credits 1 – 6

Under direct supervision of the professor, students work on legal teams representing capital defendants. The classroom component of the course will emphasize death penalty law, lawyering skills, and professionalism issues. Notes: Students must be able to be certified for student practice under the applicable court rules. Prerequisites: Second year standing.

LAW 775 - Immigration Clinic Credits 1 – 6

Under direct supervision of the professor, students represent clients in judicial and administrative proceedings involving immigration and related matters. The course will have a classroom component emphasizing immigration and naturalization law, lawyering and professionalism. Notes: Students must be eligible to represent clients under the applicable student practice rules.

LAW 776 - Natural Resources Field Seminar Credits 2

Course offers students an opportunity to explore advanced natural resources law issues both in the field and through traditional classroom discussion and research. Topics include rangeland management, wildlife management, endangered species protection, forest management, the Colorado ecosystem and fire management. Prerequisites: LAW 654 or LAW 620 or consent of instructor.

LAW 777 - Community Law Practicum Credits 1-2

A "companion course" that students take to add a practical application component to a doctrinal course. Students will work, individually or in teams, on a research, investigative or litigation project, undertaken in collaboration with community partners selected or approved by the professor teaching the doctrinal course. Prerequisites: Majors only, completion of first-year law courses or consent of instructor.

LAW 778 - Innocence Clinic Credits 1-6

This course will teach about the systemic causes of wrongful convictions and the legal remedies for actually innocent clients. Students enrolled in the course will work on Nevada claim of innocence cases referred from the Rocky Mountain Innocence Center and work on policy projects to improve the criminal justice system. Prerequisites: Completion of 30 law school credits.

LAW 779 - Appellate Clinic Credits 1-6

Students will represent clients on appeal in the Ninth Circuit Court of Appeals, the United States Supreme Court, or the Nevada Supreme Court. These appeals may include direct criminal appeals or civil appeals. Students will develop expertise in appellate counseling, strategy, legal research, storytelling, and oral and written advocacy. Prerequisites: Completion of 45 law school credits.

LAW 780 - Directed Readings **Credits 1 – 3**

Students earn credit for completing readings under the supervision and approval of a faculty member. Prerequisites: Majors only; consent of instructor required.

LAW 781 - Directed Research **Credits 1 – 3**

Students research and write about a legal topic of their choice under the guidance and supervision of a faculty member who has approved their choice of topic. Students further their knowledge of the area, as well as their legal research and writing skills. Prerequisites: Majors only, consent of instructor.

LAW 782 - Directed Clinical Practice **Credits 0-3**

This course enables students to do clinical legal work under the supervision of law school faculty, and to be certified to engage in limited practice as a student attorney under applicable rules. Prerequisites: Completion of 30 credits and faculty permission.

LAW 783 - Advanced Clinic **Credits 1-3**

Offers clinical opportunity for students who have completed an in-house clinic to pursue advanced projects or continue client representation in an ongoing matter. Students may earn 1 to 3 credits based on hours of legal work anticipated: 45 hours for one credit, 90 hours for two credits, 135 hours for three credits. Prerequisites: Completion of 30 credits and faculty permission.

LAW 790 - Special Topics in Law **Credits 2 – 4**

Involves the study of a specialized topic in law that is not covered elsewhere in the law school curriculum. The particular topic will be announced during registration for the semester in which the course is offered. Notes: May be repeated to a maximum of six credits. Prerequisites: Majors only or completion of first year law courses or consent of instructor.

College of Liberal Arts

The College of Liberal Arts offers doctoral programs in anthropology, English, history, political science, psychology and sociology. Eight master of arts degrees along with an MFA in creative writing are also available. Ranging across the college's two subdivisions of the humanities and social sciences, these programs are ably staffed by nationally recognized scholars. These faculty members, who have earned advanced degrees from many of the nation's most prestigious universities, actively pursue research and creative activities that advance their professions and often benefit the larger community. These endeavors are especially important since graduate education requires an understanding of the methodology for producing knowledge as well as the mastery of bodies of information. Small classes and individual attention further enhance the learning experience of each of these programs. In short, prospective graduate students in the College of Liberal Arts may confidently expect to participate in programs characterized by rigorous intellectual pursuit and careful, conscientious instruction.

Jennifer Keene, Ph.D., Dean

Denise Tillery, Ph.D., Associate Dean

John Tuman, Ph.D., Associate Dean

Programs

Anthropology

English

History

Philosophy

Political Science

Psychology

Sociology

World Languages and Cultures

Interdisciplinary Gender and Ethnic Studies

Plans

Graduate Certificate in Social Science Methods

Graduate Certificate in Social Science Methods

Plan Description

The Social Science Methods Certificate Program provides students with an expanded breadth of methodological training for graduate students in relevant disciplines. This program encompasses the full range of empirical social science methods and is interdisciplinary by design. Students will gain a broad understanding of the role and forms of methodology in the social sciences. Students will gain expertise in the methods most

relevant to their research question. This expertise will be demonstrated in the original research and colloquia presentations they produce.

For more information about your program, including your graduate program handbook and learning outcomes, please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

To be admitted to the program, students must:

1. Be admitted to a master's or doctoral program at UNLV for which social science research methods are an appropriate tool of inquiry.
2. Have earned at least a B+ in an approved research methods course.
3. Submit a completed application and the required application fee.
4. Must submit a "plan of study" that has been approved by a member of the Consortium Faculty and the home department's graduate coordinator.

All applicants must review and follow the Graduate College Admission and Registration Requirements.

Students are accepted into a certificate program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

Total Credits Required: 15

Course Requirements

Core Discipline Methods Coursework I – Credits: 3

- ANTH 790 - Research Design, Professional Ethics, and Grant Writing for Anthropologists
- PSC 701 - Research Design and Methodology
- SOC 701 - Logic of Social Inquiry
- COM 710 - Survey of Communication Studies
- ECO 770 - Econometrics I, Statistical Modeling
- CRJ 702 - Proseminar on Research Methods
- PSY 707 - Research Methods
- PUA 721 - Quantitative Methods for Public Administration
- PAF 710 - Theory and Design of Research

Core Discipline Methods Coursework II – Credits: 3

- ANTH 770 - Quantitative Methods in Anthropology
- PSC 702 - Advanced Quantitative Methods I
- PSY 708 - Statistics for Psychologists I

- SOC 702 - Quantitative Methods
- COM 712 - Empirical Research Methods
- ECO 772 - Econometrics II
- CRJ 703 - Proseminar on Statistics
- PUA 723 - Research and Analytical Methods
- PAF 711 - Advanced Seminar in Quantitative Research in Public Affairs

Elective Methods Courses – Credits: 6

Complete 6 credits of advisor-approved methods course electives.

Outside Department Methods Course Electives – Credits: 3

Complete 3 credits of advisor-approved methods course electives from outside the home department.

Certificate Requirements

1. A completion of a minimum of 15 credit hours of social science methods courses.
2. The grade point average for all courses counted toward the degree is at least 3.00.
3. No grades lower than a B- are counted toward the certificate requirements.
4. Any changes to the plan of study has prior approval of the Certificate Coordinator

Plan Certificate Completion Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation in MyUNLV by the appropriate deadline.
2. The student must present original research in the Colloquium Series.

Anthropology

Our program, which has a strong field and laboratory component in addition to coursework, is designed to prepare our graduates to work in a variety of settings, including academia, applied anthropology, cultural resources management, and other research settings.

Daniel Benyshek, Ph.D., Chair

Alyssa Crittenden, Ph.D., Graduate Coordinator

Anthropology Faculty

Chair

Benyshek, Daniel - *Full Graduate Faculty*

Professor; B.A. University of Colorado, Denver; M.A., Ph.D., Arizona State University. Rebel since 2001.

Graduate Coordinator

Crittenden, Alyssa - *Full Graduate Faculty*
Associate Professor; B.A. University of California Santa Cruz; M.A., Ph.D., University of California San Diego. Rebel since 2012.

Graduate Faculty

Atici, Levent - *Full Graduate Faculty*
Associate Professor; B.A., M.A., Ankara University; M.A., Ph.D., Harvard University. Rebel since 2007.

Bao, Jiemin - *Full Graduate Faculty*
Professor; B.A., Laotian University; M.S., Ph.D., University of California, Berkeley. Rebel since 1997.

Byrnes, Jennifer - *Full Graduate Faculty*
Assistant Professor, B.S., SUNY Geneseo; M.A., Ph.D., SUNY Buffalo. Rebel since 2019.

Chase, Arlen - *Full Graduate Faculty*
Professor; B.A., M.A., Ph.D., University of Pennsylvania. Rebel since 2016.

Farahani, Alan - *Full Graduate Faculty*
Assistant Professor, B.A., Rutgers University, M.A., Ph.D., University of California, Berkeley. Rebel since 2018.

Frank, Liam - *Full Graduate Faculty*
Professor, B.A., M.A., Ph.D., University of Wisconsin, Madison. Rebel since 2005.

Gray, Peter - *Full Graduate Faculty*
Professor, B.A., University of California Los Angeles; M.A., Ph.D., Harvard University. Rebel since 2005.

Harry, Karen - *Full Graduate Faculty*
Professor; B.A., Texas A&M University; M.A., Ph.D., University of Arizona. Rebel since 2001.

Jankowiak, William - *Full Graduate Faculty*
Professor; B.A., State University of New York; B.A., Ph.D., University of California, Santa Barbara. Rebel since 1991.

Lienard, Pierre - *Full Graduate Faculty*
Associate Professor; Ph.D., Université Libre de Bruxelles. Rebel since 2008.

Martin, Debra - *Full Graduate Faculty*
Distinguished Professor; B.S., Cleveland State University, M.A., Ph.D., University of Massachusetts, Amherst. Rebel since 2006.

Roth, Barbara - *Full Graduate Faculty*
Professor; B.S. University of Colorado; M.A., Ph.D., University of Arizona. Rebel since 2002.

Sandoval-Cervantes, Iván

Assistant Professor; B.A., Universidad de las Américas, Puebla; M.Sc., London School of Economics and Political Science; M.A., Ph.D., University of Oregon. Rebel since 2018.

Villmoare, Brian - *Full Graduate Faculty*
Assistant Professor; B.A., University of Virginia, M.A., Ph.D., Arizona State University. Rebel since 2014.

Affiliated Faculty

Gocha, Tim - *Full Graduate Faculty*
Assistant Professor, B.A. The Ohio State University, M.A., University of Bradford, Ph.D., The Ohio State University. Rebel since 2017.

Professors Emeriti

Knack, Martha

Distinguished Professor; B.A., M.A., Ph.D., University of Michigan. UNLV Emeritus 1977-2008.

Miranda, Malvin

Professor; B.A., California State University, Long Beach; M.S., Ph.D., University of California, Los Angeles. UNLV Emeritus 1976-2009.

Palmer, Gary B.

Professor; B.S., Hamline University; M.S., Ph.D., University of Minnesota. UNLV Emeritus 1973-2005.

Simmons, Alan

Distinguished Professor; B.A., University of Colorado, Boulder; M.A., University of Toronto; Ph.D., Southern Methodist University. UNLV Emeritus 1993-2018.

Swetnam, John J.

Professor; B.A., University of Pittsburgh; Ph.D., University of Pennsylvania. UNLV Emeritus 1973-2008.

Urioste, George L.

Professor; B.A., St. Peter Claver College; Ph.D., Loyola University; B.D., Boston College; M.A., Ph.D., Cornell University. UNLV Emeritus 1974-2009.

Warren, Claude N.

Professor; B.A., M.A., University of Washington; Ph.D., University of California, Los Angeles. UNLV Emeritus 1969-1997.

Plans

Master of Arts - Anthropology

Doctor of Philosophy - Anthropology

Master of Arts - Anthropology*Plan Description*

Our program, which has a strong field and laboratory component in addition to coursework, is designed to prepare our graduates to work in a variety of settings, including academia, applied anthropology, cultural resources management, and other research settings.

For more information about your program, including your graduate program handbook and learning outcomes, please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

All domestic and international applicants must review and follow the Graduate College Admission & Registration Requirements.

In addition to the general admission requirements established by the Graduate College, a background in Anthropology is preferred. Deficiencies can be made up in consultation with a graduate advisor upon entrance to the program.

Applicants must submit a research paper representative of their undergraduate work. If the student did not major in anthropology as an undergraduate, a research paper in another field indicative of the student's ability is acceptable.

Applicants must also submit an explicit letter of intent.

Three letters of recommendation must be provided attesting to the applicant's ability to conduct graduate level work. At least two of the letters from academic references are preferred.

GRE scores are required for admission. There is no required minimum score, but scores will be used in combination with other information in the application to evaluate the applicant. The exam must be taken within five years preceding the deadline for the application to be considered.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

See Subplan Requirements below.

Subplan 1: General Anthropology Track - Thesis

Subplan 2: General Anthropology Track - Non-Thesis

Subplan 3: Archeological Heritage Management Track - Thesis (ON HOLD)

Subplan 4: Archeological Heritage Management Track - Non-Thesis (ON HOLD)

Subplan 1: General Anthropology Track - Thesis

Total Credits Required: 33

Course Requirements

Required Courses – Credits: 11

- ANTH 700A - Proseminar I
- ANTH 700B - Proseminar II
- ANTH 703 - Core Concepts in Anthropology
- ANTH 770 - Quantitative Methods in Anthropology
- ANTH 790 - Research Design, Professional Ethics, and Grant Writing for Anthropologists

Elective Courses – Credits: 16

Complete 16 credits of advisor-approved Anthropology electives.

Thesis – Credits: 6

- ANTH 797 - Thesis

Degree Requirements

See Plan Degree Requirements below.

Graduation Requirements

See Plan Graduation Requirements below.

Subplan 2: General Anthropology Track - Non-Thesis

Total Credits Required: 33

Course Requirements

Required Courses – Credits: 11

- ANTH 700A - Proseminar I
- ANTH 700B - Proseminar II
- ANTH 703 - Core Concepts in Anthropology
- ANTH 770 - Quantitative Methods in Anthropology
- ANTH 790 - Research Design, Professional Ethics, and Grant Writing for Anthropologists

Elective Courses – Credits: 16

Complete 16 credits of advisor-approved Anthropology electives.

Culminating Experience – Credits: 6

- ANTH 795 - Culminating Experience

Degree Requirements

See Plan Degree Requirements below.

Graduation Requirements

See Plan Graduation Requirements below.

Subplan 3: Archeological Heritage Management Track - Thesis (ON HOLD)

Total Credits Required: 33

Course Requirements

Required Courses – Credits: 20

- ANTH 655 - Archaeological Theory
- ANTH 700A - Proseminar I
- ANTH 700B - Proseminar II
- ANTH 703 - Core Concepts in Anthropology
- ANTH 755 - Seminar in Archaeological and Historic Preservation
- ANTH 770 - Quantitative Methods in Anthropology
- ANTH 771 - Computer Applications for Anthropologists
- ANTH 790 - Research Design, Professional Ethics, and Grant Writing for Anthropologists

Methods Course – Credits: 3

Complete 3 credits from the following list of courses.

- ANTH 649A - Ceramic Analysis in Archaeology
- ANTH 649B - Lithic Artifact Analysis
- ANTH 649D - Zooarchaeology Laboratory

Regional Course – Credits: 3

Complete 3 credits from the following list of courses.

- ANTH 640B - Archaeology of the Great Basin
- ANTH 640C - Archaeology of the Southwest
- ANTH 641B - Near Eastern and Mediterranean Prehistory
- ANTH 754 - Archaeology and Paleoecology of the Great Basin

- ANTH 755 - Seminar in Archaeological and Historic Preservation

Internship – Credits: 1

Complete 1 credit of the following course.

- ANTH 796 - Cultural Resource Management Internship

Thesis – Credits: 6

- ANTH 797 - Thesis

Degree Requirements

See Plan Degree Requirements below.

Graduation Requirements

See Plan Graduation Requirements below.

Subplan 4: Archeological Heritage Management Track – Non-Thesis (ON HOLD)

Total Credits Required: 33

Course Requirements

Required Courses – Credits: 20

- ANTH 655 - Archaeological Theory
- ANTH 700A - Proseminar I
- ANTH 700B - Proseminar II
- ANTH 703 - Core Concepts in Anthropology
- ANTH 755 - Seminar in Archaeological and Historic Preservation
- ANTH 770 - Quantitative Methods in Anthropology
- ANTH 771 - Computer Applications for Anthropologists
- ANTH 790 - Research Design, Professional Ethics, and Grant Writing for Anthropologists

Methods Course – Credits: 3

Complete 3 credits from the following list of courses:

- ANTH 649A - Ceramic Analysis in Archaeology
- ANTH 649B - Lithic Artifact Analysis
- ANTH 649D - Zooarchaeology Laboratory

Regional Course – Credits: 3

Complete 3 credits from the following list of courses:

- ANTH 640B - Archaeology of the Great Basin
- ANTH 640C - Archaeology of the Southwest
- ANTH 641B - Near Eastern and Mediterranean Prehistory
- ANTH 754 - Archaeology and Paleoecology of the Great Basin
- ANTH 755 - Seminar in Archaeological and Historic Preservation

Internship – Credits: 1

Complete 1 credit of the following course:

- ANTH 796 - Cultural Resource Management Internship

Culminating Experience – Credits: 6

- ANTH 795 - Culminating Experience

Degree Requirements

See Plan Degree Requirements below.

Graduation Requirements

See Plan Graduation Requirements below.

Plan Degree Requirements - Thesis Track

1. A minimum of 27 credits of approved work at the graduate level plus 6 credits of thesis must be completed.
2. Seventeen of the 27 units presented for the degree must be courses with the prefix ANTH at the 700-level (excluding Directed Reading, Independent Study, Culminating Experience, and Thesis).
3. Classes in which a student receives a C+ or lower will not count towards his or her degree.
4. Any student receiving a C+ or lower will be placed on academic probation. Failure to meet the requirements of probation will result in separation from the graduate program.
5. Up to four credits each of Directed Reading and Independent Study can be applied toward the degree but may be taken only after acceptance into the Graduate College.
6. In consultation with his/her advisor, a student will organize a committee of at least three departmental members. In addition, a fourth member outside the department will be assigned by the Graduate College. Another outside member may be added at the department's discretion. Please see Graduate College policy for committee appointment guidelines.
7. The student must submit to the department a thesis research proposal approved by the thesis committee prior to the commencement of fieldwork or research. The student also must present a defense of this proposal to the thesis committee.
8. After successfully completing these tasks, the student will then conduct approved anthropological research to gather data needed for writing the thesis. This may involve fieldwork, laboratory research, or research on a theoretical topic.

Plan Degree Requirements - Non-Thesis Track

1. A minimum of 27 credits of approved work at the graduate level plus 6 credits of culminating experience must be completed.
2. Seventeen of the 27 units presented for the degree must be courses with the prefix ANTH at the 700-level

(excluding Directed Reading, Independent Study, Culminating Experience, and Thesis).

3. Classes in which a student receives a C+ or lower will not count towards his or her degree.
4. Any student receiving a C+ or lower will be placed on academic probation. Failure to meet the requirements of probation will result in separation from the graduate program.
5. Up to four credits each of Directed Reading and Independent Study can be applied toward the degree but may be taken only after acceptance into the Graduate College.
6. In consultation with his/her advisor, a student will organize a committee of at least three departmental members. In addition, a fourth member outside the department will be assigned by the Graduate College. Another outside member may be added at the department's discretion. Please see Graduate College policy for committee appointment guidelines.
7. The student must submit to the department a publishable paper research proposal approved by the Grad Advisory committee prior to the commencement of fieldwork or research. The student also must present a defense of this proposal to the Grad Advisory committee.
8. After successfully completing these tasks, the student will then conduct approved anthropological research to gather data needed for writing the publishable paper. This may involve fieldwork, laboratory research, or research on a theoretical topic.

Plan Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
2. The student must submit and successfully defend his/her thesis by the posted deadline. The defense must be advertised and is open to the public.
3. After the thesis defense, the student must electronically submit a properly formatted pdf copy of their thesis to the Graduate College for format check. Once the thesis format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for thesis defenses, format check submissions, and the final ProQuest submission can be found here.

Doctor of Philosophy - Anthropology

Plan Description

Our program, which has a strong field and laboratory component in addition to coursework, is designed to prepare our graduates to work in a variety of settings, including academia, applied anthropology, cultural resources management, and other research settings.

For more information about your program, including your graduate program handbook and learning outcomes please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

1. All domestic and international applicants must review and follow the Graduate College Admission & Registration Requirements.
2. Students entering with an approved M.A. will not be required to go through the department's M.A. program, but they may be required to take remedial courses in the case of deficiencies. A background in Anthropology is preferred among applicants.
3. The applicant must have at least a 3.50 (A=4.00) grade point average for previous graduate work.
4. The applicant must submit an example of their previous research, preferably a published paper; a copy of their thesis or a relevant research paper is also acceptable.
5. The applicant must submit a detailed statement of intent (1-2 pages) outlining proposed research. In addition, the applicant must identify specific members of the faculty with whom they may wish to work.
6. Three letters of recommendation must be provided attesting to the applicant's ability to conduct doctoral level work. At least two of the letters must be from academic references.
7. GRE scores are required for admission. There is no required minimum score, but scores will be used in combination with other information in the application to evaluate the applicant. The exam must be taken within five years preceding the deadline for the application to be considered.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

See Subplan Requirements below.

Subplan 3: Post-Bachelor's Track - Publishable Paper

Subplan 1 Requirements: Post-Master's Track

Total Credits Required: 42

Course Requirements

Required Courses - Credits: 11

Required courses CANNOT be used as electives.

- ANTH 700A - Proseminar I
- ANTH 700B - Proseminar II
- ANTH 703 - Core Concepts in Anthropology
- ANTH 770 - Quantitative Methods in Anthropology
- ANTH 790 - Research Design, Professional Ethics, and Grant Writing for Anthropologists

Elective Courses - Credits: 19

Of total elective courses, 6 credits must come from ANTH 700 level (non-required) elective courses.

Any remaining elective credits must be graduate level courses and can either be taken in Anthropology or outside of the department (with approval by major adviser).

Required courses and/or ANTH 798 cannot also be counted as elective courses.

Of the elective courses, only 10 credits can come from Directed Readings or Independent Study

Dissertation - Credits: 12

Students must take a minimum of 12 credits of Dissertation (ANTH 798)

- ANTH 798 - Dissertation

Degree Requirements

All credits towards the degree must be passed with a grade of B- or better. Classes in which a student receives a C+ or lower will not count towards his or her degree.

Any student receiving a C+ or lower will be placed on academic probation. Failure to meet the requirements of probation will result in separation from the graduate program.

In consultation with their advisor, a student will organize a dissertation committee of at least three departmental members. In addition, a fourth member from outside the department, known as the Graduate College Representative, must be appointed. An additional committee member may be added at the student and department's discretion. Please see Graduate College policy for committee appointment guidelines.

PhD Prospectus: All students must identify a project and write a prospectus of their proposed research - to be approved by their committee. The style of the proposal should be determined in consultation with the chair of the advisory committee. Minimum requirements for the departmental proposal include: general aims, hypotheses or research questions, methods, and significance. This proposal must be successfully defended to the committee and must be defended orally. The student must obtain committee approval of their prospectus and complete

the Prospectus Approval form that can be found on Grad Rebel Gateway.

Comprehensive Exams: The student must pass a comprehensive examination with a grade of B– or better. This exam will cover three topics, selected to relate to the student's dissertation research area. The topics will typically relate to an area of (a) theory, (b) methodological or topical specialty, and (c) culture area. Students who fail in any portion of the exam may retake that portion any time prior to the end of the semester following that during which the exam was taken. A second failure results in termination from the doctoral program.

After passing the doctoral comprehensive examination, the student must submit to the department a written dissertation proposal approved by the dissertation committee prior to the commencement of fieldwork or research. The student also must present a defense of this proposal to the academic community. After successfully completing these tasks, the student is advanced to candidacy.

Graduation Requirements

The student must submit all required forms to the Graduate College through Grad Rebel Gateway and then apply for graduation in the semester in which they intend to complete their degree requirements for both the Master's and Doctoral portions of the program.

PhD Dissertation Defense: In order to graduate in a particular semester, the thesis/dissertation must be orally defended according to Graduate College guidelines. These defenses are open to the public, and must be advertised on campus two weeks prior to the defense.

Students are required to make a flier containing the following information: Name, Title of Dissertation, Date and Time, Location, and Abstract. This flier must be approved by the committee advisor, and once approved, it must be sent to the department Administrative Assistant a minimum of two weeks before the scheduled defense.

Oral defenses must last at least an hour, and will include, minimally, a 20-30 minute presentation of the research by the student followed by an opportunity for the audience to pose questions. This, in turn, will be followed by a non-public part of the defense in which the committee members will pose additional questions. Upon the successful oral defense, students should complete the Culminating Experience Results form which can be found on Grad Rebel Gateway.

The student must submit and successfully defend their dissertation by the deadline posted by the Graduate College.

Once the dissertation is completed, the student must electronically submit a properly formatted copy of their dissertation to the Graduate College for format check. Once the formatting has been approved by the Graduate College, the student will submit the approved electronic versions to iThenticate and ProQuest. Deadlines

for defenses, format check submissions, and the final ProQuest submission can be found on the Graduate College website.

Subplan 2 Requirements: Post-Bachelor's Track - Thesis

Total Credits Required: 75

Course Requirements

Required Courses - Credits: 11

Required courses CANNOT be used as electives.

- ANTH 700A - Proseminar I
- ANTH 700B - Proseminar II
- ANTH 703 - Core Concepts in Anthropology
- ANTH 770 - Quantitative Methods in Anthropology
- ANTH 790 - Research Design, Professional Ethics, and Grant Writing for Anthropologists

Elective Courses - Credits: 16

Of total elective courses, 6 credits must come from ANTH 700 level (non-required) elective courses.

Any remaining elective credits must be graduate level courses and can either be taken in Anthropology or outside of the department (with approval by major advisor).

Required courses and/or ANTH 797 cannot also be counted as elective courses.

Of the elective courses, only 6 credits can come from Directed Readings or Independent Study.

Thesis - Credits: 6

Students must take a minimum of 6 credits of Thesis preparation (ANTH 797).

- ANTH 797 - Thesis

After successfully completing the requirements above, students are eligible to earn the Master of Arts in Anthropology.

Elective Courses - Credits: 30

Once the requirements for the MA have been completed, of the 30 remaining elective course credits towards the PhD, all must be graduate level credits.

Of total elective courses, 6 credits must come from ANTH 700 level (non-required) elective courses (cannot use elective courses taken to earn the MA degree)

Any remaining elective credits must be graduate level courses and can either be taken in Anthropology or outside of the department (with approval by major advisor).

ANTH 798 cannot also be counted as an elective course

Of the elective courses, only 10 credits can come from Directed Readings or Independent Study

Dissertation - Credits: 12

Students must take a minimum of 12 credits of Dissertation

(ANTH 798)

- ANTH 798 - Dissertation

Degree Requirements

A minimum of 30 credits of approved work beyond the M.A. plus 12 credits of dissertation must be completed. This will not include remedial courses.

All credits towards the degree must be passed with a grade of B- or better. Classes in which a student receives a C+ or lower will not count towards his or her degree.

Any student receiving a C+ or lower will be placed on academic probation. Failure to meet the requirements of probation will result in separation from the graduate program.

In consultation with their advisor, a student will organize a dissertation committee of at least three departmental members. In addition, a fourth member from outside the department, known as the Graduate College Representative, must be appointed. An additional committee member may be added at the student and department's discretion. Please see Graduate College policy for committee appointment guidelines.

MA/PhD Prospectus: All students must identify a project and write a prospectus of their proposed research - to be approved by their committee. The style of the proposal should be determined in consultation with the chair of the advisory committee. Minimum requirements for the departmental proposal include: general aims, hypotheses or research questions, methods, and significance. This proposal must be successfully defended to the committee and must be defended orally. The student must obtain committee approval of their prospectus and complete the Prospectus Approval form that can be found on Grad Rebel Gateway.

Comprehensive Exams: The student must pass a comprehensive examination with a grade of B- or better. This exam will cover three topics, selected to relate to the student's dissertation research area. The topics will typically relate to an area of (a) theory, (b) methodological or topical specialty, and (c) culture area. Students who fail in any portion of the exam may retake that portion any time prior to the end of the semester following that during which the exam was taken. A second failure results in termination from the doctoral program.

After passing the doctoral comprehensive examination, the student must submit to the department a written dissertation proposal approved by the dissertation committee prior to the commencement of fieldwork or research. The student also must present a defense of this proposal to the academic community. After successfully completing these tasks, the student is advanced to candidacy.

Graduation Requirements

The student must submit all required forms to the Graduate College through Grad Rebel Gateway and

then apply for graduation in the semester in which they intend to complete their degree requirements for both the Master's and Doctoral portions of the program.

MA/PhD Thesis/Dissertation Defense: In order to graduate in a particular semester, the thesis/dissertation must be orally defended according to Graduate College guidelines. These defenses are open to the public, and must be advertised on campus two weeks prior to the defense.

Students are required to make a flier containing the following information: Name, Title of Thesis/Dissertation, Date and Time, Location, and Abstract. This flier must be approved by the committee advisor, and once approved, it must be sent to the department Administrative Assistant a minimum of two weeks before the scheduled defense.

Oral defenses must last at least an hour, and will include, minimally, a 20-30 minute presentation of the research by the student followed by an opportunity for the audience to pose questions. This, in turn, will be followed by a non-public part of the defense in which the committee members will pose additional questions. Upon the successful oral defense, students should complete the Culminating Experience Results form which can be found on Grad Rebel Gateway.

The student must submit and successfully defend their thesis/dissertation by the deadline posted by the Graduate College.

Once the thesis/dissertation is completed, the student must electronically submit a properly formatted copy of their thesis/dissertation to the Graduate College for format check. Once the formatting has been approved by the Graduate College, the student will submit the approved electronic versions. Doctoral dissertations will also be subject to submission to iThenticate and ProQuest. Deadlines for defenses, format check submissions, and the final ProQuest submission can be found on the Graduate College website.

Subplan 3 Requirements: Post-Bachelor's Track - Publishable Paper

Total Credits Required: 75

Course Requirements

Required Courses - Credits: 11

Required courses CANNOT be used as electives.

- ANTH 700A - Proseminar I
- ANTH 700B - Proseminar II
- ANTH 703 - Core Concepts in Anthropology
- ANTH 770 - Quantitative Methods in Anthropology
- ANTH 790 - Research Design, Professional Ethics, and Grant Writing for Anthropologists

Elective Courses - Credits: 16

Of the 16 elective course credits, all must be graduate

level credits. A maximum of 10 credits can come from Directed Reading or Independent Study. Additionally, at least 6 credits must come from non-required ANTH 700-level courses. Culminating Experience credits cannot be counted as elective credits.

Culminating Experience - Credits: 6

Students are required to take a minimum of 6 credits of Culminating Experience (ANTH 795)

- ANTH 795 - Culminating Experience

After successfully completing the requirements above, students are eligible to earn the Master of Arts in Anthropology.

Elective Courses - Credits: 30

Once the requirements for the MA have been completed, of the 30 remaining elective course credits towards the PhD, all must be graduate level credits.

Of total elective courses, 6 credits must come from ANTH 700 level (non-required) elective courses (cannot use elective courses taken to earn the MA degree)

Any remaining elective credits must be graduate level courses and can either be taken in Anthropology or outside of the department (with approval by major adviser).

ANTH 798 cannot also be counted as an elective course

Of the elective courses, only 10 credits can come from Directed Readings or Independent Study

Dissertation - Credits: 12

Students must take a minimum of 12 credits of Dissertation (ANTH 798)

- ANTH 798 - Dissertation

Degree Requirements

A minimum of 30 credits of approved work beyond the M.A. plus 12 credits of dissertation must be completed. This will not include remedial courses.

All credits towards the degree must be passed with a grade of B- or better. Classes in which a student receives a C+ or lower will not count towards his or her degree.

Any student receiving a C+ or lower will be placed on academic probation. Failure to meet the requirements of probation will result in separation from the graduate program.

In consultation with their advisor, a student will organize a dissertation committee of at least three departmental members. In addition, a fourth member from outside the department, known as the Graduate College Representative, must be appointed. An additional committee member may be added at the student and department's discretion. Please see Graduate College policy for committee appointment guidelines.

MA/PhD Prospectus: All students must identify a project and write a prospectus of their proposed research - to be approved by their committee. The style of the proposal should be determined in consultation with the chair of the advisory committee. Minimum requirements for the departmental proposal include: general aims, hypotheses or research questions, methods, and significance. This proposal must be successfully defended to the committee and must be defended orally. The student must obtain committee approval of their prospectus and complete the Prospectus Approval form that can be found on Grad Rebel Gateway.

Comprehensive Exams: The student must pass a comprehensive examination with a grade of B- or better. This exam will cover three topics, selected to relate to the student's dissertation research area. The topics will typically relate to an area of (a) theory, (b) methodological or topical specialty, and (c) culture area. Students who fail in any portion of the exam may retake that portion any time prior to the end of the semester following that during which the exam was taken. A second failure results in termination from the doctoral program.

After passing the doctoral comprehensive examination, the student must submit to the department a written dissertation proposal approved by the dissertation committee prior to the commencement of fieldwork or research. The student also must present a defense of this proposal to the academic community. After successfully completing these tasks, the student is advanced to candidacy.

Graduation Requirements

The student must submit all required forms to the Graduate College through Grad Rebel Gateway and then apply for graduation in the semester in which they intend to complete their degree requirements for both the Master's and Doctoral portions of the program.

MA/PhD Thesis/Dissertation Defense: In order to graduate in a particular semester, the thesis/dissertation must be orally defended according to Graduate College guidelines. These defenses are open to the public, and must be advertised on campus two weeks prior to the defense.

Students are required to make a flier containing the following information: Name, Title of Thesis/Dissertation, Date and Time, Location, and Abstract. This flier must be approved by the committee advisor, and once approved, it must be sent to the department Administrative Assistant a minimum of two weeks before the scheduled defense.

Oral defenses must last at least an hour, and will include, minimally, a 20-30 minute presentation of the research by the student followed by an opportunity for the audience to pose questions. This, in turn, will be followed by a non-public part of the defense in which the committee members will pose additional questions. Upon the successful oral defense, students should complete the Culminating Experience Results form which can be found on Grad Rebel Gateway.

The student must submit and successfully defend their thesis/dissertation by the deadline posted by the Graduate College.

Once the thesis/dissertation is completed, the student must electronically submit a properly formatted copy of their thesis/dissertation to the Graduate College for format check. Once the formatting has been approved by the Graduate College, the student will submit the approved electronic versions. Doctoral dissertations will also be subject to submission to iThenticate and ProQuest. Deadlines for defenses, format check submissions, and the final ProQuest submission can be found on the Graduate College website.

Plan Graduation Requirements

Refer to your subplan for Graduation Requirements.

Subplan 1: Post-Master's Track

Subplan 2: Post-Bachelor's Track - Thesis

Subplan 3: Post-Bachelor's Track - Publishable Paper

Anthropology Courses

AAS 636 - Politics of Racial Ambiguity Credits 3
Interdisciplinary investigation of contemporary American black/white multiracial identities, including analyses and assessments of the multiracial identity movement in the United States. Notes: This course is crosslisted with AAS 436. Credit at the 600-level requires additional work.

ANTH 609 - Economic Anthropology Credits 3
Comparative study of preliterate and peasant economic systems, with particular attention paid to the relation of these systems to the social and cultural arrangements of these societies. Notes: This course is crosslisted with ANTH 409. Credit at the 600-level requires additional work.

ANTH 617 - Evolution & Culture: 'Darwinian' Models of Culture Credits 3
Humans depend on complex cultures for their survival. Why it is the case, how it is made possible and how fundamentally culture affects humans have always been essential focuses of the anthropological research. The courses will present the main models of cultural evolution found currently in the anthropological literature. Notes: This course is crosslisted with ANTH 417. Credit at the 600-level requires additional work. Prerequisites: Graduate standing.

ANTH 622 - Psychological Anthropology Credits 3
Examines how culture influences the development of character and conduct in non-western societies. Provides cross-cultural research findings on socialization, aggression, sexual behavior, mental illness and social pathology. Research findings from small-scale and complex societies from around the globe are evaluated. Same as ANTH 422 Notes: Credit at the 600-level requires additional work.

ANTH 626 - Medical Anthropology Credits 3
Overview of medical anthropology, covering such topics as disease and human evolution, ecology of disease, and culture-centered approaches in the field, including ethnomedicine (cross-cultural conceptions of health and illness), healers in global perspective, and medicine practiced in clinical and public health settings in societies around the world. Notes: This course is crosslisted with ANTH 426. Credit at the 600-level requires additional work.

ANTH 627 - Cultures and Cognition Credits 3
Focuses on the interactions between culture, cognition and behavior. Explores a variety of non-western cultures to identify how social and psychological perspectives are formed and influence behavior. Models and case studies found in social sciences are used to discuss the relationship between cognition and cultural behaviors. Notes: This course is crosslisted with ANTH 427. Credit at the 600-level requires additional work. ANTH 101 or ANTH 102 or ANTH 105 or equivalent.

ANTH 634 - Ethnohistory Credits 3
Methodological study applying anthropological concepts to early written sources and recorded oral tradition. Cross-cultural comparisons. Notes: This course is crosslisted with ANTH 434. Credit at the 600-level requires additional work.

ANTH 638 - Ethnographic Field Methods..... Credits 3
Surveys methods and techniques of field work. Students do weekly ethnographic projects and write short reports. Notes: This course is crosslisted with ANTH 438. Credit at the 600-level requires additional work.

ANTH 640B - Archaeology of the Great Basin Credits 3
Explores the prehistory of the Great Basin and surrounding areas, including the Mojave Desert. Examines the Paleoindian, Archaic, and later prehistoric occupation of the region, focusing on the evidence archaeologists use to reconstruct past behavior and how the environment influenced prehistoric peoples in the area. Notes: This course is crosslisted with ANTH 440B. Credit at the 600-level requires additional work.

ANTH 640C - Archaeology of the Southwest Credits 3
Prehistory of the American Southwest, focusing on development of the Anasazi, Hohokam and Mogollon cultures and their antecedents 2000 B.C. to A.D. 1500. Notes: This course is crosslisted with ANTH 440C. Credit at the 600 level requires additional work.

ANTH 640E - Archeology of Mexico and Central America Credits 3
Designed to provide an introduction to the prehistory of the peoples of Mesoamerica. Provides a definition of their common cultural background and to examine the archaeological record concerning the origins of these various societies to their rise into complex indigenous civilization. Notes: This course is crosslisted with ANTH 440E. Coursework at the 600-level requires additional work.

ANTH 641B - Near Eastern and Mediterranean Prehistory Credits 3

Reviews Near Eastern and Mediterranean archaeology from the earliest evidence of humans in the region through the origins and development of farming and food production. Examines foundations for civilization in Egypt and Mesopotamia and the colonization of islands of the Mediterranean Sea. Notes: This course is crosslisted with ANTH 441B. Credit at the 600-level requires additional work.

ANTH 641C - Peoples and Cultures of Ancient Near East Credits 3

Near East is one of the great culture areas of the ancient and modern worlds. The course focuses on the role of religion, economy, political power, social identity, art, and environment on cultures and peoples of the Near East from a historical and archaeological perspective.

ANTH 643 - Environmental Archaeology Credits 3

Examines human adaptations to various environments, techniques from the environmental sciences. Analysis of ancient human and environmental interactions stressing arid lands. Human impacts upon the landscape, constraints imposed by ecological variables, and techniques used in environmental reconstruction. Notes: This course is crosslisted with ANTH 443. Credit at the 600-level requires additional work.

ANTH 644 - Bioarchaeology Credits 3

Method and theory for the study of human remains in archaeological contexts. Formerly ANTH 673 Notes: This course is crosslisted with ANTH 444. Credit at the 600 level requires additional work.

ANTH 649A - Ceramic Analysis in Archaeology Credits 3

Introduction to the laboratory analysis of archeological ceramics. Emphasizes theories and techniques used to reconstruct past human behavior from the study of prehistoric and historic ceramics. Notes: This course is crosslisted with ANTH 449A. Credit at the 600 level requires additional work.

ANTH 649B - Lithic Artifact Analysis Credits 3

Designed to provide general background on lithics and lithic analysis. Explores lithic technology, typology, and interpretations of lithic assemblage variability. Notes: This course is crosslisted with ANTH 449B. Credit at the 600-level requires additional work.

ANTH 649C - Laboratory Methods in Archaeology Credits 3

Designed to provide students with an introduction to the archaeological laboratory, covering how and why materials are processed and examining the various substances that can be recovered in the field. Also addresses both the field illustration of these materials and their final presentation. Notes: This course is crosslisted with ANTH 449C. Coursework at the 600-level requires additional work.

ANTH 649D - Zooarchaeology Laboratory Credits 3

Enables students to identify, document, analyze, interpret, and report archaeological animal bone assemblages. Addresses theoretical, methodological, and analytical issues that are significant in designing and conducting zooarchaeological research. Formerly ANTH 649C Notes: This course is crosslisted with ANTH 449D. Credit at the 600 level requires additional work. Prerequisites: Consent of instructor

ANTH 655 - Archaeological Theory Credits 3

Surveys major theoretical approaches used in archaeology. Examines historical development of these theories and discusses their practical application. Notes: This course is crosslisted with ANTH 455. Credit at the 600 level requires additional work.

ANTH 656 - Archaeology of Technology Credits 3

Explores the methodological and theoretical developments in archaeological research on technology and the challenges of connecting materials with human behavior and intent in the past. Notes: This course is crosslisted with ANTH 456. Credit at the 600 level requires additional work. Prerequisites: Consent of instructor

ANTH 657 - Archaeology of Complex Societies and Archaic States Credits 3

Focus on the archaeology of complex societies and archaic states. We probe the origins and development of the archaic states in Mesopotamia, Egypt, Indus Valley, Central Asia, China, and Mesoamerica. We "critically" review archaeologists' "interpretations" regarding major environmental, social, political, religious, and economic factors as prime movers. Grading Letter grade Prerequisites: Graduate standing.

ANTH 658 - Origins of Inequality: A Cross-cultural Perspective Credits 3

This course uses origins of inequality to understand how societies and their culture developed differently across time and space. A cross-cultural emphasis enables the student to appreciate the factors responsible for the rise of different modes of sociopolitical organization around the globe and to realize the complexity of human experience. Notes: This course is crosslisted with ANTH 458. Credit at the 600-level requires additional work.

ANTH 660 - Primate Evolution Credits 3

Detailed examination of the fossil record of primate and human evolution to assess taxonomy, locomotor strategies, and diet. Topics emphasized include the evolution of apes, the origin of our lineage, bipedalism, brain and language evolution, and the origin of modern humans. This course is crosslisted with ANTH 460. Credit at the 600-level requires additional work.

ANTH 662 - Human Osteology: Archaeological and Forensic Applications Credits 4

Utilization of physical anthropological methods of bone analysis applied to the identification of human and non-human skeletal remains. Notes: This course is crosslisted with ANTH 462. Credit at the 600 level requires additional work.

ANTH 664 - Dental Anthropology: Archaeological and Forensic Applications Credits 3

Dental morphology, growth and development, and dental variability in modern populations. Techniques used to reveal information about past diets, health, and behavior. Forensic odontology. Major stages in the evolution of the dentition, with particular focus on primate and human dental evolution. Lab fee required. Notes: This course is crosslisted with ANTH 464. Credit at the 600-level requires additional work.

ANTH 665 - Human Growth and Aging Credits 3

Explores, how humans grow, mature, and age in a variety of non-western cultures. Addresses social and biological factors that shape peoples' decisions about when to begin reproducing, how many offspring to have, when to wean, and style of parenting, as well as those impacting physical age changes and lifespan. Notes: This course is crosslisted with ANTH 465. Credit at the 600-level requires additional work.

ANTH 667 - Health and Disease in Antiquity Credits 3

Covers paleopathology, or, the study of disease in ancient populations. Provides an overview of morbidity and mortality over the last 20,000 years for many different populations from around the globe. Information on disease is drawn from human skeletal and mummified remains, and from archaeological reconstructions of lifestyle and diet. Notes: This course is crosslisted with ANTH 467. Credit at the 600-level requires additional work.

ANTH 669 - Evolution of Human Behavior Credits 3

Reviews relevant theory and primary approaches—evolutionary psychology and behavioral ecology—for investigating human behavior from an evolutionary perspective. Topics include cooperation, mate choice, parenting, pair bonding, aggression, language and culture. Notes: This course is crosslisted with ANTH 469. Credit at the 600 level requires additional work.

ANTH 671 - Evolution of Human Sexuality Credits 3

Examines human sexuality from an evolutionary perspective. Major themes include basics of evolutionary theory, comparisons with other non-human primates, cross-cultural and historical variation in human sexuality and consideration of the neuroendocrine bases of sexual behavior. Topics include sexual selection, mating systems, and sexual orientation. Notes: This course is crosslisted with ANTH 471. Credit at the 600-level requires additional work.

ANTH 673R - Anthropology of Violence Credits 3

An overview on the history of aggression, violence and trauma in human groups. Interpersonal and institutional forms of violence are examined from an anthropological perspective. The goal of the course is to explore a number of theoretical frameworks used by anthropologists to understand violence. Notes: This course is crosslisted with ANTH 473. Credit at the 600-level requires additional work. Prerequisites: Graduate standing.

ANTH 675 - Evolutionary Medicine Credits 3

This course provides an introduction to evolutionary medicine, a relatively new and exciting field that emphasizes the interplay between human evolutionary history, adaptation, and proximate mechanisms. Examples are drawn from societies around the world. Topics include growth, reproduction, diet, activity patterns, aging and infectious and chronic disease. Notes: This course is crosslisted with ANTH 475. Credit at the 600-level requires additional work.

ANTH 685 - Language and Culture Credits 3

Examines the interaction of language and culture, focusing on basic aspects of linguistics, models for the study of language use, and intersections of language with gender, power, and status cross-culturally. Notes: This course is crosslisted with ANTH 485. Credit at the 600-level requires additional work.

ANTH 688 - Archaeology Field Practicum Credits 3 - 6

ARCHAEOLOGY FIELD PRACTICUM Notes: May be repeated to a maximum of nine credits. Grading Letter grade

ANTH 700A - Proseminar I Credits 1

Orientation for entering anthropology graduate students. Presents the program's expectations and policies, and introduces students to faculty research and expertise within the department.

Grading S/F grading only. Prerequisites: Graduate standing/permission of instructor.

ANTH 700B - Proseminar II Credits 1

Continuation of the orientation begun in ANTH 700A. Develops students' appreciation of professionalism and develops the skills necessary for academic presentations. Presents the current research of advanced anthropology graduate students. Grading S/F grading only. Prerequisites: Graduate standing/permission of instructor.

ANTH 701 - Directed Reading in Anthropological Literature Credits 1-4

Critical reading and evaluation of anthropological scholarship. Notes: May be repeated to a maximum of six credits. Grading S/F grading only.

ANTH 703 - Core Concepts in Anthropology Credits 3

Course explores the intellectual foundations of critical thinking and practice in Anthropology (Cultural, Biological, Archaeology, and Linguistics). Examines anthropological theory as it has been

manifested in studies of human evolution, cultural materialism, historical analysis, and cultural interpretation. Prerequisites: Graduate standing.

ANTH 735 - Seminar on Classic Ethnographies Credits 3

Classic ethnographies read in the original, selected to represent a wide range of culture types, culture areas, and theoretical perspectives. Broadens and deepens students' control of the professional database, while exploring how data support theoretical constructs and how theory in turn informs ethnographic methods and descriptions. Prerequisites: Graduate standing.

ANTH 741 - Seminar in Cultural Processes Credits 3

Theories of culture change on selected topics. Notes: Topics to be announced. May be repeated to a maximum of 12 credits. Prerequisites: Consent of instructor.

ANTH 744 - Identity, Culture and Power Credits 3

Examines how transnational migration and globalization affect our understanding of identity, culture, and power relations. What is identity? Why isn't identity fixed? What is the relationship between the local and the global? Seminar explores these questions focusing on themes of identity, culture, and power.

ANTH 751 - Seminar on Current Problems in Archaeology Credits 3

Varies by semester; addresses topics concerning archaeological method and theory. Notes: May be repeated to a maximum of six credits.

ANTH 753 - Seminar in Cultural Adaptations to Arid Environments Credits 3

Addresses the problems of human cultural adaptations to arid environments, with special attention given to technological and social responses to these environments. Prerequisites: ACC 703

ANTH 754 - Archaeology and Paleocology of the Great Basin Credits 3

Examines paleoenvironments and prehistory of the Great Basin and intermountain west, including Nevada and surrounding states. Issues include Pleistocene and Holocene paleoenvironmental reconstruction, Paleoindian and Archaic adaptations, Fremont culture, and spread of Numic-speaking populations. Field trip. Prerequisites: Graduate standing or consent of instructor.

ANTH 755 - Seminar in Archaeological and Historic Preservation Credits 3

Management of archaeological resources; laws and policies protecting archaeological sites, methods of identification, and evaluation of archaeological resources; the interface of archaeological preservation and archaeology as a scientific discipline.

ANTH 756 - Archaeology of Hunter-Gatherers Credits 3

Course examines hunter-gatherers throughout the world, focusing on paleoenvironment, land use, subsistence, and social interaction. Prerequisites: Consent of instructor.

ANTH 757 - Seminar in Southwestern Archaeology Credits 3

Examines the prehistoric societies of the American Southwest, including the Hohokam, Mogollon, and Anasazi; issues include origins, social organization, subsistence, production, distribution and exchange, and the dynamics of change in the region. Prerequisites: ANTH 418 or consent of instructor.

ANTH 758 - Seminar in Agricultural Origins Credits 3
Examines the circumstances surrounding the transition from hunting and gathering to food production throughout the world. Evaluates both the theoretical framework and empirical database for understanding this transition and the consequences of the shift to agricultural production.

ANTH 761 - Seminar on Current Thought in Physical Anthropology Credits 3
Topics to be announced. Notes: May be repeated to a maximum of six credits. Prerequisites: Consent of instructor.

ANTH 762 - Laboratory Seminar on Osteology Credits 3
'Hands-on' class relevant to research and analysis in human osteology and palaeopathology. Laboratory analysis of osteological and palaeopathology materials available in the Physical Anthropology Laboratory. Methods of age, sex, ethnic determinations, discrete morphological, anthropometric, and palaeopathological research and analysis. Prerequisites: ANTH 462

ANTH 763 - Paleoanthropology Credits 3
Current issues in and evidence for human biocultural evolution. Include finding, dating, and naming fossil hominids, the effect of climate on hominid evolution, as well as issues in paleobiology, functional anatomy, prehistoric archaeology, and geomorphology. Prerequisites: Consent of instructor.

ANTH 764 - Seminar: Medical Anthropology Credits 3
Explores the evolution and cross-cultural understanding of human health, healing and disease. Includes extensive examination and critical evaluation of evolutionary, biocultural and culturally-centered approaches in medical anthropology. Prerequisites: Consent of instructor.

ANTH 765 - New Approaches in Biocultural Methods and Theory Credits 3
Highlights a topic at the intersection of biological and cultural perspectives. Features theoretical, empirical and methodological aspects. Can vary in topic each time it is taught. Notes: May be repeated to a maximum of six credits. Grading Letter grade

ANTH 770 - Quantitative Methods in Anthropology Credits 3
Provides practical introduction to the uses of computers for statistical analysis, data gathering and storage, computer modeling and computer-assisted instruction as applies in anthropology. Every student carries out one or more projects requiring the use of computers. Prerequisites: MIS 101 or CSC 115 or equivalent or consent of instructor.

ANTH 771 - Computer Applications for Anthropologists Credits 3
Anthropologists depend on computers in every aspect of their work from data collection and recording to subsequent analyses and presentation, and ultimately publication. This course helps students develop computer literacy and proficiency, and introduces students to a multitude of software platforms to make academic and professional life easier.

ANTH 772 - Computer Modeling for Anthropologists Credits 3
Use of computer programming to develop customized statistical tests, and create computer models for simulations of evolutionary change, decision-making, etc. Instruction provided in a Visual Basic Applications (VBA) development environment. Prerequisites: ANTH 770 or permission of instructor.

ANTH 790 - Research Design, Professional Ethics, and Grant Writing for Anthropologists Credits 3
Class components include ethics relating to data acquisition and sharing, formulating cohesive and compelling research questions, and the mechanics of proposal preparation required in professional practice. All students will be required to prepare and present a research proposal. Prerequisites: Graduate standing or consent of instructor.

ANTH 795 - Culminating Experience Credits 3 - 6
Research, analysis and writing towards completion of a non-thesis MA and defense. Notes: May be repeated to a maximum of six credits. Grading S/F grading only.

ANTH 796 - Cultural Resource Management Internship Credits 3
Students work with an archaeologist both in field and office situations, focusing on identification and evaluation of sites; writing technical reports and examining the development of correspondence between federal agencies and contracting archaeologists. Prerequisites: One field class (ANTH 453, 485, 486) and one lab class (ANTH 452, 458) or one summer field school (ANTH 487, 488), senior or graduate standing and recommendation of UNLV faculty coordinator.

ANTH 797 - Thesis Credits 3 - 6
Research, analysis, and writing towards completion of thesis and subsequent defense. Notes: May be repeated but only six credits will be applied to the student's program. Grading S/F grading only.

ANTH 798 - Dissertation Credits 3 - 12
Research analysis and writing towards completion of dissertation and subsequent defense. Notes: May be repeated but only 12 credits will be applied to the student's program. Grading S/F grading only.

ANTH 799 - Independent Research Credits 1 - 4
Study of selected topics under the direction of a faculty member. Notes: May be repeated to a maximum of six credits. Grading S/F grading only.

English

The Department of English offers programs of study leading to the master of arts, master of fine arts, and doctor of philosophy degrees. The MA program involves coursework at the graduate level in British and American literature or in language/composition studies. Work toward this degree is designed to supplement and advance the student's undergraduate study in English and to familiarize the student with professional standards,

research methods, and modes of thought in the discipline. Possession of this degree typically leads to professional advancement for the secondary school or community college teacher; to careers in writing, editing, and publishing; or to further study in English at the doctoral level.

The MFA program is designed to be a three-year, intensive studio arts terminal degree with a strong international emphasis and requires the writing of a book-length creative thesis in fiction, literary nonfiction, or poetry. The objectives of the MFA degree are to enable the student to master the craft of writing in the chosen genre to a publishable level; to train the student in traditional literary studies and writing pedagogy; and to provide the student with some practical knowledge of literary translation and literary publishing. The goal of the three-year course of studies is to prepare the student for a teaching career at the university, college, or community college level and/or for writing as a profession outside the academy; to provide the student with an international perspective on both the creation, publication, and teaching of the literary arts, specifically fiction, literary nonfiction, or poetry; to encourage an appreciation of literature and writing in all its forms in a global context; and to inspire literary activism of the public intellectual and person of letters.

The PhD program is a highly specialized program designed to develop a capacity for research, original thought, and writing and to equip students for careers in the teaching of English at the college or university level and in writing, editing, and publishing. The doctoral program has two tracks. The traditional PhD focuses on literary studies, although a concentration of six credits may be earned in composition studies. Each student chooses three areas in which to specialize: (1) a chronological period, (2) a literary genre, and (3) either an additional chronological period, a major author, or a special topic approved by the student's advisory committee. Coursework is devoted to developing a high degree of professional expertise in these areas of specialization. Such knowledge is tested in a qualifying examination and is also the basis upon which the student writes a doctoral dissertation.

Offered in partnership with the Beverly Rogers, Carol C. Harter Black Mountain Institute, the PhD with Creative Dissertation Track centers on the study of British and American literature and includes coursework in English and creative writing, a qualifying examination (based on three areas of specialization, as described above), and a creative dissertation, typically a collection of poems, literary nonfiction, or short stories; a novel; or a cross genre-manuscript.

Gary Totten, Ph.D., Chair

Kelly Mays, Ph.D., Graduate Coordinator

English Faculty

Chair

Totten, Gary - *Full Graduate Faculty*

Professor; B.A., M.A., Brigham Young University; Ph.D., Ball State University. Rebel since 2016.

Graduate Coordinator

Mays, Kelly J. - *Full Graduate Faculty*

Associate Professor; B.A., Emory University; Ph.D., Stanford University. Rebel since 2001.

Director of Creative Writing

Unger, Douglas - *Full Graduate Faculty*

Professor; B.A., University of Chicago; M.F.A., University of Iowa. Rebel since 1991.

Graduate Faculty

Becker, Megan L. - *Full Graduate Faculty*

Professor; B.A., Bryn Mawr College; M.A., Ph.D., University of California, Irvine. Rebel since 1999.

Bowers, John M. - *Full Graduate Faculty*

Professor; B.A., Duke University; M.A., Ph.D., University of Virginia; M.Phil., Oxford University. Rebel since 1987.

Brown, Stephen - *Full Graduate Faculty*

Professor; B.A., University of California, Santa Barbara, M.A., Ph.D., University of South Florida. Rebel since 2002.

Campbell, Felicia Florine - *Full Graduate Faculty*

Professor; B.S., M.S., University of Wisconsin, Madison; Ph.D., United States International University, San Diego. Rebel since 1962.

Carrion, Melissa - *Full Graduate Faculty*

Assistant Professor; B.A., M.A., Arizona State University; Ph.D., Purdue University. Rebel since 2019.

Chapman, Maile - *Full Graduate Faculty*

Associate Professor; B.A. Evergreen State College; M.F.A., Syracuse University; Ph.D., University of Nevada, Las Vegas. Rebel since 2011.

Clinnin, Kaitlin - *Full Graduate Faculty*

Assistant Professor; B.A. University of North Carolina at Greensboro; M.A., Virginia Tech; Ph.D., The Ohio State University. Rebel since 2017.

Decker, Christopher - *Full Graduate Faculty*

Associate Professor; B.A., Yale University; Ph.D., Cambridge University. Rebel since 2004.

Erwin, Timothy - *Full Graduate Faculty*

Professor; B.A., Marquette University; M.A., Ph.D., University of Chicago. Rebel since 1990.

Hay, John - *Full Graduate Faculty*

Associate Professor; B.A., University of Pittsburgh; M.A., M. Phil., Ph.D., Columbia University. Rebel since 2013.

Jablonski, Jeffrey A. - *Full Graduate Faculty*

Associate Professor; B.A., M.A., State University of New York College at Buffalo; Ph.D., Purdue University. Rebel since 2000

Johnson, Javon - *Full Graduate Faculty*

Assistant Professor; B.A., M.A., California State University at Los Angeles; Ph.D., Northwestern University. Rebel since 2017.

Keelan, Claudia - *Full Graduate Faculty*

Professor; B.A., Humboldt State University; M.F.A., University of Iowa. Rebel since 1996.

Keene, Jarret - *Full Graduate Faculty*

Assistant Professor; B.A., University of Central Florida; M.A., Ph.D., Florida State University. Rebel since 2015.

Morris, David - *Full Graduate Faculty*

Assistant Professor; B.A., Texas A&M University; M.A., San Diego State University; M.F.A., University

of California, Irvine. Rebel since 2017.

Nagelhout, Edwin - *Full Graduate Faculty*

Professor; B.A., California State University-Fullerton;
M.A., Ph.D., Purdue University. Rebel since 2005.

Orduña, José Roach - *Full Graduate Faculty*

Assistant Professor; B.A., Columbia College Chicago;
M.F.A., University of Iowa. Rebel since 2017.

Perez, Vincent - *Full Graduate Faculty*

Associate Professor; B.A., University of California, Santa
Cruz; M.A., Ph.D., Stanford University. Rebel since 1999.

Revell, Donald - *Full Graduate Faculty*

Professor; B.A., Harpur College at Binghamton University;
M.A., State University of New York at Binghamton; Ph.D.,
State University of New York at Buffalo. Rebel since 2008.

Rosenberg, Beth Carole - *Full Graduate Faculty*

Associate Professor; B.A., Douglass College,
Rutgers University; M.S., Ph.D., New
York University. Rebel since 1994.

Rusche, Philip - *Full Graduate Faculty*

Associate Professor; B.A., M.A., Emory University; M.A.,
M.Phil., Ph.D., Yale University. Rebel since 1998.

Setina, Emily - *Full Graduate Faculty*

Associate Professor; B.A., Davidson College;
Ph.D., Yale University. Rebel since 2014.

Sexton, Steven - *Full Graduate Faculty*

Assistant Professor; B.A., University of New Mexico;
M.A., Ph.D., University of Oklahoma. Rebel since 2018.

Stevens, Anne H. - *Full Graduate Faculty*

Professor; B.A., University of Chicago; M.A.,
Ph.D., New York University. Rebel since 2004.

Teague, Jessica E. - *Full Graduate Faculty*

Assistant Professor; B.A., University of
California, Los Angeles; M.A., Ph.D.,
Columbia University. Rebel since 2014.

Tillery, Denise - *Full Graduate Faculty*

Professor; B.A., Ph.D., University of New Mexico; M.A.,
University of North Carolina. Rebel since 2004.

Tseptsura, Mariya –

Associate Director of Composition; B.A., M.A., Russian
NewUniversity, Moscow; M.A., University of South Dakota;
Ph.D., University of New Mexico. Rebel since 2019.

Walker, Katherine – *Full Graduate Faculty*

Assistant Professor; B.A., University of North
Texas; M.A., Texas Christian University; Ph.D.,
University of North Carolina. Rebel since 2020.

Whiteside, Brianna - *Full Graduate Faculty*

Assistant Professor; B.A., Tougaloo College; M.A.,
Southern Illinois University – Edwardsville; Ph.D.,
The University of Alabama. Rebel since 2018.

Professors Emeriti

Coburn, W. Leon

Emeritus Associate Professor; B.A., University
of New Mexico; M.A., Ph.D., University of
California, Davis. Joined UNLV 1969.

Engberg, Norma J.

Emerita Associate Professor; B.A., George Washington
University; M.A., University of Florida; Ph.D.,
University of Pennsylvania. Joined UNLV 1969.

Gajowski, Evelyn - *Full Graduate Faculty*

Emerita Professor; B.A., Cleveland State
University; M.A., Ph.D., Case Western
Reserve University. Rebel since 1991.

Geuder, Patricia

Emerita Associate Professor; B.A., M.E.,

University of Nevada, Reno; Ph.D., University
of New Mexico. Joined UNLV 1969.

Hafen, Jane - *Full Graduate Faculty*

Emerita Professor; B.A., M.A., Brigham Young University;
Ph.D., University of Nevada, Las Vegas. Rebel since 1993.

Hazen, James F.

Emeritus Professor; B.A., Princeton University; M.S.,
Ph.D., University of Wisconsin. Joined UNLV 1971.

Irsfeld, John H.

Emeritus Professor; B.A., M.A., Ph.D.,
University of Texas. Joined UNLV 1969.

McCullough, Joseph B. - *Full Graduate Faculty*

Emeritus Distinguished Professor; B. Ed.,
Gonzaga University; M.A., Ph.D., Ohio
University. Joined UNLV 1969.

Unrue, Darlene Harbour

Emerita Distinguished Professor; B.A.,
M.A., Marshall University; Ph.D., The Ohio
State University. Joined UNLV 1972.

Unrue, John C.

Emeritus Professor; B.A., M.A., Marshall University;
Ph.D., The Ohio State University. Joined UNLV 1970.

Weinstein, Mark A.

Emeritus Distinguished Professor; B.A., Cornell University;
M.A., Ph.D., Yale University. Joined UNLV 1970.

Whitney, Charles - *Full Graduate Faculty*

Professor; B.A., San Francisco State College; Ph.D.,
City University of New York. Rebel since 1988.

Wiley, Richard - *Full Graduate Faculty*

Emeritus Professor; B.A., University of Puget
Sound; M.A., Sophia University; M.F.A.,
University of Iowa. Rebel since 1989.

Plans

Master of Fine Arts - Creative Writing

Master of Arts - English

Doctor of Philosophy – English

Master of Fine Arts - Creative Writing

Plan Description

The MFA international program at UNLV enables writers to begin recognizing themselves and their art in relation to a larger understanding of writing in the world. The program's commitment to world literature provides a unique MFA experience that differs from many traditional creative writing programs. Admitted students follow three-year plans of study that includes literature and writing courses, time abroad, completion of a book-length manuscript of poetry, fiction or literary nonfiction, and a literary translation. In addition, the MFA program at UNLV is the nation's only creative writing program that gives credit to students who wish to spend their time abroad in the Peace Corps. The program's international emphasis is derived from the belief that the best writing is done by individuals who know that literature is something created from more than mere self-expression, and that great books are written by the few who know their gift

is connected to the world they live in and who strive to create dialogue between private imagination and public concern. Graduates of UNLV's MFA program have gone on to publish books, secure tenure track teaching jobs, gain admission to Ph.D. programs, and enter the workforce as editors, writers, and arts administrators. UNLV also routinely supports recent graduates with part-time teaching opportunities in the department.

For more information about your program, including your graduate program handbook and learning outcomes please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

All domestic and international applicants must review and follow the Graduate College Admission & Registration Requirements.

Applicants for the M.F.A. in Creative Writing must submit the following to the English department:

1. A strong manuscript of either poetry, fiction or literary nonfiction for the admissions selection process of approximately 10-15 pages for poetry and 20-30 pages for fiction and literary nonfiction. The primary consideration for admission is the quality of the manuscript as judged by the Creative Writing faculty.
2. A letter of application to the Graduate Committee that includes a statement of purpose and reasons the applicant wants to study creative writing at the University of Nevada, Las Vegas.
3. Applicants must send one official set of transcripts from all colleges or universities attended to the Graduate College through the Grad Rebel Gateway portal.
4. Two letters of recommendation to be sent directly to the Graduate College through the Grad Rebel Gateway portal. There is a wide range of acceptability with regard to an applicant's previous record of studies and major field of specialization as an undergraduate.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

See Subplan Requirements below.

Subplan 1 Requirements: International Focus Track

Total Credits Required: 54

Course Requirements

Creative Writing Course – Credits: 12

Complete 9 credits in the chosen genre of concentration (either poetry, fiction or literary nonfiction) and 3 credits in

another genre.

ENG 705 - Creative Writing Workshop

Required Courses – Credits: 6

- ENG 739 - M.F.A. Translation
- ENG 791 - College Teaching in Language and Literature

Forms of Fiction, Poetry, or Literary Nonfiction Course – Credits: 9

Complete 6 credits in the chosen genre of concentration and 3 credits in another genre.

- ENG 729 - Forms of Fiction, Literary Nonfiction, or Poetry

Elective Courses – Credits: 9

Complete 9 credits of graduate literature courses not offered by the creative writing faculty of the Department of English.

Independent Study – Credits: 6

- ENG 794 - Independent Study - International Focus

Thesis – Credits: 12

- ENG 790 - M.F.A. Thesis

Degree Requirements

1. Independent Study: International Focus

1.
3 credits for the completion of a significant translation of superior quality from a language other than English and 3 credits for the writing of a substantial scholarly essay of at least 5,000 words on some aspect of a major world writer or field of literary study.

2. The strong international emphasis of the M.F.A. in Creative Writing requires all students to spend at least one semester or summer abroad in a non-English speaking country and to earn at least six credits toward the M.F.A. by enrolling in a university, school, or institute abroad and/or by Independent Study guided and monitored by a member of the Creative Writing faculty. For applicants with strong experience and demonstrable study and residency in a non-English speaking country and with significant foreign language skills, the study abroad requirement may be waived at the discretion of the Creative Writing faculty and of the Graduate College. The six required credits must then be earned in some other way, usually by taking additional 700-level Literature classes or 700-level classes in other disciplines, or a combination of these and 700-level Independent Study or additional Graduate Workshops.

2. In consultation with his/her advisor, a student will organize a thesis committee of at least three departmental members. In addition, a fourth member from outside the department, known as the Graduate

College Representative, must be appointed. An additional committee member may be added at the student and department's discretion. Please see Graduate College policy for committee appointment guidelines.

3. All candidates for the M.F.A. degree are required to write a creative thesis in either poetry, literary nonfiction, or fiction, and to complete at least 12 credits toward the creative thesis requirement by intensive work in conference with members of the faculty. The creative thesis for the M.F.A. will be a book-length manuscript and must conform to the guidelines set forth by the Graduate College in this catalog and in its Thesis and Dissertation Manual. The M.F.A. creative thesis will only be passed and the M.F.A. degree granted when the creative thesis is judged to be a substantial creative work of high seriousness and literary merit in the opinion of the Creative Writing faculty and the student's creative thesis committee.

Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
2. The student must submit and successfully defend his/her thesis by the posted deadline. The defense must be advertised and is open to the public.
3. Student must submit his/her approved, properly formatted document to the Graduate College, and submit the approved electronic version to ProQuest by the posted deadline.

Subplan 2 Requirements: Peace Corps Track

Total Credits Required: 42

Course Requirements

Creative Writing Course – Credits: 12

Complete 9 credits in the chosen genre of concentration (either poetry, fiction, or literary nonfiction) and 3 credits in another genre.

- ENG 705 - Creative Writing Workshop

Required Courses – Credits: 6

- ENG 739 - M.F.A. Translation
- ENG 791 - College Teaching in Language and Literature

Forms of Fiction or Poetry Course – Credits: 9

- ENG 729 - Forms of Fiction, Literary Nonfiction, or Poetry

Elective Courses – Credits: 6

Complete 6 credits of graduate literature courses not offered by the creative writing faculty of the Department of English.

Thesis – Credits: 9

- ENG 790 - M.F.A. Thesis

Degree Requirements

1. Through the Peace Corps Master's International Partnership, students must apply to the Peace Corps during their first or second year in the program.
2. The entire program is a four-year obligation. Students complete their course work in two years instead of the usually required three, and write a thesis during their two-year Peace Corps assignment.
3. Students receive an MFA when they complete their Peace Corps assignment, receive a resettlement allowance, and then complete and defend the MFA thesis.
4. In consultation with his/her advisor, a student will organize a thesis committee of at least three departmental members. In addition, a fourth member from outside the department, known as the Graduate College Representative, must be appointed. An additional committee member may be added at the student and department's discretion. Please see Graduate College policy for committee appointment guidelines.
5. All candidates for the M.F.A. degree are required to write a creative thesis in either poetry, literary nonfiction or fiction, and to complete at least 12 credits toward the creative thesis requirement by intensive work in conference with members of the faculty. The creative thesis for the M.F.A. will be a book-length manuscript and must conform to the guidelines set forth by the Graduate College in this catalog and in its Thesis and Dissertation Manual. The M.F.A. creative thesis will only be passed and the M.F.A. degree granted when the creative thesis is judged to be a substantial creative work of high seriousness and literary merit in the opinion of the Creative Writing faculty and the student's creative thesis committee.

Graduation Requirements

1. The student must submit all required forms to the Graduate College.
1. Upon return from the Peace Corps, students must:
 1. Have faculty submit a grade change form for any X grades
 2. Apply for graduation and pay the fee
 3. If the student cannot graduate in the semester in which he or she returns, he or she must enroll in 6 graduate credits in the next semester
2. The student must submit and successfully defend his/her thesis by the posted deadline. The defense must be advertised and is open to the public.
3. Student must submit his/her approved, properly

formatted document to the Graduate College, and submit the approved electronic version to ProQuest by the posted deadline.

Plan Graduation Requirements

Refer to your subplan for Graduation Requirements

Master of Arts - English

Plan Description

The M.A. program involves coursework at the graduate level in British and American literature or in language studies; a written or oral comprehensive examination; and an optional thesis. Work toward this degree is designed to supplement and complete the student's undergraduate study of English and to familiarize the student with professional standards, methods of research, and modes of thought in the discipline. Possession of this degree normally leads to advancement in the teaching profession for the secondary school or community college teacher; to careers in writing, publishing and editing; or to further study in English at the doctoral level.

For more information about your program, including your graduate program handbook and learning outcomes please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

Applicants must meet the minimum requirements of the Graduate College, including holding an undergraduate GPA of 2.75 or better from a regionally accredited college or university. In addition, the English department requires a minimum of 21 credits in English courses above the Freshman Composition level.

Applicants must submit the following:

1. Two letters of recommendation from individuals qualified to speak to the applicant's qualifications and potential for graduate study in English;
2. A statement of purpose describing the applicant's areas of interest, reasons for undertaking graduate study in English, relevant experience, and future intellectual and career goals;
3. Official transcripts from all colleges or universities attended;
4. Official scores on the Great Record Examination (GRE) General Test; and
5. A writing sample of 10-20 pages demonstrating the ability to write lucidly and to conduct a sustained reading of one or more literary or cultural texts. Samples are typically either essays originally written for upper-division English courses or excerpts from

longer works.

All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.

Accomplished UNLV undergraduates may apply for the Advanced Program Track after completion of 75 credit hours. Students must meet all of the following criteria to be considered for admission to the Advanced Program Track:

- Minimum of 3.5 GPA in English courses;
- Department chair or graduate coordinator's recommendation; and
- Submission — to the department graduate coordinator — of two letters of recommendation from UNLV faculty, an unofficial transcript, a brief (1-2 page) statement of purpose, and a 10-15 page writing sample (usually an essay or essays written for an upper-division English course or courses). To ensure timely consideration, applicants should submit these materials before registration opens for the semester in which they wish to register for graduate courses.

Until they advance to graduate status, admitted Advanced Track students must submit an Undergraduate Approval to Take a Graduate Level Course Form for each graduate course in which they wish to enroll. To advance to graduate status, students admitted to the Advanced Track must complete 6 credits of graduate-level English coursework in their senior year with a B or better; satisfy all requirements for the BA in English; and apply through the Grad Rebel Gateway, observing required deadlines.

Plan Requirements

See Subplan Requirements below.

Subplan 2: Literature Emphasis Track - Non-Thesis

Subplan 5: Advanced Track - Thesis

Subplan 6: Advanced Track - Non-Thesis

Subplan 1 Requirements: Literature Emphasis Track – Thesis

Total Credits Required: 30

Course Requirements

Required Courses – Credits: 3

- ENG 700 - Bibliography and Methods

Literature Courses in Periods before 1800 – Credits: 9

Complete three of the following courses:

- ENG 632A - Chaucer
- ENG 634A - Shakespeare: Tragedies
- ENG 634B - Shakespeare: Comedies and Histories

- ENG 635A - Milton
- ENG 640A - Medieval English Literature
- ENG 640B - Gender and Early Literature
- ENG 641A - The Renaissance
- ENG 641B - Gender and Renaissance Literature
- ENG 642A - The Seventeenth Century
- ENG 643A - Restoration and Augustan Literature
- ENG 643C - Later Eighteenth Century
- ENG 652A - American Literature, 1620-1800
- ENG 660A - Heroic Epic
- ENG 663A - Classical Drama in Translation
- ENG 664A - English Drama to 1642
- ENG 665B - Restoration and Eighteenth-Century Drama
- ENG 670A - The British Novel I
- ENG 673A - The Early American Novel
- ENG 695A - Early African American Literature
- ENG 720 - Studies in Medieval Literature
- ENG 722 - Studies in Chaucer
- ENG 723 - Studies in the Renaissance
- ENG 724 - Studies in Early Seventeenth-Century Literature
- ENG 725 - Studies in Shakespeare
- ENG 728 - Studies in Milton
- ENG 731 - Studies in Restoration and Eighteenth-Century British Literature

Literature Courses in Periods after 1800 – Credits: 9

Complete three of the following courses:

- ENG 644B - The Romantic Poets
- ENG 645B - Victorian Poetry
- ENG 645C - Nineteenth-Century Prose Writers
- ENG 646A - Modern British Literature
- ENG 652B - American Literature, 1800-1865
- ENG 653A - American Literature, 1865-1918
- ENG 653B - American Literature, 1918-Present
- ENG 654B - Gender and Modern American Literature
- ENG 662A - Modern British Poetry
- ENG 662C - Modern American Poetry
- ENG 666A - Nineteenth-Century Drama
- ENG 667A - Modern British Drama
- ENG 667B - Modern American Drama

- ENG 670B - The British Novel II
- ENG 671A - Modern English Novel
- ENG 671B - Contemporary English Novel
- ENG 673B - The Modern American Novel
- ENG 673C - The Contemporary American Novel
- ENG 677A - Film and Literature
- ENG 694A - Native American Literature
- ENG 695B - Modern African American Literature
- ENG 696C - Contemporary Latino/a Literature
- ENG 734 - Studies in English Romanticism
- ENG 735 - Studies in Victorian Literature
- ENG 738 - Studies in Modern British Literature
- ENG 742 - Studies in Early American Literature
- ENG 743 - Studies in Later American Literature
- ENG 744 - Studies in Modern American Literature
- ENG 787 - Studies in Modern Comparative Literature

Elective Courses – Credits: 3

Students completing the Master's thesis must complete 3 credits of elective coursework. Elective credits may be in any period or area.

- ENG 632A - Chaucer
- ENG 634A - Shakespeare: Tragedies
- ENG 634B - Shakespeare: Comedies and Histories
- ENG 635A - Milton
- ENG 640A - Medieval English Literature
- ENG 640B - Gender and Early Literature
- ENG 641A - The Renaissance
- ENG 641B - Gender and Renaissance Literature
- ENG 642A - The Seventeenth Century
- ENG 643A - Restoration and Augustan Literature
- ENG 643C - Later Eighteenth Century
- ENG 644B - The Romantic Poets
- ENG 645B - Victorian Poetry
- ENG 645C - Nineteenth-Century Prose Writers
- ENG 646A - Modern British Literature
- ENG 652B - American Literature, 1800-1865
- ENG 653A - American Literature, 1865-1918
- ENG 653B - American Literature, 1918-Present
- ENG 654B - Gender and Modern American Literature
- ENG 660A - Heroic Epic
- ENG 662A - Modern British Poetry

- ENG 662C - Modern American Poetry
- ENG 663A - Classical Drama in Translation
- ENG 664A - English Drama to 1642
- ENG 665B - Restoration and Eighteenth-Century Drama
- ENG 666A - Nineteenth-Century Drama
- ENG 667A - Modern British Drama
- ENG 667B - Modern American Drama
- ENG 670A - The British Novel I
- ENG 670B - The British Novel II
- ENG 671A - Modern English Novel
- ENG 671B - Contemporary English Novel
- ENG 673A - The Early American Novel
- ENG 673B - The Modern American Novel
- ENG 673C - The Contemporary American Novel
- ENG 677A - Film and Literature
- ENG 694A - Native American Literature
- ENG 695A - Early African American Literature
- ENG 695B - Modern African American Literature
- ENG 696C - Contemporary Latino/a Literature
- ENG 720 - Studies in Medieval Literature
- ENG 722 - Studies in Chaucer
- ENG 723 - Studies in the Renaissance
- ENG 724 - Studies in Early Seventeenth-Century Literature
- ENG 725 - Studies in Shakespeare
- ENG 728 - Studies in Milton
- ENG 731 - Studies in Restoration and Eighteenth-Century British Literature
- ENG 734 - Studies in English Romanticism
- ENG 735 - Studies in Victorian Literature
- ENG 738 - Studies in Modern British Literature
- ENG 742 - Studies in Early American Literature
- ENG 743 - Studies in Later American Literature
- ENG 744 - Studies in Modern American Literature
- ENG 760 - Studies in Literary Genres
- ENG 775 - Studies in Literary Criticism
- ENG 795 - Seminar
- ENG 787 - Studies in Modern Comparative Literature
- ENG 791 - College Teaching in Language and Literature

Thesis – Credits: 6

- ENG 797 - Thesis

Degree Requirements

See Plan Degree Requirements below.

Graduation Requirements

See Plan Graduation Requirements below.

Subplan 2 Requirements: Literature Emphasis Track – Non-Thesis

Total Credits Required: 30

Course Requirements

Required Courses – Credits: 3

ENG 700 - Bibliography and Methods

Literature Courses in Periods before 1800 – Credits: 9

Complete three of the following courses:

- ENG 632A - Chaucer
- ENG 634A - Shakespeare: Tragedies
- ENG 634B - Shakespeare: Comedies and Histories
- ENG 635A - Milton
- ENG 640A - Medieval English Literature
- ENG 641A - The Renaissance
- ENG 641B - Gender and Renaissance Literature
- ENG 642A - The Seventeenth Century
- ENG 643A - Restoration and Augustan Literature
- ENG 643C - Later Eighteenth Century
- ENG 652A - American Literature, 1620-1800
- ENG 660A - Heroic Epic
- ENG 663A - Classical Drama in Translation
- ENG 664A - English Drama to 1642
- ENG 665B - Restoration and Eighteenth-Century Drama
- ENG 670A - The British Novel I
- ENG 673A - The Early American Novel
- ENG 695A - Early African American Literature
- ENG 720 - Studies in Medieval Literature
- ENG 722 - Studies in Chaucer
- ENG 723 - Studies in the Renaissance
- ENG 724 - Studies in Early Seventeenth-Century Literature
- ENG 725 - Studies in Shakespeare
- ENG 728 - Studies in Milton
- ENG 731 - Studies in Restoration and Eighteenth-

Century British Literature

Literature Courses in Periods after 1800 – Credits: 9

Complete three of the following courses:

- ENG 644B - The Romantic Poets
- ENG 645B - Victorian Poetry
- ENG 645C - Nineteenth-Century Prose Writers
- ENG 646A - Modern British Literature
- ENG 652B - American Literature, 1800-1865
- ENG 653A - American Literature, 1865-1918
- ENG 653B - American Literature, 1918-Present
- ENG 654B - Gender and Modern American Literature
- ENG 662A - Modern British Poetry
- ENG 662C - Modern American Poetry
- ENG 666A - Nineteenth-Century Drama
- ENG 667A - Modern British Drama
- ENG 667B - Modern American Drama
- ENG 670B - The British Novel II
- ENG 671A - Modern English Novel
- ENG 671B - Contemporary English Novel
- ENG 673B - The Modern American Novel
- ENG 673C - The Contemporary American Novel
- ENG 677A - Film and Literature
- ENG 694A - Native American Literature
- ENG 695B - Modern African American Literature
- ENG 696C - Contemporary Latino/a Literature
- ENG 734 - Studies in English Romanticism
- ENG 735 - Studies in Victorian Literature
- ENG 738 - Studies in Modern British Literature
- ENG 742 - Studies in Early American Literature
- ENG 743 - Studies in Later American Literature
- ENG 744 - Studies in Modern American Literature
- ENG 787 - Studies in Modern Comparative Literature

Elective Courses – Credits: 9

Students who choose not to complete a thesis must complete 9 credits of elective coursework. Elective credits may be in any period or area.

- ENG 632A - Chaucer
- ENG 634A - Shakespeare: Tragedies
- ENG 634B - Shakespeare: Comedies and Histories
- ENG 635A - Milton
- ENG 640A - Medieval English Literature

- ENG 640B - Gender and Early Literature
- ENG 641A - The Renaissance
- ENG 641B - Gender and Renaissance Literature
- ENG 642A - The Seventeenth Century
- ENG 643A - Restoration and Augustan Literature
- ENG 643C - Later Eighteenth Century
- ENG 644B - The Romantic Poets
- ENG 645B - Victorian Poetry
- ENG 645C - Nineteenth-Century Prose Writers
- ENG 646A - Modern British Literature
- ENG 652A - American Literature, 1620-1800
- ENG 652B - American Literature, 1800-1865
- ENG 653A - American Literature, 1865-1918
- ENG 653B - American Literature, 1918-Present
- ENG 654B - Gender and Modern American Literature
- ENG 660A - Heroic Epic
- ENG 662A - Modern British Poetry
- ENG 662C - Modern American Poetry
- ENG 663A - Classical Drama in Translation
- ENG 664A - English Drama to 1642
- ENG 665B - Restoration and Eighteenth-Century Drama
- ENG 666A - Nineteenth-Century Drama
- ENG 667A - Modern British Drama
- ENG 667B - Modern American Drama
- ENG 670A - The British Novel I
- ENG 670B - The British Novel II
- ENG 671A - Modern English Novel
- ENG 671B - Contemporary English Novel
- ENG 673A - The Early American Novel
- ENG 673B - The Modern American Novel
- ENG 673C - The Contemporary American Novel
- ENG 677A - Film and Literature
- ENG 694A - Native American Literature
- ENG 695A - Early African American Literature
- ENG 695B - Modern African American Literature
- ENG 696C - Contemporary Latino/a Literature
- ENG 720 - Studies in Medieval Literature
- ENG 722 - Studies in Chaucer
- ENG 723 - Studies in the Renaissance

- ENG 724 - Studies in Early Seventeenth-Century Literature
- ENG 725 - Studies in Shakespeare
- ENG 728 - Studies in Milton
- ENG 731 - Studies in Restoration and Eighteenth-Century British Literature
- ENG 734 - Studies in English Romanticism
- ENG 735 - Studies in Victorian Literature
- ENG 738 - Studies in Modern British Literature
- ENG 742 - Studies in Early American Literature
- ENG 743 - Studies in Later American Literature
- ENG 744 - Studies in Modern American Literature
- ENG 760 - Studies in Literary Genres
- ENG 775 - Studies in Literary Criticism
- ENG 787 - Studies in Modern Comparative Literature
- ENG 791 - College Teaching in Language and Literature
- ENG 795 - Seminar

Degree Requirements

See Plan Degree Requirements below.

Graduation Requirements

See Plan Graduation Requirements below.

*Subplan 3 Requirements: Language/
Composition Theory Track – Thesis*

Total Credits Required: 30

Course Requirements

Required Courses – Credits: 3

Complete one of the following courses:

- ENG 700 - Bibliography and Methods
- ENG 704 - Theory and Practice of Textual Editing

Language/Composition Courses – Credits: 12

Complete four of the following courses:

- ENG 611A - Advanced Linguistics
- ENG 611B - Principles of Modern Grammar
- ENG 612C - Seminar in Language and Cognition
- ENG 614B - Development of American English
- ENG 701 - Contemporary Composition Theory
- ENG 702 - History of Rhetoric and Composition
- ENG 711 - Studies in Language
- ENG 712 - Studies in Modern Grammar
- ENG 719 - Area Linguistics

- ENG 791 - College Teaching in Language and Literature

- ENG 792 - Directed Studies in Language

Literature Courses in any Period – Credits: 9

Complete three of the following courses:

- ENG 632A - Chaucer
- ENG 634A - Shakespeare: Tragedies
- ENG 634B - Shakespeare: Comedies and Histories
- ENG 635A - Milton
- ENG 640A - Medieval English Literature
- ENG 640B - Gender and Early Literature
- ENG 641A - The Renaissance
- ENG 641B - Gender and Renaissance Literature
- ENG 642A - The Seventeenth Century
- ENG 643A - Restoration and Augustan Literature
- ENG 643C - Later Eighteenth Century
- ENG 644B - The Romantic Poets
- ENG 645B - Victorian Poetry
- ENG 645C - Nineteenth-Century Prose Writers
- ENG 646A - Modern British Literature
- ENG 652A - American Literature, 1620-1800
- ENG 652B - American Literature, 1800-1865
- ENG 653A - American Literature, 1865-1918
- ENG 653B - American Literature, 1918-Present
- ENG 654B - Gender and Modern American Literature
- ENG 660A - Heroic Epic
- ENG 662A - Modern British Poetry
- ENG 662C - Modern American Poetry
- ENG 663A - Classical Drama in Translation
- ENG 664A - English Drama to 1642
- ENG 665B - Restoration and Eighteenth-Century Drama
- ENG 666A - Nineteenth-Century Drama
- ENG 667A - Modern British Drama
- ENG 667B - Modern American Drama
- ENG 670A - The British Novel I
- ENG 670B - The British Novel II
- ENG 671A - Modern English Novel
- ENG 671B - Contemporary English Novel
- ENG 673A - The Early American Novel
- ENG 673B - The Modern American Novel

- ENG 673C - The Contemporary American Novel
- ENG 677A - Film and Literature
- ENG 694A - Native American Literature
- ENG 695A - Early African American Literature
- ENG 695B - Modern African American Literature
- ENG 696C - Contemporary Latino/a Literature
- ENG 720 - Studies in Medieval Literature
- ENG 722 - Studies in Chaucer
- ENG 723 - Studies in the Renaissance
- ENG 724 - Studies in Early Seventeenth-Century Literature
- ENG 725 - Studies in Shakespeare
- ENG 728 - Studies in Milton
- ENG 731 - Studies in Restoration and Eighteenth-Century British Literature
- ENG 734 - Studies in English Romanticism
- ENG 735 - Studies in Victorian Literature
- ENG 738 - Studies in Modern British Literature
- ENG 742 - Studies in Early American Literature
- ENG 743 - Studies in Later American Literature
- ENG 744 - Studies in Modern American Literature
- ENG 760 - Studies in Literary Genres
- ENG 775 - Studies in Literary Criticism
- ENG 787 - Studies in Modern Comparative Literature
- ENG 795 - Seminar

Thesis – Credits: 6

- ENG 797 - Thesis

Degree Requirements

See Plan Degree Requirements below.

Graduation Requirements

See Plan Graduation Requirements below.

*Subplan 4 Requirements: Language/
Composition Theory Track – Non-Thesis*

Total Credits Required: 30

Course Requirements

Required Courses – Credits: 3

Complete one of the following courses:

- ENG 700 - Bibliography and Methods
- ENG 704 - Theory and Practice of Textual Editing

Language/Composition Courses – Credits: 12

Complete four of the following courses:

- ENG 611A - Advanced Linguistics
- ENG 611B - Principles of Modern Grammar
- ENG 612C - Seminar in Language and Cognition
- ENG 614B - Development of American English
- ENG 701 - Contemporary Composition Theory
- ENG 702 - History of Rhetoric and Composition
- ENG 711 - Studies in Language
- ENG 712 - Studies in Modern Grammar
- ENG 719 - Area Linguistics
- ENG 791 - College Teaching in Language and Literature

- ENG 792 - Directed Studies in Language

Literature Courses in any Period – Credits: 9

Complete three of the following courses:

- ENG 632A - Chaucer
- ENG 634A - Shakespeare: Tragedies
- ENG 634B - Shakespeare: Comedies and Histories
- ENG 635A - Milton
- ENG 640A - Medieval English Literature
- ENG 640B - Gender and Early Literature
- ENG 641A - The Renaissance
- ENG 641B - Gender and Renaissance Literature
- ENG 642A - The Seventeenth Century
- ENG 643A - Restoration and Augustan Literature
- ENG 643C - Later Eighteenth Century
- ENG 644B - The Romantic Poets
- ENG 645B - Victorian Poetry
- ENG 645C - Nineteenth-Century Prose Writers
- ENG 646A - Modern British Literature
- ENG 652A - American Literature, 1620-1800
- ENG 652B - American Literature, 1800-1865
- ENG 653A - American Literature, 1865-1918
- ENG 653B - American Literature, 1918-Present
- ENG 654B - Gender and Modern American Literature
- ENG 660A - Heroic Epic
- ENG 662A - Modern British Poetry
- ENG 662C - Modern American Poetry
- ENG 663A - Classical Drama in Translation
- ENG 664A - English Drama to 1642
- ENG 665B - Restoration and Eighteenth-Century Drama

- ENG 666A - Nineteenth-Century Drama
- ENG 667A - Modern British Drama
- ENG 667B - Modern American Drama
- ENG 670A - The British Novel I
- ENG 670B - The British Novel II
- ENG 671A - Modern English Novel
- ENG 673A - The Early American Novel
- ENG 673B - The Modern American Novel
- ENG 673C - The Contemporary American Novel
- ENG 677A - Film and Literature
- ENG 694A - Native American Literature
- ENG 695A - Early African American Literature
- ENG 695B - Modern African American Literature
- ENG 696C - Contemporary Latino/a Literature
- ENG 720 - Studies in Medieval Literature
- ENG 722 - Studies in Chaucer
- ENG 723 - Studies in the Renaissance
- ENG 724 - Studies in Early Seventeenth-Century Literature
- ENG 725 - Studies in Shakespeare
- ENG 728 - Studies in Milton
- ENG 731 - Studies in Restoration and Eighteenth-Century British Literature
- ENG 734 - Studies in English Romanticism
- ENG 735 - Studies in Victorian Literature
- ENG 738 - Studies in Modern British Literature
- ENG 742 - Studies in Early American Literature
- ENG 743 - Studies in Later American Literature
- ENG 744 - Studies in Modern American Literature
- ENG 760 - Studies in Literary Genres
- ENG 775 - Studies in Literary Criticism
- ENG 787 - Studies in Modern Comparative Literature
- ENG 795 - Seminar

Elective Courses – Credits: 6

Complete two of the following courses:

- ENG 611A - Advanced Linguistics
- ENG 611B - Principles of Modern Grammar
- ENG 612C - Seminar in Language and Cognition
- ENG 614B - Development of American English
- ENG 632A - Chaucer
- ENG 634A - Shakespeare: Tragedies

- ENG 634B - Shakespeare: Comedies and Histories
- ENG 635A - Milton
- ENG 640A - Medieval English Literature
- ENG 640B - Gender and Early Literature
- ENG 641A - The Renaissance
- ENG 641B - Gender and Renaissance Literature
- ENG 642A - The Seventeenth Century
- ENG 643A - Restoration and Augustan Literature
- ENG 643C - Later Eighteenth Century
- ENG 644B - The Romantic Poets
- ENG 645B - Victorian Poetry
- ENG 645C - Nineteenth-Century Prose Writers
- ENG 646A - Modern British Literature
- ENG 652A - American Literature, 1620-1800
- ENG 652B - American Literature, 1800-1865
- ENG 653A - American Literature, 1865-1918
- ENG 653B - American Literature, 1918-Present
- ENG 654B - Gender and Modern American Literature
- ENG 660A - Heroic Epic
- ENG 662A - Modern British Poetry
- ENG 662C - Modern American Poetry
- ENG 663A - Classical Drama in Translation
- ENG 664A - English Drama to 1642
- ENG 665B - Restoration and Eighteenth-Century Drama
- ENG 666A - Nineteenth-Century Drama
- ENG 667A - Modern British Drama
- ENG 667B - Modern American Drama
- ENG 670A - The British Novel I
- ENG 670B - The British Novel II
- ENG 671A - Modern English Novel
- ENG 671B - Contemporary English Novel
- ENG 673A - The Early American Novel
- ENG 673B - The Modern American Novel
- ENG 673C - The Contemporary American Novel
- ENG 677A - Film and Literature
- ENG 694A - Native American Literature
- ENG 695A - Early African American Literature
- ENG 695B - Modern African American Literature
- ENG 696C - Contemporary Latino/a Literature

- ENG 701 - Contemporary Composition Theory
- ENG 702 - History of Rhetoric and Composition
- ENG 711 - Studies in Language
- ENG 712 - Studies in Modern Grammar
- ENG 719 - Area Linguistics
- ENG 720 - Studies in Medieval Literature
- ENG 722 - Studies in Chaucer
- ENG 723 - Studies in the Renaissance
- ENG 724 - Studies in Early Seventeenth-Century Literature
- ENG 725 - Studies in Shakespeare
- ENG 728 - Studies in Milton
- ENG 731 - Studies in Restoration and Eighteenth-Century British Literature
- ENG 734 - Studies in English Romanticism
- ENG 735 - Studies in Victorian Literature

ENG 738 - Studies in Modern British Literature

ENG 742 - Studies in Early American Literature

ENG 743 - Studies in Later American Literature

ENG 744 - Studies in Modern American Literature

ENG 760 - Studies in Literary Genres

ENG 775 - Studies in Literary Criticism

ENG 787 - Studies in Modern Comparative Literature

ENG 792 - Directed Studies in Language

ENG 795 - Seminar

Degree Requirements

See Plan Degree Requirements below.

Graduation Requirements

See Plan Graduation Requirements below.

Subplan 5 Requirements: Advanced Track - Thesis

Total Credits Required: 24

Course Requirements

Required Courses – Credits: 3

- ENG 700 - Bibliography and Methods

Elective Courses – Credits: 15

Complete 15 credits of advisor-approved courses.

Thesis - Credits: 6

- ENG 797 - Thesis

Degree Requirements

See Plan Degree Requirements below.

Graduation Requirements

See Plan Graduation Requirements below.

Subplan 6 Requirements: Advanced Track - Non-Thesis

Total Credits Required: 24

Course Requirements

Required Courses – Credits: 3

- ENG 700 - Bibliography and Methods

Elective Courses – Credits: 21

Complete 21 credits of advisor-approved courses.

Degree Requirements

See Plan Degree Requirements below.

Graduation Requirements

See Plan Graduate Requirements below.

Plan Degree Requirements

No more than a total of 6 credit hours may be selected from 600-level courses.

A comprehensive examination is required of each M.A. student, who will choose either a three-hour written exam or a sixty- to ninety-minute oral exam and prepare a reading list for the examination with the supervision and approval of the advisor and the examination committee. The reading list will comprise at least twenty authors, and the selections should recognize diversity of genre, gender, culture, and period. At least seventeen of those authors should be chosen from the master reading list on the English Department website. Three other authors not on the master list may be added. If taken during the semester of graduation, the exam must be scheduled no later than three weeks before the end of classes. The Graduate College designates deadline dates for each semester. See <https://www.unlv.edu/graduatecollege>

Students must demonstrate competency in the reading of one foreign or computer language. Competency in a foreign language is demonstrated either by passing a translation examination administered by the English Department or by earning a B or better in WLC 198 or in an upper-division or graduate course in the literature of a language, taken within seven years of enrollment. Competency in a computer language is demonstrated by successful completion of an appropriate project supervised by UNLV faculty, with approval of the student's academic advisor and the Director of Graduate Studies.

A master's thesis, which carries six credits, is optional (although recommended) for the literary study emphasis and optional for the language studies emphasis. It is normally written during two consecutive semesters and must conform to the guidelines set forth by the Graduate College in this catalog and in its Thesis and Dissertation Manual.

In consultation with his/her advisor, a student will organize a thesis committee of at least three departmental members.

In addition, a fourth member from outside the department, known as the Graduate College Representative, must be appointed. An additional committee member may be added at the student and department's discretion. Please see Graduate College policy for committee appointment guidelines.

The M.A. thesis should be an original contribution to knowledge about a suitable literary or linguistic subject and comprise 40-75 pages. Thesis projects must be designed, developed, and written in close consultation with an appropriate thesis advisor and with the student's thesis committee.

Plan Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
2. The student must successfully pass the comprehensive exam and submit the Final Exam Results by the posted deadline.
3. If a thesis is completed, the student must submit and successfully defend his/her thesis by the posted deadline. The defense must be advertised and is open to the public.
4. After the thesis defense, the student must electronically submit a properly formatted pdf copy of their thesis to the Graduate College for format check. Once the thesis format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for thesis defenses, format check submissions, and the final ProQuest submission can be found here.

Doctor of Philosophy - English

Plan Description

The PhD program is a highly specialized program designed to develop a capacity for research, original thought, and writing and to equip students for careers in the teaching of English at the college or university level and in writing, editing, and publishing. The doctoral program has two tracks.

The traditional PhD focuses on literary study, although a concentration of six credits may be earned in composition studies. Each student chooses three areas in which to specialize: (1) a chronological period, (2) a literary genre, and (3) either an additional chronological period, a major author, or a special topic approved by the student's advisory committee. Coursework is devoted to developing a high degree of professional expertise in these areas of specialization. Such knowledge is tested in a qualifying examination and is also the basis upon which the student writes a doctoral dissertation.

Offered in partnership with the Beverly Rogers, Carol C. Harter Black Mountain Institute, the PhD with Creative Dissertation centers on the study of English and American Literature and includes coursework in English and creative writing, a qualifying examination (based on three areas of specialization, as described above), and a creative dissertation, typically a collection of poems, literary nonfiction, or short stories; a novel; or a cross-genre manuscript.

Admission and degree requirements for each Ph.D. program are described below.

For more information about your program, including your graduate program handbook and learning outcomes please visit the Degree Directory.

Admission and degree requirements for each Ph.D. program are described below.

Learning outcomes for specific subplan tracks can be found below:

- Doctor of Philosophy - English
- Doctor of Philosophy - English with Creative Dissertation

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

All domestic and international applicants must review and follow the Graduate College Admission & Registration Requirements.

1. All applicants must possess a B.A. in English or a related field from a regionally accredited university. Applicants to the Post-Master's Literature Track must possess an M.A. in English or a related field from a regionally accredited institution with at least 21 graduate credits and a graduate GPA of 3.50 or better. Applicants to the Creative Dissertation Track may possess either an M.A. in English or a related field as stated above or an M.F.A. in Creative Writing from an accredited institution.
2. Applicants must submit the following:
 - A statement of purpose describing the applicant's area of interest, reasons for undertaking graduate study in this area, relevant experience, and future intellectual and career goals.
 - Official transcripts from all colleges or universities attended.
 - Official scores on the Graduate Record Examination (GRE) General Test.
 - Three letters of recommendation from individuals qualified to speak to the applicant's qualifications and potential for doctoral study, research or creative

activity, and teaching in the chosen field.

- For the literature Ph.D., a writing sample of 15-20 pages demonstrating the applicant's ability to write lucidly and originally and to conduct a sustained reading of one or more literary or cultural texts by effectively engaging with secondary sources. Samples are typically either essays originally written for upper-division or graduate English courses or excerpts from longer works.
- For the Ph.D. with Creative Dissertation, a sample of fiction, literary nonfiction, or poetry, of 40-100 pages. The strength and quality of the writing sample are the primary bases for selection for admission.

Plan Requirements

See Subplan Requirements below.

Subplan 3: Post-Bachelor's Literature Track

Subplan 1 Requirements: Post-Master's Literature Track

Total Credits Required: 48

Course Requirements

Required Course – Credits: 3

- ENG 703 - Survey of Literary Criticism and Theory

Elective Courses – Credits: 33

Complete 33 credits in graduate-level advisor-approved English courses.

Dissertation – Credits: 12

- ENG 799 - Dissertation

Degree Requirements

Of the required 36 course credits, all credits must be taken at the 700-level. Six of these may be earned with a concentration in Composition Studies.

Courses completed at a grade below a B will not count towards the degree, and any student receiving more than one grade below a B will be separated from the graduate program.

Only 6 credits of Independent Study can be applied to the program.

Only 3 credits of ENG 798 (Doctoral Research) can be applied to a program.

Demonstration of competency in one foreign or computer language. Competency in a foreign language is demonstrated either by passing a translation examination administered by the English Department or by earning a B or better in WLC 198 or in an upper-division or graduate course in the literature of a language, taken within seven years of enrollment. Competency in a computer language is demonstrated by successful completion of an appropriate project supervised by UNLV faculty, with approval of the student's academic advisor and the Director of Graduate Studies. In consultation with his/her advisor, a student will organize

a dissertation Advisory Committee of at least three departmental members. In addition, a fourth member from outside the department, known as the Graduate College Representative, must be appointed. An additional committee member may be added at the student and department's discretion. Please see Graduate College policy for committee appointment guidelines.

Qualifying Examinations: Superior performance is required on qualifying examinations in the student's three areas of specialization. These examinations consist of three four-hour written exams: one in the historical period of specialization, one in the genre of specialization, and a third in an additional chronological period, a major author approved by the graduate committee, or a special topic approved by the graduate committee, and a two-hour oral examination. For more information visit the English department's website here: [English Literature PhD Requirements](#).

After passing the Qualifying Examination, and normally in the third or fourth year of the program, the student will begin a doctoral dissertation under the direction of an Advisor and Advisory Committee approved by the Graduate Director of the Department. The Prospectus for this Dissertation must be approved, and the Dissertation written, under the close supervision of the Advisor and Advisory Committee. The doctoral dissertation involves original thought and superior scholarship on a topic or author in English or American literature, or world literature in English.

Graduation Requirements

See Plan Graduation Requirements below.

Subplan 2 Requirements: Creative Dissertation Track

Total Credits Required: 48

Course Requirements

Required Course – Credits: 6

Complete 6 credits in one of the following:

- ENG 705 - Creative Writing Workshop
- ENG 796 - Independent Study

Elective Courses – Credits: 30

Complete 30 credits in non-creative writing English courses.

Credits may include ENG 729 - Forms of Fiction, Literary Nonfiction, or Poetry, to be taken once.

Credits may include ENG 791 - College Teaching in Language and Literature

Dissertation – Credits: 12

- ENG 799 - Dissertation

Degree Requirements

Of the required 36 course credits, all credits must be taken at the 700-level.

Courses completed at a grade below a B will not count towards the degree, and any student receiving more than one grade below a B will be separated from the graduate program.

Only 6 credits of Independent Study can be applied to the program.

Only 3 credits of ENG 798 (Doctoral Research) can be applied to the program.

Demonstration of reading knowledge of one foreign language. Reading knowledge is demonstrated either by passing a translation examination administered by the English Department or by earning a B or better in WLC 198 or in an upper-division or graduate course in the literature of a language, taken within seven years of enrollment.

In consultation with his/her advisor, a student will organize a dissertation committee of at least three departmental members. In addition, a fourth member from outside the department, known as the Graduate College Representative, must be appointed. An additional committee member may be added at the student and department's discretion. Please see Graduate College policy for committee appointment guidelines.

Qualifying Examinations: Superior performance is required on qualifying examinations in the student's three areas of specialization. These examinations consist of three four-hour written exams: one in the historical period of specialization, one in the genre of specialization, and a third in an additional chronological period, a major author approved by the graduate committee, or a special topic approved by the graduate committee, and a two-hour oral examination. The Qualifying Examination is normally taken at the end of the second year or at the beginning of the third.

A student pursuing the Ph.D. in English with Creative Dissertation is expected to write the dissertation in fiction, poetry, or literary nonfiction throughout all three years of the program, under the supervision of the student's Advisor. The Prospectus for the Creative Dissertation is only approved, however, after a student has passed the Qualifying Examination. The Prospectus must be approved by the student's Advisory Committee, which includes the Advisor.

Graduation Requirements

See Plan Graduation Requirements below.

Subplan 3 Requirements: Post-Bachelor's Literature Track

Total Credits Required: 75

Course Requirements

Required Courses - Credits: 6

- ENG 700 - Bibliography and Methods
- ENG 703 - Survey of Literary Criticism and Theory

Elective Courses - Credits: 21

Complete 21 credits in graduate-level advisor-approved English courses.

After successfully completing the requirements above, students are eligible to earn the Master of Arts - English.

Elective Courses - Credits: 36

Complete 36 credits in graduate-level advisor-approved English courses.

Dissertation - Credits: 12 credits

- ENG 799 - Dissertation

Degree Requirements

Of the required course credits, all credits must be taken at the 700-level. Six of these may be earned with a concentration in Composition Studies.

Courses completed at a grade below a B will not count towards the degree, and any student receiving more than one grade below a B will be separated from the graduate program.

Only 6 credits of Independent Study can be applied to the program.

Only 6 credits of ENG 798 (Doctoral Research) can be applied to a program.

Demonstration of competency in one foreign or computer language. Competency in a foreign language is demonstrated either by passing a translation examination administered by the English Department or by earning a B or better in WLC 198 or in an upper-division or graduate course in the literature of a language, taken within seven years of enrollment. Competency in a computer language is demonstrated by successful completion of an appropriate project supervised by UNLV faculty, with approval of the student's academic advisor and the Director of Graduate Studies.

In consultation with the advisor, the student will compile a portfolio to be assessed in order to receive an MA in English en route to receiving the Ph.D.

In consultation with his/her advisor, a student will organize a dissertation Advisory Committee of at least three departmental members. In addition, a fourth member from outside the department, known as the Graduate College Representative, must be appointed. An additional committee member may be added at the student and department's discretion. Please see Graduate College policy for committee appointment guidelines.

Qualifying Examinations: Superior performance is required on qualifying examinations in the student's three areas of specialization. These examinations consist of three four-hour written exams: one in the historical period of specialization, one in the genre of specialization, and a third in an additional chronological period, a major author approved by the graduate committee, or a special topic approved by the graduate committee, and a two-hour

oral examination. For more information visit the English department's website here: [English Literature Ph.D. Requirements](#).

After passing the Qualifying Examination, and normally in the third or fourth year of the program, the student will begin a doctoral dissertation under the direction of an Advisor and Advisory Committee approved by the Graduate Director of the Department. The Prospectus for this Dissertation must be approved, and the Dissertation written, under the close supervision of the Advisor and Advisory Committee. The doctoral dissertation involves original thought and superior scholarship on a topic or author in English or American literature, or world literature in English.

Graduation Requirements

See Plan Graduate Requirements below.

Plan Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
2. The student must submit and successfully defend his/her dissertation or creative dissertation by the posted deadline. The defense must be advertised and is open to the public.
3. After the dissertation defense, the student must electronically submit a properly formatted pdf copy of their dissertation to the Graduate College for format check. Once the dissertation format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for dissertation defenses, format check submissions, and the final ProQuest submission can be found here.

English Courses

ENG 601A - Advanced Composition Credits 3
Explores writing and literacy. Students will develop greater awareness of themselves as strategic writers by studying and creating texts for different audiences, purposes and contexts in a variety of styles and genres.

ENG 602A - Advanced Creative Writing II Credits 3
Advanced workshop designed to hone students' skills in writing fiction or poetry. Notes: This course is crosslisted with ENG 402A. Credit at the 600-level requires additional work.

ENG 605B - Research and Editing

Library research, as distinct from experimental or laboratory research, and report writing and editing for students in all disciplines. Notes: This course is crosslisted with ENG 405B. Credit at the 600-level requires additional work.

ENG 605C - Writing For Publication

Intensive study of the business of writing, designed to serve the needs of the freelance writer. Includes discussion of literary markets and popular literary genres. Notes: This course is crosslisted with ENG 405C. Credit at the 600-level requires additional work.

ENG 607B - Fundamentals of Technical Writing Credits 3
Examines the rhetorical principles and composing practices necessary for writing effective technical documents and the role of writing in technical and industrial settings.

ENG 608A - Tutorial Techniques in English

This undergraduate course, when taught by a member of the graduate faculty, may be used toward graduate degrees with the permission of advisor (maximum: six credits). A full description of this course may be found in the Undergraduate Catalog under the corresponding 400 number.

ENG 609A - Visual Rhetoric

Study of the persuasive and aesthetic effects that visual elements have on readers/users in print and online documents. Visual elements include typography, graphics, images, color, paper or screen textures, alignment, and multimedia. Notes: This course is crosslisted with ENG 409A. Credit at the 600-level requires additional work.

ENG 609B - Rhetoric and the Environment

Studies discourse about environmental topics using classical and contemporary rhetorical theory. The focus is on non-fiction prose and specialized genres including websites and technical documents. Students will learn a theoretical framework to analyze environmental discourse, and also gain practice in producing works of environmental rhetoric. Notes: This course is crosslisted with ENG 409B. Credit at the 600-level requires additional work.

ENG 611A - Advanced Linguistics Credits 3
Applies the principles of linguistics to the analysis of English poetry and prose. Notes: This course is crosslisted with ENG 411A. Credit at the 600-level requires additional work. May be repeated to a maximum of six credits.

ENG 611B - Principles of Modern Grammar Credits 3
Surveys the structure of contemporary English grammar. Examines the workings of the English language from a linguistic perspective, concentrating primarily on sentence structure. Notes: This course is crosslisted with ENG 411B. Credit at the 600-level requires additional work.

ENG 612C - Seminar in Language and Cognition Credits 3
This undergraduate course, when taught by a member of the graduate faculty, may be used toward graduate degrees with the permission of advisor (maximum: six credits). A full description of this course may be found in the Undergraduate Catalog under the corresponding 400 number.

ENG 614A - History of the English Language Credits 3
History and development of the English language from its beginnings. Notes: This course is crosslisted with ENG 414A. Credit at the 600-level requires additional work. May be repeated to a maximum of six credits.

ENG 614B - Development of American English Credits 3
Introduction to the history of the English language in America and to the regional and social varieties of English which have resulted from this development. Includes survey of distinctively American vocabulary, pronunciation, spelling, and syntax. Formerly ENG 614 Notes: This course is crosslisted with ENG 414B. Credit at the 600-level requires additional work.

ENG 614C - Old English II Credits 3

Continuation of the study of Old English through the reading of more complex literary texts such as Beowulf, the poems of the Exeter Book, the writings of Aelfric, etc. Notes: This course is crosslisted with ENG 415C. Credit at the 600-level requires additional work.

ENG 615B - Old English I Credits 3

Study of the language and literature of England in the Anglo-Saxon period. After a review of the grammar, students will read basic prose and poetry in Old English. English majors may substitute this course for one semester of foreign language. Formerly ENG 614B Notes: This course is crosslisted with ENG 415B. Credit at 600-level requires additional work.

ENG 616A - Special Problems in English

This undergraduate course, when taught by a member of the graduate faculty, may be used toward graduate degrees with the permission of advisor (maximum: six credits). A full description of this course may be found in the Undergraduate Catalog under the corresponding 400 number.

ENG 616C - Special Problems in English Credits 1-6

Workshops in language and literature. May be repeated. Notes: This course is crosslisted with ENG 416C. Credit at the 600-level requires additional work.

ENG 622A - Topics in Literary Theory Credits 3

Selected topics and issues in literary and cultural theory. Notes: This course is crosslisted with ENG 422A. Credit at the 600-level requires additional work. May be repeated to a maximum of six credits.

ENG 625A - Themes of Literature Credits 3

Study of themes, ideas, or literary attitudes significant in literary history. Notes: This course is crosslisted with ENG 425A. Credit at the 600-level requires additional work. May be repeated to a maximum of nine credits.

ENG 626A - Religion and Literature Credits 3

Insights and relationships of religious themes, beliefs, and assumptions as they may bear upon the analysis of literary texts. Notes: This course is crosslisted with ENG 426A. Credit at the 600-level requires additional work. May be repeated to a maximum of six credits. Prerequisites: Graduate standing

ENG 626B - Mythology Credits 3

Study of mythologies, such as Greek, Roman, and Native American, in cultural context. Notes: This course is crosslisted with ENG 426B. Credit at the 600-level requires additional work.

ENG 627B - Gender and Literature Credits 3

Study of gender and literature through the ages. Focus may be aesthetic, historical, or thematic. Topics may vary. Same as WMST 427B Notes: This course is crosslisted with ENG 427B. Credit at the 600-level requires additional work. May be repeated to a maximum of six credits.

ENG 629A - Early American Humor Credits 3

Investigation of the writings of American humorists from the eighteenth century through Mark Twain. Examines works by anonymous writers as well as humorists of New England, the Old Southwest, and the Far West. Notes: This course is crosslisted with ENG 429A. Credit at the 600-level requires additional work.

ENG 629B - Modern American Humor Credits 3

Investigation of the writings of American humorists from the mid-nineteenth century to the present, including the works of Mark Twain, James Thurber, Dorothy Parker, Woody Allen, and Tom Robbins. Notes: This course is crosslisted with ENG 429B. Credit at the 600-level requires additional work.

ENG 629C - Literature of the American West Credits 3

Study of literature of the American West. Notes: This course is crosslisted with ENG 429C. Credit at the 600-level requires additional work.

ENG 630A - Major Figures in British Literature Credits 3

Seminar on one or more major figures in English literature. Notes: This course is crosslisted with ENG 340A. Credit at the 600-level requires additional work.

ENG 632A - Chaucer Credits 3

Study of the works of Geoffrey Chaucer, with emphasis on the Canterbury Tales. Notes: This course is crosslisted with ENG 432A. Credit at the 600-level requires additional work.

ENG 634A - Shakespeare: Tragedies Credits 3

Intensive study of Shakespeare's major tragedies. Notes: This course is crosslisted with ENG 434A. Credit at the 600-level requires additional work.

ENG 634B - Shakespeare: Comedies and Histories Credits 3

Intensive study of Shakespeare's major comedies and histories. Notes: This course is crosslisted with ENG 434B. Credit at the 600-level requires additional work.

ENG 635A - Milton Credits 3

Intensive study of Milton's poetry and selected prose. Notes: This course is crosslisted with ENG 435A. Credit at the 600-level requires additional work.

ENG 636A - Major Figures in American Literature Credits 3

Seminar on one or more major figures in American literature. Notes: This course is crosslisted with ENG 436A. Credit at the 600-level requires additional work.

ENG 640A - Medieval English Literature Credits 3

Study of the literature written in England from the sixth through the fifteenth century. Topics may include dream visions, romance, heroic poetry, saints' lives, etc. Notes: This course is crosslisted with ENG 440A. Credit at the 600-level requires additional work.

ENG 640B - Gender and Early Literature Credits 3

Study of gender, sexuality, and literature from the beginning to the Early Modern period. Topics may vary. Notes: This course is crosslisted with ENG 440B. Credit at the 600-level requires additional work. May be repeated to a maximum of six credits.

ENG 641A - The Renaissance Credits 3

Study of English literature of the sixteenth century, primarily Elizabethan.

ENG 641B - Gender and Renaissance Literature Credits 3

Study of gender and literature in the Renaissance. Notes: This course is crosslisted with ENG 441B. Credit at the 600-level requires additional work.

ENG 642A - The Seventeenth Century Credits 3

Study of English literature from 1603 to 1660.

ENG 643A - Restoration and Augustan Literature Credits 3

Study of British literature from 1660 to 1740. Topics may include the genres of neoclassical drama and mock-epic, satire from Dryden through the Scriblerians, the periodical essay, and the birth of aesthetics.

ENG 643C - Later Eighteenth Century Credits 3

Study of eighteenth-century British literature after 1740. Topics may include the growth in female authorship, the Johnson circle, and cultural contexts such as feminism and nationalism. Notes: This course is crosslisted with ENG 443C. Credit at the 600-level requires additional work.

ENG 644B - The Romantic Poets Credits 3

Major poets in the Romantic Movement. Notes: This course is crosslisted with ENG 444B. Credit at the 600-level requires additional work. May be repeated to a maximum of six credits.

ENG 645B - Victorian Poetry Credits 3

Poetry of the middle and later nineteenth century. Notes: This course is crosslisted with ENG 445B. Credit at the 600-level requires additional work.

ENG 645C - Nineteenth-Century Prose Writers Credits 3

Major prose writers of the Romantic and Victorian periods and their intellectual and literary milieu. Notes: This course is crosslisted with ENG 445C. Credit at the 600-level requires additional work.

ENG 646A - Modern British Literature Credits 3

Study of British writing since 1900, including fiction, drama, and poetry. Notes: This course is crosslisted with ENG 446A. Credit at the 600-level requires additional work. May be repeated to a maximum of six credits.

ENG 646B - Gender and Modern British Literature Credits 3

Study of gender and literature in the British tradition. Topics may vary. Same as WMST 446B Notes: This course is crosslisted with ENG 446B. Credit at the 600-level requires additional work. May be repeated to a maximum of six credits.

ENG 652A - American Literature, 1620-1800 Credits 3

Study of American writing through 1800. Notes: This course is crosslisted with ENG 452A. Credit at the 600-level requires additional work.

ENG 652B - American Literature, 1800-1865 Credits 3

Study of American literature from 1800 to 1865. Notes: This course is crosslisted with ENG 452B. Credit at the 600-level requires additional work.

ENG 653A - American Literature, 1865-1918 Credits 3

Study of American literature from the Civil War through World War I. Notes: This course is crosslisted with ENG 453A. Credit at the 600-level requires additional work.

ENG 653B - American Literature, 1918-Present Credits 3

Study of American literature from 1918 to the present. Notes: This course is crosslisted with ENG 453B. Credit at the 600-level requires additional work.

ENG 654B - Gender and Modern American Literature Credits 3

Study of gender and literature in the American tradition. Topics may vary. Notes: This course is crosslisted with ENG 454B. Credit at the 600-level requires additional work. May be repeated to a maximum of six credits.

ENG 660 - The American Short Story Credits 3

Survey of the short story in America from the beginnings to modern times. Formerly ENG 674A Notes: This course is crosslisted with ENG 460. Credit at the 600-level requires additional work.

ENG 660A - Heroic Epic Credits 3

Comparative approach to the forms, themes, and manners of performance of the epic and closely related genres. Notes: This course is crosslisted with ENG 460A. Credit at the 600-level requires additional work.

ENG 661A - The Study of Poetry and Poetics Credits 3

Provides the student with the basic tools for the intelligent reading of poetry by extensive reading of poetry by English and American authors. Notes: This course is crosslisted with ENG 461A. Credit at the 600-level requires additional work. May be repeated to a maximum of six credits.

ENG 662A - Modern British Poetry Credits 3

Study of British poetry since 1900. Notes: This course is crosslisted with ENG 462A. Credit at the 600-level requires additional work.

ENG 662C - Modern American Poetry Credits 3

Study of American poetry since 1900. Notes: This course is crosslisted with ENG 462C. Credit at the 600-level requires additional work.

ENG 663A - Classical Drama in Translation Credits 3

Study of major Greek and Latin playwrights. Same as CLA 450 Notes: This course is crosslisted with ENG 463A. Credit at the 600-level requires additional work. May be repeated to a maximum of six credits.

ENG 664A - English Drama to 1642 Credits 3

Survey of medieval and Renaissance drama to the closing of the theaters. Notes: This course is crosslisted with ENG 464A. Credit at the 600-level requires additional work. May be repeated to a maximum of six credits.

ENG 665B - Restoration and Eighteenth-Century Drama Credits 3

Survey of English drama from 1660 to 1800. Notes: This course is crosslisted with ENG 465B. Credit at the 600-level requires additional work. May be repeated to a maximum of six credits.

ENG 666A - Nineteenth-Century Drama Credits 3

Study of world drama in the nineteenth century. Notes: This course is crosslisted with ENG 466A. Credit at the 600-level requires additional work.

ENG 667A - Modern British Drama Credits 3

Study of British drama from Shaw to the present. Notes: This course is crosslisted with ENG 467A. Credit at the 600-level requires additional work.

ENG 667B - Modern American Drama Credits 3

Study of American drama since 1900. Notes: This course is crosslisted with ENG 467B. Credit at the 600-level requires additional work. May be repeated to a maximum of six credits.

ENG 670A - The British Novel I Credits 3

Study of the British novel from its origins to about 1800. Topics may include the rise of the novel from the materials of romance and realism, the formative decade of the 1740s, and the sub genres of Gothic and historical fiction.

ENG 670B - The British Novel II Credits 3

Study of the British novel from about 1800 to 1914. Topics may include the role of serialization and circulating library and sub genres such as the bildungsroman, the social-problem novel, and imperial Gothic.

ENG 671A - Modern English Novel Credits 3

British fiction from Conrad to 1945. Notes: This course is crosslisted with ENG 471A. Credit at the 600-level requires additional work. May be repeated to a maximum of 6 credits.

ENG 671B - Contemporary English Novel Credits 3

British fiction since 1945. Notes: This course is crosslisted with ENG 471B. Credit at the 600-level requires additional work. May be repeated to a maximum of six credits.

ENG 673A - The Early American Novel Credits 3

Study of the development of the novel in America to the time of Twain. Notes: This course is crosslisted with ENG 473A. Credit at the 600-level requires additional work. May be repeated to a maximum of six credits.

ENG 673B - The Modern American Novel Credits 3

The American novel from Twain through 1945. Notes: This course is crosslisted with ENG 473B. Credit at the 600-level requires additional work. May be repeated to a maximum of six credits.

ENG 673C - The Contemporary American Novel The American novel since 1945. Notes: This course is crosslisted with ENG 473C. Credit at the 600-level requires additional work.

ENG 677A - Film and Literature Credits 3

Comparative study of the relations of prose, poetry, and drama to the structure and themes of the cinema, from Dickens to the present.

ENG 677C - Genres in Film Credits 3

Individual examinations of genre structures and themes, with emphasis on the development and the history of genres. Notes: This course is crosslisted with ENG 477C. Credit at the 600-level requires additional work.

ENG 678C - Special Topics in Folklore Credits 3

This undergraduate course, when taught by a member of the graduate faculty, may be used toward graduate degrees with the permission of advisor (maximum: six credits). A full description of this course may be found in the Undergraduate Catalog under the corresponding 400 number.

ENG 684A - The Bible as Literature Credits 3

Study of selected books of the Old and New Testaments as literature in their broader cultural contexts. Notes: This course is crosslisted with ENG 484A. Credit at the 600-level requires additional work. May be repeated to a maximum of six credits.

ENG 685A - Asian Literature Credits 3

Study of modern and contemporary Asian literature, including comparison and contrast with Western literature and culture. Content varies by semester. Notes: This course is crosslisted with ENG 485A. Credit at the 600 level requires additional work.

ENG 686A - Postcolonial Theory Credits 3

Examines the significance of the Other in ex-colony. Reflects of colonialism, independence, subordination, hybridity, resistance, and ideology. Frantz Fanon, C.L.R. James, Edward Said, Homi Bhabha, Gayatri Spicak, Malcolm X, Stephen Greenblatt, among others, will be considered. Notes: This course is crosslisted with ENG 468A. Credit at the 600-level requires additional work. Prerequisites: Any of the following: ENG 101 and ENG 102.

ENG 686B - Postcolonial Literature Credits 3

Probes literature from the ex-colony: Africa, the Caribbean, Ireland, India, America, Canada, Australia. V.S. Naipaul, Derek Walcott, Wole Soyinka, Saman Rushdie, Jamaica Kincaid, Toni Morrison, Claude McKay, Maya Angelou, David Dabydeen, Chinua Achebe, among others, will be considered. Notes: This course is crosslisted with ENG 486B. Credit at the 600-level require additional work. Prerequisites: ENG 101 and ENG 102

ENG 691B - Environmental Literature Credits 3

Study of environmental literature, both fiction and non-fiction. Notes: This course is crosslisted with ENG 491B. Credit at the 600-level requires additional work. May be repeated to a maximum of six credits.

ENG 694A - Native American Literature

Literature of Native-American peoples, oral traditions through contemporary works. Notes: This course is crosslisted with ENG 494A. Credit at the 600-level requires additional work.

ENG 695A - Early African American Literature

Study of early African American literature, with emphasis upon the historical development of the African American tradition in creative and critical writing. Notes: This course is crosslisted with ENG 495A. Credit at the 600-level requires additional work.

ENG 695B - Modern African American Literature Credits 3

Study of recent and contemporary works of African American literature. Same as AS 492 Notes: This course is crosslisted with ENG 495B. Credit at the 600-level requires additional work. May be repeated to a maximum of six credits.

ENG 696B - Early Latino/a Literature Credits 3

Examines prose and poetry by Latino and Latina writers from the colonial era through the end of the nineteenth century in the United States. Notes: This course is crosslisted with ENG 496B. Credit at the 600-level requires additional work.

ENG 696C - Contemporary Latino/a Literature Credits 3

Examines prose and poetry by Latino and Latina writers since 1900 in the United States. Notes: This course is crosslisted with ENG 496C. Credit at the 600-level requires additional work.

ENG 700 - Bibliography and Methods Credits 3

Bibliography, reference tools, introduction to scholarly methods, modern research techniques in language and literature, preparation and presentation of documented investigation. Notes: To be taken in the student's first year of graduate study.

ENG 701 - Contemporary Composition Theory Credits 3

Theories that underline contemporary composition as a discipline and a profession, including the practical implications of literacy as it relates to college writing instruction, administration, and practice. Prerequisites: Graduate standing.

ENG 702 - History of Rhetoric and Composition Credits 3

Survey of ancient, medieval, Renaissance, enlightenment, and twentieth-century texts that establish terminologies and raise issues still vital to the theory and practice of composition and language study today. Prerequisites: Graduate standing.

ENG 703 - Survey of Literary Criticism and Theory Credits 3

Surveys criticism and theory from Plato to contemporary trends. Provides historical perspective on the toolbox of theoretical approaches to literature vital in literary studies today. Emphasis may vary from year to year. Notes: Required for Ph.D. Students. Prerequisites: Graduate standing

ENG 704 - Theory and Practice of Textual Editing Credits 3

Examination of theories of scholarly editing. Topics include: variant and critical editions, textual recension, rationale for copy text, emendation, annotation, and copy editing. Students work on editions in progress, as well as journals sponsored by the department.

ENG 705 - Creative Writing Workshop Credits 3

Creative Writing Workshop in the chosen genre of concentration: fiction, literary nonfiction or poetry. Notes: May be repeated to a maximum of twelve credits. Prerequisites: Admission to the M.F.A. program or consent of instructor.

ENG 706 - Gender and Interpretation Credits 3

Study of gender as a category of analysis within the discipline of English studies.

ENG 711 - Studies in Language Credits 3

Introduction to advanced study of language based on sequence of problems involving such procedures as the history of language, etymology, structural linguistics, and linguistic geography. Notes: May be repeated to a maximum of six credits. Prerequisites: Consent of instructor.

ENG 712 - Studies in Modern Grammar Credits 3

Examination of important current approaches to grammatical descriptions, especially of English. Notes: May be repeated to a maximum of six credits.

ENG 714 - Studies in Rhetoric and Composition Credits 3

Intensive study of selected topics in composition and rhetorical theory. Topics and reading lists will vary from semester to semester. Notes: May be repeated to a maximum of six credits.

ENG 715 - Theory of Translation Credits 3

Readings in the theory of translation, as well as textual analysis of existing translations to and from several different languages. Notes: Taught in English. Prerequisites: Advanced knowledge of one foreign language, consent of instructor.

ENG 716 - Workshop in Translation Credits 3

Explores problems inherent in the translation of foreign texts; completion of individual and group projects, with assistance of instructor. Notes: May be repeated to a maximum of six credits. Prerequisites: Advanced knowledge of one foreign language, consent of instructor.

ENG 719 - Area Linguistics Credits 3

Historical overview of area linguistics, with emphasis on principles of dialectology in the English speaking world and the principles of linguistic atlases in the United States and Canada.

ENG 720 - Studies in Medieval Literature Credits 3

Intense study of selected topics in medieval literature. Notes: May be repeated to a maximum of six credits.

ENG 722 - Studies in Chaucer Credits 3

Study of major works of Geoffrey Chaucer in relation to their medieval literary and cultural context. Prerequisites: Graduate standing or consent of instructor.

ENG 723 - Studies in the Renaissance Credits 3

Intensive study of selected topics in sixteenth-century literature. Notes: May be repeated to a maximum of six credits.

ENG 724 - Studies in Early Seventeenth-Century Literature Credits 3

Intensive study of selected literary topics in early seventeenth-century literature. Notes: May be repeated to a maximum of six credits.

ENG 725 - Studies in Shakespeare Credits 3

Intensive study of selected works of Shakespeare, with emphasis on genre, theme, or chronological grouping. Notes: May be repeated to a maximum of nine credits.

ENG 728 - Studies in Milton Credits 3

Study of the major works of John Milton in relation to their Renaissance literary and cultural context. Prerequisites: Graduate standing or consent of instructor.

ENG 729 - Forms of Fiction, Literary Nonfiction, or Poetry Credits 3

The study of genre from the writer's perspective. Notes: May be repeated to a maximum of nine credits.

ENG 731 - Studies in Restoration and Eighteenth-Century British Literature Credits 3

Intensive study of selected literary topics in Restoration and eighteenth-century British literature. Notes: May be repeated to a maximum of six credits.

ENG 734 - Studies in English Romanticism Credits 3

Intensive study of selected literary topics in the English romantic period.

ENG 735 - Studies in Victorian Literature Credits 3

Intensive examination of selected topics in Victorian literature. Notes: May be repeated to a maximum of six credits.

ENG 738 - Studies in Modern British Literature Credits 3

Modern literature studies with emphasis upon movements which center in Great Britain. Notes: May be repeated to a maximum of six credits.

ENG 739 - M.F.A. Translation Credits 3

Students translate a short story, group of poems, or other work by a foreign writer. Notes: Open only to students in the M.F.A. Program who have passed the qualifying oral examination. FOL 717 may substitute for ENG 739. Prerequisites: Successful completion of the oral qualifying exam.

ENG 742 - Studies in Early American Literature Credits 3

Intensive study of selected subjects in colonial or romantic American literature, such as the work of a few important literary figures, a group of related writers, or a literary movement. Notes: May be repeated to a maximum of six credits.

ENG 743 - Studies in Later American Literature Credits 3

Intensive study of selected topics in late nineteenth- and early twentieth-century literature. Notes: May be repeated to a maximum of six credits.

ENG 744 - Studies in Modern American Literature Credits 3

Intensive study of selected topics in contemporary literature. Notes: May be repeated to a maximum of six credits.

ENG 749 - M.F.A. Critical Essay Credits 3

M.F.A. students' individual investigation of an American or foreign novelist or poet using various critical methodologies. Prerequisites: Acceptance to the M.F.A. Program.

ENG 760 - Studies in Literary Genres Credits 3

Intensive study of a literary genre, with particular attention to its history and development. Notes: May be repeated to a maximum of nine credits.

ENG 775 - Studies in Literary Criticism Credits 3

Intensive study of selected major critical theories or a selected problem in the philosophy of criticism. Notes: May be repeated to a maximum of six credits.

ENG 787 - Studies in Modern Comparative Literature Credits 3

Modern literature studies with the emphasis upon international movements. Notes: May be repeated to a maximum of six credits.

ENG 790 - M.F.A. Thesis Credits 3 – 12

Open only to students in the M.F.A. program who have passed the qualifying oral examination. Students write a book-length manuscript of fiction or poetry. Notes: May be repeated but only a maximum of 12 credits may be applied to the student's degree program. Grading S/F grading only. Prerequisites: Successful completion of the oral qualifying exam.

ENG 791 - College Teaching in Language and Literature Credits 3

Theory and practice in the teaching of English in college, particularly the first-year course. Notes: Required of all graduate assistants.

ENG 792 - Directed Studies in Language Credits 3

Individual investigation of a language problem in Old, Middle, or Modern English including contributions of other languages using the various methodologies of descriptive linguistics. Notes: May be repeated to a maximum of nine credits. Prerequisites: Consent of instructor.

ENG 794 - Independent Study - International Focus**Credits 3 – 6**

Studies foreign cultures and languages in a non-English speaking setting. M.F.A. requirement which may be taken in lieu of registration in a foreign university. Notes: May be repeated to a maximum of six credits. Prerequisites: Acceptance to the M.F.A. Program.

ENG 795 - Seminar**Credits 3**

Topics vary from semester to semester. Notes: May be repeated to a maximum of nine credits.

ENG 796 - Independent Study**Credits 1 – 3**

Open to students only upon approval of a written prospectus of the work to be done. Notes: Normally limited to three credits on the M.A. program of study.

ENG 797 - Thesis**Credits 3 – 6**

Research, analysis, and writing towards completion of thesis and subsequent defense. Notes: May be repeated but only six credits will be applied toward the student's program. Prerequisites: S/F grading only.

ENG 798 - Doctoral Research**Credits 1 – 3**

Independent study for graduate students in the Ph.D. program upon approval by the dissertation advisor of a written prospectus of the work to be done. Notes: Normally limited to six credits on the doctoral program of study. Prerequisites: Admission to Ph.D. program and consent of graduate director.

ENG 799 - Dissertation**Credits 3 – 9**

Open only to Ph.D. students who have passed the qualifying examination. Notes: May be repeated but only a maximum of 18 credits maybe applied towards degree. Prerequisites: Consent of graduate director.

History

The graduate programs in History are designed to achieve a balance between scholarship and teaching. Advanced study in the areas of North America, Europe, Latin America, Asia, and in public history has prepared many of our graduates for teaching positions in area schools and community colleges. Our course offerings, which train students in research, writing, editing, and critical analysis, have qualified many of our graduates for admission to doctoral programs, law schools, and jobs in historic preservation, the National Park Service, historical societies, museums, and international business firms.

Andrew Kirk, Ph.D., Chair

William Bauer, Ph.D., Graduate Coordinator

History Faculty

Chair

Kirk, Andrew Glenn - Full Graduate Faculty

Professor; B.A., M.A., University of Colorado-Denver; Ph.D., University of New Mexico. Rebel since 1999.

Graduate Coordinator

Bauer, William - Full Graduate Faculty

Professor; B.A., University of Notre Dame; M.A., Ph.D., University of Oklahoma. Rebel since 2009.

Graduate Faculty

Alarid, Michael - Full Graduate Faculty

Assistant Professor; B.A., University of Oregon; M.A., University of Dallas; Ph.D., Ohio State University. Rebel since 2014.

Bauer, William - Full Graduate Faculty

Professor; B.A., University of Notre Dame; M.A., Ph.D., University of Oklahoma. Rebel since 2009.

Brown, Gregory - Full Graduate Faculty

Professor; B.A., University of Pennsylvania; M.A., Ph.D., Columbia University. Rebel since 1998.

Casas, Maria Raquel - Full Graduate Faculty

Associate Professor; B.A., California State University at Fresno; M.A., Ph.D., Yale University. Rebel since 1997.

Clemente, Deirdre - Full Graduate Faculty

Associate Professor; B.A., Johns Hopkins University; M.A. Fashion Institute of Technology, State University of New York; Ph.D., Carnegie Mellon University. Rebel since 2011.

Coughtry, Jay A. - Full Graduate Faculty

Associate Professor; B.A., State University of New York, Geneseo; M.A., Ph.D., University of Wisconsin. Rebel since 1982.

Curry, John - Full Graduate Faculty

Associate Professor; B.A. Northwestern University; M.A., Ph.D., Ohio State University. Rebel since 2006.

Dean, Austin - Full Graduate Faculty

Assistant Professor; B.A., Grinnell College; Ph.D., Ohio State University. Rebel since 2016.

Dimas, Carlos - Full Graduate Faculty

Assistant Professor; B.A., Woodbury University; Ph.D., University of California, Riverside. Rebel since 2018.

Gallo, Marcia M. - Full Graduate Faculty

Associate Professor; B.A. Holy Names University; Ph.D., City University of New York Graduate School. Rebel since 2009.

Green, Michael - Full Graduate Faculty
Associate Professor; B.A., M.A., University of Nevada, Las Vegas; Ph.D., Columbia University. Rebel since 2014.

Goodwin, Joanne - Full Graduate Faculty
Professor; B.F.A., University of Washington;
M.A., Sarah Lawrence College; Ph.D.,
University of Michigan. Rebel since 1991.

Johnson, Susan Lee - Full Graduate Faculty
Harry Reid Chair in the History of the Intermountain West
and Professor; B.A., Carthage College; M.A., Arizona State
University; Ph.D., Yale University. Rebel since 2019.

Kirk, Andrew Glenn - Full Graduate Faculty
Professor; B.A., M.A., University of Colorado-Denver;
Ph.D., University of New Mexico. Rebel since 1999.

Litaker, Noria - Full Graduate Faculty
Assistant Professor; B.A. Ithaca College; M.A.,
University College London; Ph.D., University
of Pennsylvania. Rebel since 2017.

McMahon, Cian - Full Graduate Faculty.
Assistant Professor; B.A., University of Manitoba;
M.A., University of Dublin; Ph.D., Carnegie
Mellon University. Rebel since 2014.

Melton-Villanueva, Miriam - Full Graduate Faculty
Assistant Professor; B.A., M.A., C. Phil., Ph.D., University
of California, Los Angeles. Rebel since 2012.

Nelson, Elizabeth White - Full Graduate Faculty
Associate Professor; A.B., Bryn Mawr College;
M.A., Ph.D., Yale University. Rebel since 1996.

Robinson, Todd - Full Graduate Faculty
Associate Professor; B.A., American University; M.M.,
Cambridge College; M.A., University of Massachusetts;
Ph.D., University of Michigan. Rebel since 2007.

Schauer, Jeff - Full Graduate Faculty
Assistant Professor; B.A., University of
California, Irvine; Ph.D., University of
California, Berkeley. Rebel since 2014.

Tanenhaus, David - Full Graduate Faculty
Professor; B.A., Grinnell College; M.A., Ph.D.,
University of Chicago. Rebel since 1997.

Tusan, Michelle - Full Graduate Faculty
Professor; B.A., University of California, Davis; M.A.,
Ph.D., University of California, Berkeley. Rebel since 2001.

Werth, Paul - Full Graduate Faculty
Professor; B.A., Knox College; Ph.D.,
University of Michigan. Rebel since 1997.

Whitney, Elspeth - Full Graduate Faculty
Professor; B.A., San Francisco State University; Ph.D.,
City University of New York. Rebel since 1990.

Wilkinson, A.B. - Full Graduate Faculty
Assistant Professor; B.A., Dartmouth College,
M.A., University of Chicago; Ph.D., University
of California, Berkeley. Rebel since 2014.

Winkelmann, Tessa - Full Graduate Faculty
Assistant Professor; B.A., University of California, Irvine;
M.A., San Francisco State University; Ph.D., University
of Illinois, Urbana-Champaign. Rebel since 2015.

Professors Emeriti

Burns, Paul E.
Emeritus Professor; B.A., Miami University (Ohio);
M.A., Certificate in Russian Studies, Ph.D., Indiana
University. UNLV Emeritus 1963-1995.

Davenport, Robert W.
Emeritus Associate Professor; B.A., Pomona
College; M.A., University of California, Berkeley;

M.S., Ph.D., University of California. Los
Angeles. UNLV Emeritus 1964-1998.

Fry, Joseph A.
Distinguished Professor; B.A., Davis and
Elkins College; M.A., Ph.D., University of
Virginia. UNLV Emeritus since 2014.

Hise, Greg - Full Graduate Faculty
Professor; B.A. University of California, Berkeley; Ph.D.,
University of California, Berkeley. Rebel since 2008.

Loader, Colin T.
Professor; A.B., Bates College; M.A., University
of Rhode Island; Ph.D., University of California,
Los Angeles. UNLV Emeritus since 2015.

Mattson, Vernon E.
Emeritus Associate Professor; B.A., Tennessee
Temple College; M.A., North Texas State University;
Ph.D., University of Kansas. UNLV Emeritus 1969.

Moehring, Eugene P.
Professor; B.A., M.A., Queens College; Ph.D., City
University of New York. UNLV Emeritus since 2016.

Wright, Thomas C.
Emeritus Distinguished Professor; B.A.,
Pomona College; M.A., Ph.D., University of
California, Berkeley. UNLV Emeritus 1972.

Plans

Master of Arts - History

Doctor of Philosophy – History

Master of Arts - History

Plan Description

The Department of History offers a Master of Arts degree with specializations in the following areas: United States, Europe, Asia, Latin America, and Public History (minor). The program is designed to broaden and deepen the student's understanding of the heritage of human experience. It also sharpens scholarly skills and provides for some specialization in specific fields or periods of history.

For more information about your program, including your graduate program handbook and learning outcomes, please visit the Degree Directory.

Learning outcomes for specific subplan tracks can be found below:

- Master of Arts - History; Non-Thesis
- Master of Arts - History; Thesis

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

Students must meet the following requirements for admission to graduate standing.

1. All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.
2. An overall undergraduate grade point average of at least 3.00.
3. A grade point average of at least 3.30 in history courses.
4. Recommendations from two former instructors addressing the applicant's preparedness for graduate work in history.
5. A minimum of 18 credits in history.
6. Submission of a writing sample, preferably a research paper, representative of undergraduate work.
7. Submission of a statement of purpose in which the applicant describes historical areas and approaches of particular interest, background and training for advanced work in history, and academic and professional goals.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

See Subplan Requirements below.

Subplan 1 Requirements: United States History Track

Total Credits Required: 35

Course Requirements

Required Courses – Credits: 1

- HIST 710 - The Professional Historian

Historiography Courses – Credits: 3

Complete one of the following courses:

- HIST 740A - Historiography (United States - Domestic)
- HIST 740E - Historiography (United States - Diplomatic)
- HIST 740F - Historiography (American West)
- HIST 740G - Historiography (United States - Cultural/Intellectual)

Colloquium Course – Credits: 3

Complete one of the following courses:

- HIST 724 - Colloquium in American Cultural/Intellectual History
- HIST 726 - Colloquium in American Western History
- HIST 730 - Colloquium in American History

Seminar Course – Credits: 4

Complete one of the following courses:

- HIST 725 - Seminar in American Cultural/Intellectual History
- HIST 727 - Research Seminar in American Western History
- HIST 731 - Research Seminar in American History
- HIST 742 - Seminar in Transnational History

Elective Courses – Credits: 6-12

Students completing a thesis must complete 6 credits of History elective coursework, or other advisor-approved courses. Students who choose not to complete a thesis must complete 12 credits of History elective coursework, or other advisor-approved courses.

Minor Field Courses – Credits: 12

In consultation with your advisor select a minor field of study and complete 3 credits of colloquium and 9 credits of electives to total 12 credits.

Asian History

Minor Colloquium Course

- HIST 734 - Colloquium in Modern Asian History

Minor Elective Courses

Complete 9 credits from the following list of courses:

- HIST 649A - History of Japan to 1800
- HIST 649B - History of Japan since 1800
- HIST 649C - Topics in Japanese History
- HIST 655A - History of China to 1800
- HIST 655B - History of China since 1800
- HIST 655C - Topics in Modern China
- HIST 689 - Comparative History
- HIST 698 - Advanced Historical Studies
- HIST 735 - Research Seminar in Modern Asian History
- HIST 740 - Historiography
- HIST 741 - Colloquium in Transnational History
- HIST 760 - Advanced Studies in History

European History

Minor Colloquium Course

Complete one of the following courses:

- HIST 728 - Colloquium in European Cultural/Intellectual History
- HIST 732 - Colloquium in European History

Minor Elective Courses

Complete 9 credits from the following list of courses:

- HIST 619A - Britain to 1750
- HIST 619B - Britain from 1750
- HIST 620 - Topics in Central Europe: 1914 - Present
- HIST 621 - History of Russia to 1825
- HIST 622 - History of Russia Since 1825
- HIST 623A - History of Germany to 1848
- HIST 623B - History of Germany Since 1848
- HIST 634A - European Urban History
- HIST 635A - Early Modern Intellectual History
- HIST 635B - Modern Intellectual History
- HIST 635C - Topics in European Cultural and Intellectual History
- HIST 645 - Cultural History of Modern Russia
- HIST 646 - History of the Russian Film
- HIST 647 - Revolutionary Russia 1905-1921
- HIST 656 - Topics in Ancient History
- HIST 657 - Ancient Greek Civilization
- HIST 658 - Roman Civilization
- HIST 659 - Medieval Civilization
- HIST 659A - Topics in Medieval History
- HIST 660A - The Renaissance
- HIST 660B - The Reformation
- HIST 661 - Europe in the 18th Century
- HIST 661B - Early Modern Europe: 1550-1789
- HIST 662 - The French Revolution and Napoleon
- HIST 663 - Europe: 1815-1914
- HIST 664 - Europe: 1914 to the Present
- HIST 666 - European Diplomatic History, 1815-Present
- HIST 668 - History of Science
- HIST 679 - History of the British Empire
- HIST 679A - West Africa and the Making of the Atlantic World
- HIST 682 - Music History I
- HIST 683 - Music History II
- HIST 689 - Comparative History
- HIST 691A - Women in the Ancient World
- HIST 691B - Women in Medieval Culture and Society
- HIST 692A - Women In Early Modern Europe
- HIST 692B - Woman's Role in European History: 1750-1970
- HIST 695 - Special Topics in Gender and History

- HIST 696 - Philosophy of History
- HIST 729 - Research Seminar in European Cultural/Intellectual History
- HIST 732 - Colloquium in European History
- HIST 733 - Research Seminar in European History
- HIST 760 - Advanced Studies in History
- HIST 741 - Colloquium in Transnational History
- HIST 740 - Historiography
- HIST 737 - Research Seminar in Modern Latin American History

Latin American History

Minor Colloquium Course

- HIST 736 - Colloquium in Modern Latin American History

Minor Elective Courses

Complete 9 credits from the following list of courses:

- HIST 670 - History of Mexico
- HIST 671 - Revolution and Reaction in Contemporary Latin America
- HIST 672 - History of Brazil
- HIST 673 - History of the Andean Region
- HIST 674 - Latin American Ethnic Studies
- HIST 675 - Modern Latin American Film
- HIST 676 - The Mexican Revolution
- HIST 679A - West Africa and the Making of the Atlantic World
- HIST 689 - Comparative History
- HIST 695 - Special Topics in Gender and History
- HIST 737 - Research Seminar in Modern Latin American History
- HIST 740 - Historiography
- HIST 741 - Colloquium in Transnational History
- HIST 760 - Advanced Studies in History

Public History

Minor Colloquium Course

- HIST 749 - Colloquium in Public History
- Required Elective Course
- HIST 750 - Methods for the Study of Public History
- HIST 795 - Internship in Public History

Minor Elective Course

Complete one of the following courses:

- HIST 751 - Museums and American Culture

- HIST 752 - Modern Archives: Theory and Methodology
- HIST 754 - Topics in Public History
- HIST 760 - Advanced Studies in History

World History

Minor Colloquium Course

- HIST 738 - Colloquium in African and Middle Eastern History
- HIST 741 - Colloquium in Transnational History

Minor Elective Courses

Complete 9 credits from the following list of courses:

- HIST 619A - Britain to 1750
- HIST 619B - Britain from 1750
- HIST 620 - Topics in Central Europe: 1914 - Present
- HIST 621 - History of Russia to 1825
- HIST 622 - History of Russia Since 1825
- HIST 623A - History of Germany to 1848
- HIST 623B - History of Germany Since 1848
- HIST 634A - European Urban History
- HIST 635A - Early Modern Intellectual History
- HIST 635B - Modern Intellectual History
- HIST 635C - Topics in European Cultural and Intellectual History
- HIST 645 - Cultural History of Modern Russia
- HIST 646 - History of the Russian Film
- HIST 647 - Revolutionary Russia 1905-1921
- HIST 649A - History of Japan to 1800
- HIST 649B - History of Japan since 1800
- HIST 649C - Topics in Japanese History
- HIST 655A - History of China to 1800
- HIST 655B - History of China since 1800
- HIST 655C - Topics in Modern China
- HIST 656 - Topics in Ancient History
- HIST 657 - Ancient Greek Civilization
- HIST 658 - Roman Civilization
- HIST 659 - Medieval Civilization
- HIST 659A - Topics in Medieval History
- HIST 660A - The Renaissance
- HIST 660B - The Reformation
- HIST 661 - Europe in the 18th Century
- HIST 661B - Early Modern Europe: 1550-1789
- HIST 662 - The French Revolution and Napoleon

- HIST 663 - Europe: 1815-1914
- HIST 664 - Europe: 1914 to the Present
- HIST 666 - European Diplomatic History, 1815-Present
- HIST 668 - History of Science
- HIST 670 - History of Mexico
- HIST 671 - Revolution and Reaction in Contemporary Latin America
- HIST 672 - History of Brazil
- HIST 673 - History of the Andean Region
- HIST 674 - Latin American Ethnic Studies
- HIST 675 - Modern Latin American Film
- HIST 676 - The Mexican Revolution
- HIST 678A - Islamic and Middle Eastern History to 1750
- HIST 678B - Islamic and Middle Eastern History since 1750
- HIST 679 - History of the British Empire
- HIST 679A - West Africa and the Making of the Atlantic World
- HIST 682 - Music History I
- HIST 683 - Music History II
- HIST 689 - Comparative History
- HIST 691A - Women in the Ancient World
- HIST 691B - Women in Medieval Culture and Society
- HIST 692A - Women In Early Modern Europe
- HIST 692B - Woman's Role in European History: 1750-1970
- HIST 695 - Special Topics in Gender and History
- HIST 696 - Philosophy of History
- HIST 728 - Colloquium in European Cultural/Intellectual History
- HIST 729 - Research Seminar in European Cultural/Intellectual History
- HIST 734 - Colloquium in Modern Asian History
- HIST 735 - Research Seminar in Modern Asian History
- HIST 736 - Colloquium in Modern Latin American History
- HIST 737 - Research Seminar in Modern Latin American History
- HIST 739 - Research Seminar in African and Middle Eastern History
- HIST 740 - Historiography
- HIST 748 - History and Policy

- HIST 760 - Advanced Studies in History

Thesis – Credits: 6 (Optional)

- HIST 790 - Thesis

Degree Requirements

- Students must complete a minimum of 35 credit hours of approved course work with a minimum GPA of 3.00.
- A minimum of 16 credit hours of course work must be at the 700-level (excluding Thesis).
- In addition to the major area of study, the student must complete twelve credits in a minor area.
- The student's advisor and graduate committee must approve all course work plans. A field outside of history may be presented as part of a student's program. The student is required to have a reading knowledge of a foreign language if that language is necessary to do research in the selected field.
- In consultation with his/her advisor, a student will organize an advisory committee of at least three departmental members. In addition, a fourth member from outside the department, known as the Graduate College Representative, must be appointed. An additional committee member may be added at the student and department's discretion. Please see Graduate College policy for committee appointment guidelines.
- Students must successfully complete a written examination in their major area of study. This may be taken at the completion of twenty-two credits of course work, and must be taken no later than the completion of twenty-nine credits. Students prepare reading lists of books for each of their two fields within the major area in conjunction with the members of their advisory committee. The lists are based on scholarly works read in coursework, but substantial additional reading is required. Coursework alone does not constitute preparation for comprehensive exams.
- No grade below a B- will be accepted for graduate credit, but will be averaged into the student's grade point average. A minimum GPA of 3.00 must be achieved in all graduate work attempted toward the degree.

Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
2. If a thesis is completed, the student must submit and successfully defend his/her thesis by the posted deadline. The defense must be advertised and is open to the public.
3. If a thesis is completed, the student must electronically submit a properly formatted pdf copy

of their thesis to the Graduate College for format check. Once the thesis format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for thesis defenses, format check submissions, and the final ProQuest submission can be found here.

Subplan 2 Requirements: European History Track

Total Credits Required: 35

Course Requirements

Required Courses – Credits: 1

- HIST 710 - The Professional Historian

Historiography Courses – Credits: 3

Complete one of the following courses:

- HIST 740B – Historiography (Europe) HIST 740C – Historiography (Modern Asia)
- HIST 740D – Historiography (Modern Latin America)
- HIST 740G - Historiography (United States - Cultural/Intellectual)
- HIST 740H – Historiography (European - Cultural/Intellectual)

Colloquium Courses – Credits: 3

Complete one of the following courses:

- HIST 728 - Colloquium in European Cultural/Intellectual History
- HIST 732 - Colloquium in European History
- HIST 736 - Colloquium in Modern Latin American History
- HIST 738 - Colloquium in African and Middle Eastern History
- HIST 741 - Colloquium in Transnational History

Seminar Course – Credits: 4

Complete one of the following courses:

- HIST 729 - Research Seminar in European Cultural/Intellectual History
- HIST 733 - Research Seminar in European History
- HIST 737 - Research Seminar in Modern Latin American History
- HIST 739 - Research Seminar in African and Middle Eastern History
- HIST 742 - Seminar in Transnational History

Elective Courses – Credits: 6-12

Students completing a thesis must complete 6 credits of History elective coursework, or other advisor-approved courses. Students who choose not to complete a thesis must complete 12 credits of History elective coursework, or other advisor-approved courses.

Minor Field Courses – Credits: 12

In consultation with your advisor select a minor field of study and complete 3 credits of colloquium and 9 credits of electives to total 12 credits.

Asian History

Minor Colloquium Course

- HIST 734 - Colloquium in Modern Asian History

Minor Elective Courses

Complete 9 credits from the following list of courses:

- HIST 649A - History of Japan to 1800
- HIST 649B - History of Japan since 1800
- HIST 649C - Topics in Japanese History
- HIST 655A - History of China to 1800
- HIST 655B - History of China since 1800
- HIST 655C - Topics in Modern China
- HIST 689 - Comparative History
- HIST 698 - Advanced Historical Studies
- HIST 735 - Research Seminar in Modern Asian History
- HIST 740 - Historiography
- HIST 741 - Colloquium in Transnational History
- HIST 760 - Advanced Studies in History

Latin American History

Minor Colloquium Course

- HIST 736 - Colloquium in Modern Latin American History

Minor Elective Courses

Complete 9 credits from the following list of courses:

- HIST 670 - History of Mexico
- HIST 671 - Revolution and Reaction in Contemporary Latin America
- HIST 672 - History of Brazil
- HIST 673 - History of the Andean Region
- HIST 674 - Latin American Ethnic Studies
- HIST 675 - Modern Latin American Film
- HIST 676 - The Mexican Revolution
- HIST 679A - West Africa and the Making of the Atlantic World
- HIST 689 - Comparative History
- HIST 695 - Special Topics in Gender and History
- HIST 737 - Research Seminar in Modern Latin American History

- HIST 740 - Historiography
- HIST 741 - Colloquium in Transnational History
- HIST 760 - Advanced Studies in History

Public History

Minor Colloquium Course

- HIST 749 - Colloquium in Public History

Required Elective Course

- HIST 750 - Methods for the Study of Public History
- HIST 795 - Internship in Public History

Minor Elective Course

Complete one of the following courses:

- HIST 751 - Museums and American Culture
- HIST 752 - Modern Archives: Theory and Methodology
- HIST 754 - Topics in Public History
- HIST 760 - Advanced Studies in History

U.S. History

Minor Colloquium Course

Complete one of the following courses:

- HIST 724 - Colloquium in American Cultural/Intellectual History
- HIST 726 - Colloquium in American Western History
- HIST 730 - Colloquium in American History

Minor Elective Courses

Complete 9 credits from the following list of courses:

Minor Elective Courses

Complete 9 credits from the following list of courses:

- HIST 601A - American Constitutional and Legal History I
- HIST 601B - American Constitutional and Legal History II
- HIST 604A - American Social History to 1860
- HIST 604B - American Social History, 1860-Present
- HIST 605 - History of the New South
- HIST 606A - The American West to 1849
- HIST 606B - The American West Since 1849
- HIST 607A - United States Foreign Relations I
- HIST 607B - United States Foreign Relations II
- HIST 610A - American Cultural and Intellectual History I
- HIST 610B - American Cultural and Intellectual History II
- HIST 611 - United States: Colonial Period

- HIST 612 - United States: Revolution and the New Republic
- HIST 614A - United States: National Period, 1815-1860
- HIST 614B - United States: Civil War and Reconstruction, 1860-1877
- HIST 615A - United States: Gilded Age, 1877-1900
- HIST 615B - United States: The Progressive Era, 1900-1920
- HIST 616A - Recent America: Era of Franklin D. Roosevelt, 1920-1945
- HIST 616B - Contemporary America: The U.S. Since 1945
- HIST 617A - Nevada and the Far West
- HIST 624 - Role of Religion in American Culture
- HIST 625 - History of Southern Nevada
- HIST 626 - The American West Through Film
- HIST 628 - History of Business in United States History
- HIST 629 - History of American Labor, 1607-Present
- HIST 632A - History of American Women to 1870
- HIST 632B - History of American Women, 1870 to Present
- HIST 633 - African-American History
- HIST 633B - African-American History to 1877
- HIST 633C - African-American History since 1877
- HIST 634 - Role of Cities in American History
- HIST 636 - Nazi Holocaust from the American Perspective
- HIST 637 - Family History
- HIST 638A - American Indian History to 1851
- HIST 638B - Ethnohistory of Native Americans Since 1851
- HIST 638C - Topics in American Indian History
- HIST 640 - Regions in American Indian History
- HIST 641 - American Environmental History
- HIST 643 - Comparative Environmental History
- HIST 643A - Historic Preservation
- HIST 644 - Latinos in the American West
- HIST 648 - Asian American History
- HIST 652A - Popular Culture in Nineteenth-Century America
- HIST 652B - Popular Culture in Twentieth-Century America
- HIST 653 - Women in Politics

- HIST 668 - History of Science
- HIST 682 - Music History I
- HIST 683 - Music History II
- HIST 683A - Urban Destruction and Reconstruction
- HIST 685 - Oral History
- HIST 686 - Military History of the United States
- HIST 687 - Topics in American Studies
- HIST 689 - Comparative History
- HIST 695 - Special Topics in Gender and History
- HIST 724 - Colloquium in American Cultural/Intellectual History
- HIST 725 - Seminar in American Cultural/Intellectual History
- HIST 726 - Colloquium in American Western History
- HIST 730 - Colloquium in American History
- HIST 731 - Research Seminar in American History
- HIST 740 - Historiography
- HIST 741 - Colloquium in Transnational History
- HIST 748 - History and Policy
- HIST 760 - Advanced Studies in History

World History

Minor Colloquium Course

- HIST 738 - Colloquium in African and Middle Eastern History
- HIST 741 - Colloquium in Transnational History

Minor Elective Courses

Complete 9 credits from the following list of courses:

- HIST 619A - Britain to 1750
- HIST 619B - Britain from 1750
- HIST 620 - Topics in Central Europe: 1914 - Present
- HIST 621 - History of Russia to 1825
- HIST 622 - History of Russia Since 1825
- HIST 623A - History of Germany to 1848
- HIST 623B - History of Germany Since 1848
- HIST 634A - European Urban History
- HIST 635A - Early Modern Intellectual History
- HIST 635B - Modern Intellectual History
- HIST 635C - Topics in European Cultural and Intellectual History
- HIST 645 - Cultural History of Modern Russia
- HIST 646 - History of the Russian Film

- HIST 647 - Revolutionary Russia 1905-1921
- HIST 649A - History of Japan to 1800
- HIST 649B - History of Japan since 1800
- HIST 649C - Topics in Japanese History
- HIST 655A - History of China to 1800
- HIST 655B - History of China since 1800
- HIST 655C - Topics in Modern China
- HIST 656 - Topics in Ancient History
- HIST 657 - Ancient Greek Civilization
- HIST 658 - Roman Civilization
- HIST 659 - Medieval Civilization
- HIST 659A - Topics in Medieval History
- HIST 660A - The Renaissance
- HIST 660B - The Reformation
- HIST 661 - Europe in the 18th Century
- HIST 661B - Early Modern Europe: 1550-1789
- HIST 662 - The French Revolution and Napoleon
- HIST 663 - Europe: 1815-1914
- HIST 664 - Europe: 1914 to the Present
- HIST 666 - European Diplomatic History, 1815-Present
- HIST 668 - History of Science
- HIST 670 - History of Mexico
- HIST 671 - Revolution and Reaction in Contemporary Latin America
- HIST 672 - History of Brazil
- HIST 673 - History of the Andean Region
- HIST 674 - Latin American Ethnic Studies
- HIST 675 - Modern Latin American Film
- HIST 676 - The Mexican Revolution
- HIST 678A - Islamic and Middle Eastern History to 1750
- HIST 678B - Islamic and Middle Eastern History since 1750
- HIST 679 - History of the British Empire
- HIST 679A - West Africa and the Making of the Atlantic World
- HIST 682 - Music History I
- HIST 683 - Music History II
- HIST 689 - Comparative History
- HIST 691A - Women in the Ancient World
- HIST 691B - Women in Medieval Culture and Society

- HIST 692B - Woman's Role in European History: 1750-1970
- HIST 692A - Women In Early Modern Europe
- HIST 695 - Special Topics in Gender and History
- HIST 696 - Philosophy of History
- HIST 728 - Colloquium in European Cultural/Intellectual History
- HIST 729 - Research Seminar in European Cultural/Intellectual History
- HIST 734 - Colloquium in Modern Asian History
- HIST 735 - Research Seminar in Modern Asian History
- HIST 736 - Colloquium in Modern Latin American History
- HIST 737 - Research Seminar in Modern Latin American History
- HIST 739 - Research Seminar in African and Middle Eastern History
- HIST 740 - Historiography
- HIST 741 - Colloquium in Transnational History
- HIST 748 - History and Policy
- HIST 760 - Advanced Studies in History

Thesis – Credits: 6 (Optional)

- HIST 790 - Thesis

Degree Requirements

1. Students must complete a minimum of 35 credit hours of approved course work with a minimum GPA of 3.00.
2. A minimum of 16 credit hours of course work must be at the 700-level (excluding Thesis).
3. In addition to the major area of study, the student must complete twelve credits in a minor area.
4. The student's advisor and graduate committee must approve all course work plans. A field outside of history may be presented as part of a student's program. The student is required to have a reading knowledge of a foreign language if that language is necessary to do research in the selected field.
5. In consultation with his/her advisor, a student will organize an advisory committee of at least three departmental members. In addition, a fourth member from outside the department, known as the Graduate College Representative, must be appointed. An additional committee member may be added at the student and department's discretion. Please see Graduate College policy for committee appointment guidelines.
6. Students must successfully complete a written

examination in their major area of study. This may be taken at the completion of twenty-two credits of course work, and must be taken no later than the completion of twenty-nine credits. Students prepare reading lists of books for each of their two fields within the major area in conjunction with the members of their advisory committee. The lists are based on scholarly works read in coursework, but substantial additional reading is required. Coursework alone does not constitute preparation for comprehensive exams.

7. No grade below a B- will be accepted for graduate credit, but will be averaged into the student's grade point average. A minimum GPA of 3.00 must be achieved in all graduate work attempted toward the degree.

Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
2. If a thesis is completed, the student must submit and successfully defend his/her thesis by the posted deadline. The defense must be advertised and is open to the public.
3. If a thesis is completed, the student must electronically submit a properly formatted pdf copy of their thesis to the Graduate College for format check. Once the thesis format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for thesis defenses, format check submissions, and the final ProQuest submission can be found here.

Subplan 3 Requirements: Asian History Track

Total Credits Required: 35

Course Requirements

Required Courses – Credits: 1

- HIST 710 - The Professional Historian

Historiography Courses – Credits: 3

Complete one of the following courses:

- HIST 740C – Historiography (Modern Asia)
- HIST 740E - Historiography (United States - Diplomatic)

Colloquium Courses – Credits: 3

Complete one of the following courses:

- HIST 734 - Colloquium in Modern Asian History

Seminar Course – Credits: 4

Complete one of the following courses:

- HIST 735 - Research Seminar in Modern Asian History

- HIST 742 - Seminar in Transnational History

Elective Courses – Credits: 6-12

Students completing a thesis must complete 6 credits of History elective coursework, or other advisor-approved courses. Students who choose not to complete a thesis must complete 12 credits of History elective coursework, or other advisor-approved courses.

Minor Field Courses – Credits: 12

In consultation with your advisor select a minor field of study and complete 3 credits of colloquium and 9 credits of electives to total 12 credits.

European History

Minor Colloquium Course

Complete one of the following courses:

- HIST 728 - Colloquium in European Cultural/Intellectual History
- HIST 732 - Colloquium in European History

European History

- HIST 619A - Britain to 1750
- HIST 619B - Britain from 1750
- HIST 620 - Topics in Central Europe: 1914 - Present
- HIST 621 - History of Russia to 1825
- HIST 622 - History of Russia Since 1825
- HIST 623A - History of Germany to 1848
- HIST 623B - History of Germany Since 1848
- HIST 634A - European Urban History
- HIST 635A - Early Modern Intellectual History
- HIST 635B - Modern Intellectual History
- HIST 635C - Topics in European Cultural and Intellectual History
- HIST 645 - Cultural History of Modern Russia
- HIST 646 - History of the Russian Film
- HIST 647 - Revolutionary Russia 1905-1921
- HIST 656 - Topics in Ancient History
- HIST 657 - Ancient Greek Civilization
- HIST 658 - Roman Civilization
- HIST 659 - Medieval Civilization
- HIST 659A - Topics in Medieval History
- HIST 660A - The Renaissance
- HIST 660B - The Reformation
- HIST 661 - Europe in the 18th Century
- HIST 661B - Early Modern Europe: 1550-1789
- HIST 662 - The French Revolution and Napoleon

- HIST 663 - Europe: 1815-1914
- HIST 664 - Europe: 1914 to the Present
- HIST 666 - European Diplomatic History, 1815-Present
- HIST 668 - History of Science
- HIST 679 - History of the British Empire
- HIST 679A - West Africa and the Making of the Atlantic World
- HIST 682 - Music History I
- HIST 683 - Music History II
- HIST 689 - Comparative History
- HIST 691A - Women in the Ancient World
- HIST 691B - Women in Medieval Culture and Society
- HIST 692B - Woman's Role in European History: 1750-1970
- HIST 692A - Women In Early Modern Europe
- HIST 695 - Special Topics in Gender and History
- HIST 696 - Philosophy of History
- HIST 729 - Research Seminar in European Cultural/Intellectual History
- HIST 732 - Colloquium in European History
- HIST 733 - Research Seminar in European History
- HIST 737 - Research Seminar in Modern Latin American History
- HIST 740 - Historiography
- HIST 741 - Colloquium in Transnational History
- HIST 760 - Advanced Studies in History
- Latin American History
- Minor Colloquium Course
- HIST 736 - Colloquium in Modern Latin American History
- Minor Elective Courses
- Complete 9 credits from the following list of courses:
- HIST 670 - History of Mexico
- HIST 671 - Revolution and Reaction in Contemporary Latin America
- HIST 672 - History of Brazil
- HIST 673 - History of the Andean Region
- HIST 674 - Latin American Ethnic Studies
- HIST 675 - Modern Latin American Film
- HIST 676 - The Mexican Revolution
- HIST 679A - West Africa and the Making of the Atlantic World

- HIST 689 - Comparative History
- HIST 695 - Special Topics in Gender and History
- HIST 737 - Research Seminar in Modern Latin American History
- HIST 740 - Historiography
- HIST 741 - Colloquium in Transnational History
- HIST 760 - Advanced Studies in History

Public History

Minor Colloquium Course

- HIST 749 - Colloquium in Public History

Required Elective Courses

- HIST 750 - Methods for the Study of Public History
- HIST 795 - Internship in Public History

Minor Elective Course

Complete one of the following courses:

- HIST 751 - Museums and American Culture
- HIST 752 - Modern Archives: Theory and Methodology
- HIST 754 - Topics in Public History
- HIST 760 - Advanced Studies in History

U.S. History

Minor Colloquium Course

Complete one of the following courses:

- HIST 724 - Colloquium in American Cultural/Intellectual History
- HIST 726 - Colloquium in American Western History
- HIST 730 - Colloquium in American History

Minor Elective Courses

Complete 9 credits from the following list of courses:

- HIST 601A - American Constitutional and Legal History I
- HIST 601B - American Constitutional and Legal History II
- HIST 604A - American Social History to 1860
- HIST 604B - American Social History, 1860-Present
- HIST 605 - History of the New South
- HIST 606A - The American West to 1849
- HIST 606B - The American West Since 1849
- HIST 607A - United States Foreign Relations I
- HIST 607B - United States Foreign Relations II
- HIST 610A - American Cultural and Intellectual History I
- HIST 610B - American Cultural and Intellectual

History II

- HIST 611 - United States: Colonial Period
- HIST 612 - United States: Revolution and the New Republic
- HIST 614A - United States: National Period, 1815-1860
- HIST 614B - United States: Civil War and Reconstruction, 1860-1877
- HIST 615A - United States: Gilded Age, 1877-1900
- HIST 615B - United States: The Progressive Era, 1900-1920
- HIST 616A - Recent America: Era of Franklin D. Roosevelt, 1920-1945
- HIST 616B - Contemporary America: The U.S. Since 1945
- HIST 617A - Nevada and the Far West
- HIST 624 - Role of Religion in American Culture
- HIST 625 - History of Southern Nevada
- HIST 626 - The American West Through Film
- HIST 628 - History of Business in United States History
- HIST 629 - History of American Labor, 1607-Present
- HIST 632A - History of American Women to 1870
- HIST 632B - History of American Women, 1870 to Present
- HIST 633 - African-American History
- HIST 633B - African-American History to 1877
- HIST 633C - African-American History since 1877
- HIST 634 - Role of Cities in American History
- HIST 636 - Nazi Holocaust from the American Perspective
- HIST 637 - Family History
- HIST 638A - American Indian History to 1851
- HIST 638B - Ethnohistory of Native Americans Since 1851
- HIST 638C - Topics in American Indian History
- HIST 640 - Regions in American Indian History
- HIST 641 - American Environmental History
- HIST 643 - Comparative Environmental History
- HIST 643A - Historic Preservation
- HIST 644 - Latinos in the American West
- HIST 648 - Asian American History
- HIST 652A - Popular Culture in Nineteenth-Century America

- HIST 652B - Popular Culture in Twentieth-Century America
- HIST 653 - Women in Politics
- HIST 668 - History of Science
- HIST 682 - Music History I
- HIST 683 - Music History II
- HIST 683A - Urban Destruction and Reconstruction
- HIST 685 - Oral History
- HIST 686 - Military History of the United States
- HIST 687 - Topics in American Studies
- HIST 689 - Comparative History
- HIST 695 - Special Topics in Gender and History
- HIST 725 - Seminar in American Cultural/Intellectual History
- HIST 726 - Colloquium in American Western History
- HIST 731 - Research Seminar in American History
- HIST 740 - Historiography
- HIST 741 - Colloquium in Transnational History
- HIST 748 - History and Policy
- HIST 760 - Advanced Studies in History

World History

Minor Colloquium Course

- HIST 738 - Colloquium in African and Middle Eastern History
- HIST 741 - Colloquium in Transnational History

Minor Elective Courses

Complete 9 credits from the following list of courses:

- HIST 619A - Britain to 1750
- HIST 619B - Britain from 1750
- HIST 620 - Topics in Central Europe: 1914 - Present
- HIST 621 - History of Russia to 1825
- HIST 622 - History of Russia Since 1825
- HIST 623A - History of Germany to 1848
- HIST 623B - History of Germany Since 1848
- HIST 634A - European Urban History
- HIST 635A - Early Modern Intellectual History
- HIST 635B - Modern Intellectual History
- HIST 635C - Topics in European Cultural and Intellectual History
- HIST 645 - Cultural History of Modern Russia
- HIST 646 - History of the Russian Film

- HIST 647 - Revolutionary Russia 1905-1921
- HIST 649A - History of Japan to 1800
- HIST 649B - History of Japan since 1800
- HIST 649C - Topics in Japanese History
- HIST 655A - History of China to 1800
- HIST 655B - History of China since 1800
- HIST 655C - Topics in Modern China
- HIST 656 - Topics in Ancient History
- HIST 657 - Ancient Greek Civilization
- HIST 658 - Roman Civilization
- HIST 659 - Medieval Civilization
- HIST 659A - Topics in Medieval History
- HIST 660A - The Renaissance
- HIST 660B - The Reformation
- HIST 661 - Europe in the 18th Century
- HIST 661B - Early Modern Europe: 1550-1789
- HIST 662 - The French Revolution and Napoleon
- HIST 663 - Europe: 1815-1914
- HIST 664 - Europe: 1914 to the Present
- HIST 666 - European Diplomatic History, 1815-Present
- HIST 668 - History of Science
- HIST 670 - History of Mexico
- HIST 671 - Revolution and Reaction in Contemporary Latin America
- HIST 672 - History of Brazil
- HIST 673 - History of the Andean Region
- HIST 674 - Latin American Ethnic Studies
- HIST 675 - Modern Latin American Film
- HIST 676 - The Mexican Revolution
- HIST 678A - Islamic and Middle Eastern History to 1750
- HIST 678B - Islamic and Middle Eastern History since 1750
- HIST 679 - History of the British Empire
- HIST 679A - West Africa and the Making of the Atlantic World
- HIST 682 - Music History I
- HIST 683 - Music History II
- HIST 689 - Comparative History
- HIST 691A - Women in the Ancient World
- HIST 691B - Women in Medieval Culture and Society

- HIST 692A - Women In Early Modern Europe
- HIST 692B - Woman's Role in European History: 1750-1970
- HIST 695 - Special Topics in Gender and History
- HIST 696 - Philosophy of History
- HIST 728 - Colloquium in European Cultural/Intellectual History
- HIST 729 - Research Seminar in European Cultural/Intellectual History
- HIST 734 - Colloquium in Modern Asian History
- HIST 735 - Research Seminar in Modern Asian History
- HIST 736 - Colloquium in Modern Latin American History
- HIST 737 - Research Seminar in Modern Latin American History
- HIST 739 - Research Seminar in African and Middle Eastern History
- HIST 740 - Historiography
- HIST 741 - Colloquium in Transnational History
- HIST 748 - History and Policy
- HIST 760 - Advanced Studies in History

Thesis – Credits: 6 (Optional)

- HIST 790 - Thesis

Degree Requirements

1. Students must complete a minimum of 35 credit hours of approved course work with a minimum GPA of 3.00.
2. A minimum of 16 credit hours of course work must be at the 700-level (excluding Thesis).
3. In addition to the major area of study, the student must complete twelve credits in a minor area.
4. The student's advisor and graduate committee must approve all course work plans. A field outside of history may be presented as part of a student's program. The student is required to have a reading knowledge of a foreign language if that language is necessary to do research in the selected field.
5. In consultation with his/her advisor, a student will organize an advisory committee of at least three departmental members. In addition, a fourth member from outside the department, known as the Graduate College Representative, must be appointed. An additional committee member may be added at the student and department's discretion. Please see Graduate College policy for committee appointment guidelines.
6. Students must successfully complete a written

examination in their major area of study. This may be taken at the completion of twenty-two credits of course work, and must be taken no later than the completion of twenty-nine credits. Students prepare reading lists of books for each of their two fields within the major area in conjunction with the members of their advisory committee. The lists are based on scholarly works read in coursework, but substantial additional reading is required. Coursework alone does not constitute preparation for comprehensive exams.

7. No grade below a B- will be accepted for graduate credit, but will be averaged into the student's grade point average. A minimum GPA of 3.00 must be achieved in all graduate work attempted toward the degree.

Graduation Requirements

The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.

If a thesis is completed, the student must submit and successfully defend his/her thesis by the posted deadline. The defense must be advertised and is open to the public.

If a thesis is completed, the student must electronically submit a properly formatted pdf copy of their thesis to the Graduate College for format check. Once the thesis format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for thesis defenses, format check submissions, and the final ProQuest submission can be found here.

Subplan 4 Requirements: Teaching History Track

Total Credits Required: 35

Course Requirements

Historical Content Required Courses – Credits: 4

- HIST 710 - The Professional Historian
- HIST 740 - Historiography

Historical Content Colloquium Course – Credits: 3

Complete one of the following courses:

- HIST 724 - Colloquium in American Cultural/Intellectual History
- HIST 726 - Colloquium in American Western History
- HIST 728 - Colloquium in European Cultural/Intellectual History
- HIST 730 - Colloquium in American History
- HIST 732 - Colloquium in European History
- HIST 734 - Colloquium in Modern Asian History
- HIST 736 - Colloquium in Modern Latin American History

- HIST 738 - Colloquium in African and Middle Eastern History

- HIST 741 - Colloquium in Transnational History

Historical Content Elective Courses – Credits: 6

Complete 6 credits of History electives.

Curriculum Materials Colloquium Course – Credits: 3

Complete one of the following courses:

- HIST 724 - Colloquium in American Cultural/Intellectual History
- HIST 726 - Colloquium in American Western History
- HIST 728 - Colloquium in European Cultural/Intellectual History
- HIST 730 - Colloquium in American History
- HIST 732 - Colloquium in European History
- HIST 734 - Colloquium in Modern Asian History
- HIST 736 - Colloquium in Modern Latin American History
- HIST 738 - Colloquium in African and Middle Eastern History
- HIST 741 - Colloquium in Transnational History
- HIST 749 - Colloquium in Public History

Curriculum Materials Elective Courses – Credits: 7

Complete seven credits of advisor-approved Public History courses (at least one of which must be at the 700-level).

Educational Methods Foundations Course – Credits: 3

Complete one of the following courses:

- CME 705 - Multicultural Education
- CIS 617 - Topics Secondary Education
- CIL 610 - Content Area Literacy

Educational Methods Development Course – Credits: 3

Complete one of the following courses:

- CIS 640 - Topics Secondary Social Studies Education
- CIS 644 - Instruction Secondary Social Studies Education
- CIS 649 - Curriculum Development Secondary Social Studies Education
- CIG 692 - Curriculum Evaluation in Education

Educational Methods Technology Course – Credits: 3

Complete one of the following courses:

- CIT 602 - Technology Applications Secondary Curriculum
- CIT 607 - Technology and Computational Thinking

- CIT 608 - Integrating Technology in Teaching and Learning
- CIT 609 - Internet for Learning

Capstone Course – Credits: 3

- HIST 790A - Materials for Teaching History

Degree Requirements

1. This program is designed for certified teachers. It is not a certification program.
2. Students must complete a minimum of 35 credit hours of approved course work with a minimum GPA of 3.00.
3. A minimum of 16 credit hours of course work must be at the 700-level.
4. Coursework is divided into three required fields:
 - a. Historical Content
 - b. Curriculum Materials
 - c. Educational Content
5. The student's advisor and graduate committee must approve all course work plans. A field outside of history may be presented as part of a student's program. The student is required to have a reading knowledge of a foreign language if that language is necessary to do research in the selected field.
6. Matriculants with extensive background in one of the sub-fields may, with the permission of their advisor in the College of Education, take an additional course from one of the two other sub-fields in place of a course in the field of existing expertise. Matriculants with an extensive background in two of the sub-fields may, with permission of the student's advisor in Education, take 3 credits related to their program of study in another field outside of Education.
7. Students must successfully complete a written examination in Teacher's Track: Historical Content. This may be taken at the completion of twenty-five credits, and must be taken no later than the completion of twenty-nine credits. The examination consists of two parts; each part contains two essay questions. Students write on one essay in each part of the exam (total of two essays, two hours for each; four hours total). Questions are written by the student's committee member/s in the Historical Content field, and each part of the exam is based on a list of books prepared in conjunction with the members of the advisory committee.
8. Students must successfully complete a written examination in Historical Content. This may be taken at the completion of 25 credits, and must be taken no later than the completion of 35 credits. The examination consists of two parts; each part contains two essay questions. Students write on one essay in each part of the exam (total of two essays, two hours for each; four hours total). Questions are written by the student's committee member/s in the Historical

Content field, and each part of the exam is based on a list of books prepared in conjunction with the members of the advisory committee.

9. No grade below a B- will be accepted for graduate credit, but will be averaged into the student's grade point average. A minimum GPA of 3.00 must be achieved in all graduate work attempted toward the degree.

Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
2. Successfully complete a Written Final Examination.

Plan Graduation Requirements

Refer to your subplan for Graduation Requirements.

Doctor of Philosophy - History

Plan Description

The degree of Doctor of Philosophy is the ultimate expression of the History Department's mission to generate and disseminate new knowledge of the past through research, reflection and publication. The doctoral program in history at UNLV has two tracks: United States History and European History. The degree aims at providing graduates with the capacity for original research and thought as demonstrated by the completion of a doctoral dissertation of substantial scope combining imagination and excellence.

For more information about your program, including your graduate program handbook and learning outcomes, please visit the Degree Directory.

Learning outcomes for specific subplan tracks can be found below:

- Doctor of Philosophy - History; Concentration in European Culture and Society
- Doctor of Philosophy - History; Concentration in North American Culture and Society
- Doctor of Philosophy - History; Concentration in North American West

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

1. All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.

2. Applicants must have completed significant course work at the upper division or graduate level in History.
3. Competitive scores on verbal, quantitative and analytical measures of the Graduate Record Examination.
4. Recommendations from three former instructors addressing the applicant's preparedness for doctoral level work in United States History or European History.
5. A statement of purpose in which the applicant describes specific interests in and approaches to either United States History or European History. The statement should also include a description of the applicant's background and training for advanced work in this field as well as academic and professional goals.
6. A writing sample in the form of a master's thesis or original research paper of substantial length and quality. If possible, the writing sample should engage either United States History or European History.

Post-Bachelor's Tracks

1. B.A. or equivalent from an accredited institution with a minimum GPA of 3.75.
2. Students must have written an Honors Thesis in History or a closely related field, which must be uploaded as part of the application.

Post-Master's Tracks

1. M.A. or equivalent from an accredited institution with a minimum GPA of 3.50.
2. Students who have not completed HIST 710 and HIST 740 as part of their master's degree will be required to complete them as a condition of their admission. Note: These courses will not count toward the 35 credits required for the Doctor of Philosophy – History.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

See Subplan Requirements below.

Subplan 1 Requirements: Post-Bachelor's - North American West Track

Total Credits Required: 69

Course Requirements

Required Courses – Credits: 8

- HIST 710 - The Professional Historian
- HIST 726 - Colloquium in American Western History
- HIST 727 - Research Seminar in American Western History

Historiography Courses – Credits: 9

Complete three of the following courses:

- HIST 740A - Historiography (United States - Domestic)
- HIST 740E - Historiography (United States - Diplomatic)
- HIST 740F - Historiography (American West)
- HIST 740G - Historiography (United States - Cultural/Intellectual)

Colloquium Course – Credits: 3

Complete one of the following courses (excluding any courses taken as Non-U.S. Colloquium):

- HIST 724 - Colloquium in American Cultural/Intellectual History
- HIST 726 - Colloquium in American Western History
- HIST 730 - Colloquium in American History
- HIST 736 - Colloquium in Modern Latin American History
- HIST 741 - Colloquium in Transnational History

Seminar Course – Credits: 4

Complete one of the following courses:

- HIST 725 - Seminar in American Cultural/Intellectual History
- HIST 731 - Research Seminar in American History
- HIST 742 - Seminar in Transnational History

Minor Field Courses – Credits: 12

In consultation with your advisor select a minor field of study and complete 3 credits of colloquium and 9 credits of electives to total 12 credits.

Asian History

Minor Colloquium Course

- HIST 734 - Colloquium in Modern Asian History

Minor Elective Courses

Complete 9 credits from the following list of courses:

- HIST 649A - History of Japan to 1800
- HIST 649B - History of Japan since 1800
- HIST 649C - Topics in Japanese History
- HIST 655A - History of China to 1800
- HIST 655B - History of China since 1800
- HIST 655C - Topics in Modern China
- HIST 689 - Comparative History
- HIST 698 - Advanced Historical Studies
- HIST 735 - Research Seminar in Modern Asian History

- HIST 740 - Historiography
- HIST 761 - Doctoral Independent Study
- HIST 741 - Colloquium in Transnational History

European History

Minor Colloquium Course

Complete one of the following courses:

- HIST 728 - Colloquium in European Cultural/Intellectual History
- HIST 732 - Colloquium in European History

Minor Elective Courses

Complete 9 credits from the following list of courses:

- HIST 619A - Britain to 1750
- HIST 619B - Britain from 1750
- HIST 620 - Topics in Central Europe: 1914 - Present
- HIST 621 - History of Russia to 1825
- HIST 622 - History of Russia Since 1825
- HIST 623A - History of Germany to 1848
- HIST 623B - History of Germany Since 1848
- HIST 634A - European Urban History
- HIST 635A - Early Modern Intellectual History
- HIST 635B - Modern Intellectual History
- HIST 635C - Topics in European Cultural and Intellectual History
- HIST 645 - Cultural History of Modern Russia
- HIST 646 - History of the Russian Film
- HIST 647 - Revolutionary Russia 1905-1921
- HIST 656 - Topics in Ancient History
- HIST 657 - Ancient Greek Civilization
- HIST 658 - Roman Civilization
- HIST 659 - Medieval Civilization
- HIST 659A - Topics in Medieval History
- HIST 660A - The Renaissance
- HIST 660B - The Reformation
- HIST 661 - Europe in the 18th Century
- HIST 661B - Early Modern Europe: 1550-1789
- HIST 662 - The French Revolution and Napoleon
- HIST 663 - Europe: 1815-1914
- HIST 664 - Europe: 1914 to the Present
- HIST 666 - European Diplomatic History, 1815-Present
- HIST 668 - History of Science
- HIST 679 - History of the British Empire

- HIST 679A - West Africa and the Making of the Atlantic World
- HIST 682 - Music History I
- HIST 683 - Music History II
- HIST 689 - Comparative History
- HIST 691A - Women in the Ancient World
- HIST 691B - Women in Medieval Culture and Society
- HIST 692A - Women In Early Modern Europe
- HIST 692B - Woman's Role in European History: 1750-1970
- HIST 695 - Special Topics in Gender and History
- HIST 696 - Philosophy of History
- HIST 728 - Colloquium in European Cultural/Intellectual History
- HIST 729 - Research Seminar in European Cultural/Intellectual History
- HIST 732 - Colloquium in European History
- HIST 733 - Research Seminar in European History
- HIST 760 - Advanced Studies in History
- HIST 740 - Historiography
- HIST 741 - Colloquium in Transnational History
- HIST 761 - Doctoral Independent Study

Latin American History

Minor Colloquium Course

- HIST 736 - Colloquium in Modern Latin American History

Minor Elective Courses

Complete 9 credits from the following list of courses:

- HIST 670 - History of Mexico
- HIST 671 - Revolution and Reaction in Contemporary Latin America
- HIST 672 - History of Brazil
- HIST 673 - History of the Andean Region
- HIST 674 - Latin American Ethnic Studies
- HIST 675 - Modern Latin American Film
- HIST 676 - The Mexican Revolution
- HIST 679A - West Africa and the Making of the Atlantic World
- HIST 689 - Comparative History
- HIST 695 - Special Topics in Gender and History
- HIST 737 - Research Seminar in Modern Latin American History
- HIST 740 - Historiography

- HIST 741 - Colloquium in Transnational History
- HIST 761 - Doctoral Independent Study

Public History

Minor Colloquium Course

- HIST 749 - Colloquium in Public History

Required Elective Courses

- HIST 750 - Methods for the Study of Public History
- HIST 795 - Internship in Public History

Minor Elective Course

Complete one of the following courses:

- HIST 751 - Museums and American Culture
- HIST 752 - Modern Archives: Theory and Methodology
- HIST 754 - Topics in Public History
- HIST 761 - Doctoral Independent Study

World History

Minor Colloquium Course

- HIST 738 - Colloquium in African and Middle Eastern History
- HIST 741 - Colloquium in Transnational History

Minor Elective Courses

Complete 9 credits from the following list of courses:

- HIST 619A - Britain to 1750
- HIST 619B - Britain from 1750
- HIST 620 - Topics in Central Europe: 1914 - Present
- HIST 621 - History of Russia to 1825
- HIST 622 - History of Russia Since 1825
- HIST 623A - History of Germany to 1848
- HIST 623B - History of Germany Since 1848
- HIST 634A - European Urban History
- HIST 635A - Early Modern Intellectual History
- HIST 635B - Modern Intellectual History
- HIST 635C - Topics in European Cultural and Intellectual History
- HIST 645 - Cultural History of Modern Russia
- HIST 646 - History of the Russian Film
- HIST 647 - Revolutionary Russia 1905-1921
- HIST 649A - History of Japan to 1800
- HIST 649B - History of Japan since 1800
- HIST 649C - Topics in Japanese History
- HIST 655A - History of China to 1800
- HIST 655B - History of China since 1800

- HIST 655C - Topics in Modern China
- HIST 656 - Topics in Ancient History
- HIST 657 - Ancient Greek Civilization
- HIST 658 - Roman Civilization
- HIST 659 - Medieval Civilization
- HIST 659A - Topics in Medieval History
- HIST 660A - The Renaissance
- HIST 660B - The Reformation
- HIST 661 - Europe in the 18th Century
- HIST 661B - Early Modern Europe: 1550-1789
- HIST 662 - The French Revolution and Napoleon
- HIST 663 - Europe: 1815-1914
- HIST 664 - Europe: 1914 to the Present
- HIST 666 - European Diplomatic History, 1815-Present
- HIST 668 - History of Science
- HIST 670 - History of Mexico
- HIST 671 - Revolution and Reaction in Contemporary Latin America
- HIST 672 - History of Brazil
- HIST 673 - History of the Andean Region
- HIST 674 - Latin American Ethnic Studies
- HIST 675 - Modern Latin American Film
- HIST 676 - The Mexican Revolution
- HIST 678A - Islamic and Middle Eastern History to 1750
- HIST 678B - Islamic and Middle Eastern History since 1750
- HIST 679 - History of the British Empire
- HIST 679A - West Africa and the Making of the Atlantic World
- HIST 682 - Music History I
- HIST 683 - Music History II
- HIST 689 - Comparative History
- HIST 691A - Women in the Ancient World
- HIST 691B - Women in Medieval Culture and Society
- HIST 692A - Women In Early Modern Europe
- HIST 692B - Woman's Role in European History: 1750-1970
- HIST 695 - Special Topics in Gender and History
- HIST 696 - Philosophy of History
- HIST 728 - Colloquium in European Cultural/Intellectual History

- HIST 729 - Research Seminar in European Cultural/Intellectual History
- HIST 734 - Colloquium in Modern Asian History
- HIST 735 - Research Seminar in Modern Asian History
- HIST 736 - Colloquium in Modern Latin American History
- HIST 737 - Research Seminar in Modern Latin American History
- HIST 739 - Research Seminar in African and Middle Eastern History
- HIST 740 - Historiography
- HIST 741 - Colloquium in Transnational History
- HIST 748 - History and Policy
- HIST 761 - Doctoral Independent Study

Elective Courses – Credits: 3

Complete 3 credits of History elective coursework, or other advisor-approved courses.

After successfully completing the requirements above, students are eligible to earn the Master of Arts – History.

Additional Elective Courses – Credits: 18

Complete 18 credits of History elective coursework, or other advisor-approved courses.

Dissertation – Credits: 12

- HIST 791 - Dissertation

Degree Requirements

1. Students are expected to take courses with as many members of the faculty who specialize in the history of the North American West as possible. Students are encouraged to take more than the minimum number of courses.
2. A minimum of 45 credit hours of course work must be at the 700-level (excluding Dissertation).
3. Foreign Language Requirement. This requirement can be met in any of the following three ways, though the chosen option must be approved by the chair of the student's examination committee:
 - a.Demonstrated reading knowledge of two foreign languages.
 - b. Demonstrated reading knowledge of one foreign language and advanced reading knowledge of the same language, assessed through the writing of a substantial historiographical essay in English based on scholarly literature in that foreign language.
 - c.With the approval of the student's committee and the Graduate Coordinator, a student may demonstrate reading knowledge of one foreign language and the successful completion of SOC 604 - Statistical Methods in the Social Sciences.

4. The completion of the second seminar paper will constitute the master's culminating experience; it will be evaluated by a committee consisting of the instructor of record, the student's primary advisor and the graduate coordinator.
5. Please note that the MA degree will not be conferred automatically. Students must take the initiative to seek committee approval and apply for conferral through the Graduate College.
6. Doctoral students may also apply to transfer into the MA program at any point, but this will require a new application.
7. Students may take up to six credits of Comprehensive Exam Preparation, but these credits will not count towards the total credits required for the degree.
8. Written and Oral Qualifying Examinations. Students write a total of six out of twelve essay questions. Students prepare extensive reading lists of books and articles for each field of study in conjunction with the members of their advisory committee. The lists are based on scholarly works read in coursework, but substantial additional reading is required. Coursework alone does not constitute preparation for comprehensive exams. For purposes of examination, and through close consultation with the student's committee chair and members of the committee, coursework and supplemental reading will be divided into four examination areas, each of which is comprised of four questions from which the students write on two.
 - a. Major Field (General United States History): the written examination focuses on the first or second half of U.S. History (1600 to 1877, or 1850 to Present), but students are required to answer questions on the full sweep of U.S. History in the oral examination. A student writes on two of four questions.
 - b. Major Field (Topical): Requires students to master the literature in North American West. A student writes on two of four questions.
 - c. Theory and Methods: A student chooses Applied Theory, Comparative History, or Public History. A student writes on one of two questions.
 - d. Minor Field: A student chooses one of the following fields: Asian History, European History, Latin American History, Public History, or World History. A student may only be examined in Public History in one field. A student writes on one of two questions.
9. Students must pass the written portion of the qualifying exam before they are allowed to take the oral qualifying exam.
10. Students may take up to three credits of Dissertation Prospectus course, but these credits will not count towards the total credits required for the degree.
11. The prospectus colloquium must be held within three months of the successful completion of the comprehensive examinations. Students must formally present a prospectus for their proposed

dissertation research to their advisory committee before taking dissertation credits. The prospectus must be accepted for the student to have ABD status in the History Department.

12. A dissertation of substantial length and quality containing original research and interpretation on a topic in the field of Northern American West.

Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements for both the Master's (if applicable) and Doctoral portions of the program.
2. The student must submit and successfully defend his/her dissertation by the posted deadline. The defense must be advertised and is open to the public.
3. After the dissertation defense, the student must electronically submit a properly formatted pdf copy of their dissertation to the Graduate College for format check. Once the dissertation format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for dissertation defenses, format check submissions, and the final ProQuest submission can be found here.

Subplan 2 Requirements: Post-Bachelor's - North American Culture and Society Track

Total Credits Required: 69

Course Requirements

Required Courses – Credits: 8

- HIST 710 - The Professional Historian
- HIST 726 - Colloquium in American Western History
- HIST 725 - Seminar in American Cultural/Intellectual History

Historiography Courses – Credits: 9

Complete three of the following courses:

- HIST 740A - Historiography (United States - Domestic)
- HIST 740E - Historiography (United States - Diplomatic)
- HIST 740G - Historiography (United States - Cultural/Intellectual)
- HIST 740H - Historiography (European Cultural/Intellectual)

Colloquium Course – Credits: 3

Complete one of the following courses (excluding any courses taken as Non-European Colloquium):

- HIST 724 - Colloquium in American Cultural/Intellectual History
- HIST 726 - Colloquium in American Western History

- HIST 730 - Colloquium in American History
- HIST 736 - Colloquium in Modern Latin American History
- HIST 741 - Colloquium in Transnational History

Seminar Course – Credits: 4

Complete one of the following courses:

- HIST 727 - Research Seminar in American Western History
- HIST 731 - Research Seminar in American History
- HIST 742 - Seminar in Transnational History

Minor Field Courses – Credits: 12

In consultation with your advisor select a minor field of study and complete 3 credits of colloquium and 9 credits of electives to total 12 credits.

Asian History

Minor Colloquium Course

- HIST 734 - Colloquium in Modern Asian History

Minor Elective Courses

Complete 9 credits from the following list of courses:

- HIST 649A - History of Japan to 1800
- HIST 649B - History of Japan since 1800
- HIST 649C - Topics in Japanese History
- HIST 655A - History of China to 1800
- HIST 655B - History of China since 1800
- HIST 655C - Topics in Modern China
- HIST 689 - Comparative History
- HIST 698 - Advanced Historical Studies
- HIST 735 - Research Seminar in Modern Asian History
- HIST 740 - Historiography
- HIST 741 - Colloquium in Transnational History
- HIST 761 - Doctoral Independent Study

European History

Minor Colloquium Course

Complete one of the following courses:

- HIST 728 - Colloquium in European Cultural/Intellectual History
- HIST 732 - Colloquium in European History

Minor Elective Courses

Complete 9 credits from the following list of courses:

- HIST 619A - Britain to 1750

- HIST 619B - Britain from 1750
- HIST 620 - Topics in Central Europe: 1914 - Present
- HIST 621 - History of Russia to 1825
- HIST 622 - History of Russia Since 1825
- HIST 623A - History of Germany to 1848
- HIST 623B - History of Germany Since 1848
- HIST 634A - European Urban History
- HIST 635A - Early Modern Intellectual History
- HIST 635B - Modern Intellectual History
- HIST 635C - Topics in European Cultural and Intellectual History
- HIST 645 - Cultural History of Modern Russia
- HIST 646 - History of the Russian Film
- HIST 647 - Revolutionary Russia 1905-1921
- HIST 656 - Topics in Ancient History
- HIST 657 - Ancient Greek Civilization
- HIST 658 - Roman Civilization
- HIST 659 - Medieval Civilization
- HIST 659A - Topics in Medieval History
- HIST 660A - The Renaissance
- HIST 660B - The Reformation
- HIST 661 - Europe in the 18th Century
- HIST 661B - Early Modern Europe: 1550-1789
- HIST 662 - The French Revolution and Napoleon
- HIST 663 - Europe: 1815-1914
- HIST 664 - Europe: 1914 to the Present
- HIST 666 - European Diplomatic History, 1815-Present
- HIST 679 - History of the British Empire
- HIST 679A - West Africa and the Making of the Atlantic World
- HIST 682 - Music History I
- HIST 683 - Music History II
- HIST 689 - Comparative History
- HIST 691A - Women in the Ancient World
- HIST 691B - Women in Medieval Culture and Society
- HIST 692A - Women In Early Modern Europe
- HIST 692B - Woman's Role in European History: 1750-1970
- HIST 695 - Special Topics in Gender and History
- HIST 696 - Philosophy of History
- HIST 729 - Research Seminar in European Cultural/

Intellectual History

- HIST 732 - Colloquium in European History
- HIST 733 - Research Seminar in European History
- HIST 740 - Historiography
- HIST 741 - Colloquium in Transnational History
- HIST 760 - Advanced Studies in History
- HIST 761 - Doctoral Independent Study

Latin American History

Minor Colloquium Course

- HIST 736 - Colloquium in Modern Latin American History

Minor Elective Courses

Complete 9 credits from the following list of courses:

- HIST 670 - History of Mexico
- HIST 671 - Revolution and Reaction in Contemporary Latin America
- HIST 672 - History of Brazil
- HIST 673 - History of the Andean Region
- HIST 674 - Latin American Ethnic Studies
- HIST 675 - Modern Latin American Film
- HIST 676 - The Mexican Revolution
- HIST 679A - West Africa and the Making of the Atlantic World
- HIST 689 - Comparative History
- HIST 695 - Special Topics in Gender and History
- HIST 737 - Research Seminar in Modern Latin American History
- HIST 740 - Historiography
- HIST 741 - Colloquium in Transnational History
- HIST 761 - Doctoral Independent Study

Public History

Minor Colloquium Course

- HIST 749 - Colloquium in Public History

Required Elective Courses

- HIST 750 - Methods for the Study of Public History
- HIST 795 - Internship in Public History

Minor Elective Course

Complete one of the following courses:

- HIST 751 - Museums and American Culture
- HIST 752 - Modern Archives: Theory and Methodology
- HIST 754 - Topics in Public History

- HIST 761 - Doctoral Independent Study

World History

Minor Colloquium Course

- HIST 738 - Colloquium in African and Middle Eastern History

Minor Elective Courses

Complete 9 credits from the following list of courses:

- HIST 619A - Britain to 1750
- HIST 619B - Britain from 1750
- HIST 620 - Topics in Central Europe: 1914 - Present
- HIST 621 - History of Russia to 1825
- HIST 622 - History of Russia Since 1825
- HIST 623A - History of Germany to 1848
- HIST 623B - History of Germany Since 1848
- HIST 634A - European Urban History
- HIST 635A - Early Modern Intellectual History
- HIST 635B - Modern Intellectual History
- HIST 635C - Topics in European Cultural and Intellectual History
- HIST 645 - Cultural History of Modern Russia
- HIST 646 - History of the Russian Film
- HIST 647 - Revolutionary Russia 1905-1921
- HIST 649A - History of Japan to 1800
- HIST 649B - History of Japan since 1800
- HIST 649C - Topics in Japanese History
- HIST 655A - History of China to 1800
- HIST 655B - History of China since 1800
- HIST 655C - Topics in Modern China
- HIST 656 - Topics in Ancient History
- HIST 657 - Ancient Greek Civilization
- HIST 658 - Roman Civilization
- HIST 659 - Medieval Civilization
- HIST 659A - Topics in Medieval History
- HIST 660A - The Renaissance
- HIST 660B - The Reformation
- HIST 661 - Europe in the 18th Century
- HIST 661B - Early Modern Europe: 1550-1789
- HIST 662 - The French Revolution and Napoleon
- HIST 663 - Europe: 1815-1914
- HIST 664 - Europe: 1914 to the Present
- HIST 666 - European Diplomatic History, 1815-Present

- HIST 668 - History of Science
- HIST 670 - History of Mexico
- HIST 671 - Revolution and Reaction in Contemporary Latin America
- HIST 672 - History of Brazil
- HIST 673 - History of the Andean Region
- HIST 674 - Latin American Ethnic Studies
- HIST 675 - Modern Latin American Film
- HIST 676 - The Mexican Revolution
- HIST 678A - Islamic and Middle Eastern History to 1750
- HIST 678B - Islamic and Middle Eastern History since 1750
- HIST 679 - History of the British Empire
- HIST 682 - Music History I
- HIST 683 - Music History II
- HIST 689 - Comparative History
- HIST 691A - Women in the Ancient World
- HIST 691B - Women in Medieval Culture and Society
- HIST 692A - Women In Early Modern Europe
- HIST 692B - Woman's Role in European History: 1750-1970
- HIST 695 - Special Topics in Gender and History
- HIST 696 - Philosophy of History
- HIST 728 - Colloquium in European Cultural/Intellectual History
- HIST 729 - Research Seminar in European Cultural/Intellectual History
- HIST 734 - Colloquium in Modern Asian History
- HIST 735 - Research Seminar in Modern Asian History
- HIST 736 - Colloquium in Modern Latin American History
- HIST 737 - Research Seminar in Modern Latin American History
- HIST 739 - Research Seminar in African and Middle Eastern History
- HIST 740 - Historiography
- HIST 741 - Colloquium in Transnational History
- HIST 748 - History and Policy
- HIST 761 - Doctoral Independent Study

Elective Courses – Credits: 3

Complete 3 credits of History elective coursework, or other advisor-approved courses.

After successfully completing the requirements above, students are eligible to earn the Master of Arts – History.

Additional Elective Courses – Credits: 18

Complete 18 credits of History elective coursework, or other advisor-approved courses.

Dissertation – Credits: 12

- HIST 791 - Dissertation

Degree Requirements

1. Students are expected to take courses with as many members of the faculty who specialize in the history of North American Culture and Society as possible. Students are encouraged to take more than the minimum number of courses.
2. A minimum of 45 credit hours of course work must be at the 700-level (excluding Dissertation).
3. Foreign Language Requirement. This requirement can be met in any of the following three ways, though the chosen option must be approved by the chair of the student's examination committee:
 - a. Demonstrated reading knowledge of two foreign languages.
 - b. Demonstrated reading knowledge of one foreign language and advanced reading knowledge of the same language, assessed through the writing of a substantial historiographical essay in English based on scholarly literature in that foreign language.
 - c. With the approval of the student's committee and the Graduate Coordinator, a student may demonstrate reading knowledge of one foreign language and the successful completion of SOC 604 - Statistical Methods in the Social Sciences.
4. The completion of the second seminar paper will constitute the master's culminating experience; it will be evaluated by a committee consisting of the instructor of record, the student's primary advisor and the graduate coordinator.
5. Please note that the MA degree will not be conferred automatically. Students must take the initiative to seek committee approval and apply for conferral through the Graduate College.
6. Doctoral students may also apply to transfer into the MA program at any point, but this will require a new application.
7. Students may take up to six credits of Comprehensive Exam Preparation, but these credits will not count towards the total credits required for the degree.
8. Written and Oral Qualifying Examinations. Students write a total of six out of twelve essay questions. Students prepare extensive reading lists of books and articles for each field of study in conjunction with the members of their advisory committee. The lists are based on scholarly works read in coursework, but substantial additional reading is required.

Coursework alone does not constitute preparation for comprehensive exams. For purposes of examination, and through close consultation with the student's committee chair and members of the committee, coursework and supplemental reading will be divided into four examination areas, each of which is comprised of four questions from which the students write on two.

- a. Major Field (General United States History): the written examination focuses on the first or second half of U.S. History (1600 to 1877, or 1850 to Present), but students are required to answer questions on the full sweep of U.S. History in the oral examination. A student writes on two of four questions.
- b. Major Field (Topical): Requires students to master the literature in North American Culture and Society. A student writes on two of four questions.
- c. Theory and Methods: A student chooses Applied Theory, Comparative History, or Public History. A student writes on one of two questions.
- d. Minor Field: A student chooses one of the following fields: Asian History, European History, Latin American History, Public History, or World History. A student may only be examined in Public History in one field. A student writes on one of two questions.

9. Students must pass the written portion of the qualifying exam before they are allowed to take the oral qualifying exam.
10. Students may take up to three credits of Dissertation Prospectus course, but these credits will not count towards the total credits required for the degree.
11. The prospectus colloquium must be held within three months of the successful completion of the comprehensive examinations. Students must formally present a prospectus for their proposed dissertation research to their advisory committee before taking dissertation credits. The prospectus must be accepted for the student to have ABD status in the History Department.
12. A dissertation of substantial length and quality containing original research and interpretation on a topic in the field of North American Culture and Society.

Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements for both the Master's (if applicable) and Doctoral portions of the program.
2. The student must submit and successfully defend his/her dissertation by the posted deadline. The defense must be advertised and is open to the public.
3. After the dissertation defense, the student must electronically submit a properly formatted pdf copy of their dissertation to the Graduate College for format check. Once the dissertation format has been approved by the Graduate College, the student will

submit the approved electronic version to ProQuest. Deadlines for dissertation defenses, format check submissions, and the final ProQuest submission can be found here.

*Subplan 3 Requirements: Post-Bachelor's
- European Culture and Society Track*

Total Credits Required: 69

Course Requirements

Required Courses – Credits: 8

- HIST 710 - The Professional Historian
- HIST 728 - Colloquium in European Cultural/Intellectual History
- HIST 729 - Research Seminar in European Cultural/Intellectual History

Historiography Courses – Credits: 9

Complete three of the following courses:

- HIST 740B - Historiography (Europe)
- HIST 740C - Historiography (Modern Asia)
- HIST 740D - Historiography
- HIST 740G - Historiography (United States - Cultural/Intellectual)
- HIST 740H - Historiography (European Cultural/Intellectual)

Colloquium Course – Credits: 3

Complete one of the following courses (excluding any courses taken as Non-European Colloquium):

- HIST 728 - Colloquium in European Cultural/Intellectual History
- HIST 732 - Colloquium in European History
- HIST 734 - Colloquium in Modern Asian History
- HIST 736 - Colloquium in Modern Latin American History
- HIST 738 - Colloquium in African and Middle Eastern History
- HIST 741 - Colloquium in Transnational History

Seminar Course – Credits: 4

Complete one of the following courses:

- HIST 733 - Research Seminar in European History
- HIST 735 - Research Seminar in Modern Asian History
- HIST 737 - Research Seminar in Modern Latin American History
- HIST 739 - Research Seminar in African and Middle Eastern History
- HIST 742 - Seminar in Transnational History

Minor Field Courses – Credits: 12

In consultation with your advisor select a minor field of study and complete 3 credits of colloquium and 9 credits of electives to total 12 credits.

Asian History

Minor Colloquium Course

- HIST 734 - Colloquium in Modern Asian History

Minor Elective Courses

Complete 9 credits from the following list of courses:

- HIST 649A - History of Japan to 1800
- HIST 649B - History of Japan since 1800
- HIST 649C - Topics in Japanese History
- HIST 655A - History of China to 1800
- HIST 655B - History of China since 1800
- HIST 655C - Topics in Modern China
- HIST 689 - Comparative History
- HIST 698 - Advanced Historical Studies
- HIST 735 - Research Seminar in Modern Asian History
- HIST 740 - Historiography
- HIST 741 - Colloquium in Transnational History
- HIST 761 - Doctoral Independent Study

Latin American History

Minor Colloquium Course

- HIST 736 - Colloquium in Modern Latin American History

Minor Elective Courses

Complete 9 credits from the following list of courses:

- HIST 670 - History of Mexico
- HIST 671 - Revolution and Reaction in Contemporary Latin America
- HIST 672 - History of Brazil
- HIST 673 - History of the Andean Region
- HIST 674 - Latin American Ethnic Studies
- HIST 675 - Modern Latin American Film
- HIST 676 - The Mexican Revolution
- HIST 679A - West Africa and the Making of the Atlantic World
- HIST 689 - Comparative History
- HIST 695 - Special Topics in Gender and History
- HIST 737 - Research Seminar in Modern Latin American History

- HIST 741 - Colloquium in Transnational History
- HIST 740 - Historiography
- HIST 761 - Doctoral Independent Study

Public History

Minor Colloquium Course

- HIST 749 - Colloquium in Public History

Required Elective Courses

- HIST 750 - Methods for the Study of Public History
- HIST 795 - Internship in Public History

Minor Elective Course

Complete one of the following courses:

Minor Elective Course

Complete one of the following courses:

- HIST 751 - Museums and American Culture
- HIST 752 - Modern Archives: Theory and Methodology
- HIST 754 - Topics in Public History
- HIST 761 - Doctoral Independent Study

U.S. History

Minor Colloquium Course

Complete one of the following courses:

- HIST 724 - Colloquium in American Cultural/Intellectual History
- HIST 726 - Colloquium in American Western History
- HIST 730 - Colloquium in American History

Minor Elective Courses

Complete 9 credits from the following list of courses:

- HIST 601A - American Constitutional and Legal History I
- HIST 601B - American Constitutional and Legal History II
- HIST 604A - American Social History to 1860
- HIST 604B - American Social History, 1860-Present
- HIST 605 - History of the New South
- HIST 606A - The American West to 1849
- HIST 606B - The American West Since 1849
- HIST 607A - United States Foreign Relations I
- HIST 607B - United States Foreign Relations II
- HIST 610A - American Cultural and Intellectual History I
- HIST 610B - American Cultural and Intellectual History II
- HIST 611 - United States: Colonial Period

- HIST 612 - United States: Revolution and the New Republic
- HIST 614A - United States: National Period, 1815-1860
- HIST 614B - United States: Civil War and Reconstruction, 1860-1877
- HIST 615A - United States: Gilded Age, 1877-1900
- HIST 615B - United States: The Progressive Era, 1900-1920
- HIST 616A - Recent America: Era of Franklin D. Roosevelt, 1920-1945
- HIST 616B - Contemporary America: The U.S. Since 1945
- HIST 617A - Nevada and the Far West
- HIST 624 - Role of Religion in American Culture
- HIST 625 - History of Southern Nevada
- HIST 626 - The American West Through Film
- HIST 628 - History of Business in United States History
- HIST 629 - History of American Labor, 1607-Present
- HIST 632A - History of American Women to 1870
- HIST 632B - History of American Women, 1870 to Present
- HIST 633 - African-American History
- HIST 633B - African-American History to 1877
- HIST 633C - African-American History since 1877
- HIST 634 - Role of Cities in American History
- HIST 636 - Nazi Holocaust from the American Perspective
- HIST 637 - Family History
- HIST 638A - American Indian History to 1851
- HIST 638B - Ethnohistory of Native Americans Since 1851
- HIST 638C - Topics in American Indian History
- HIST 640 - Regions in American Indian History
- HIST 641 - American Environmental History
- HIST 643 - Comparative Environmental History
- HIST 643A - Historic Preservation
- HIST 644 - Latinos in the American West
- HIST 648 - Asian American History
- HIST 652A - Popular Culture in Nineteenth-Century America
- HIST 652B - Popular Culture in Twentieth-Century America

- HIST 653 - Women in Politics
- HIST 668 - History of Science
- HIST 682 - Music History I
- HIST 683 - Music History II
- HIST 683A - Urban Destruction and Reconstruction
- HIST 685 - Oral History
- HIST 686 - Military History of the United States
- HIST 687 - Topics in American Studies
- HIST 689 - Comparative History
- HIST 695 - Special Topics in Gender and History
- HIST 724 - Colloquium in American Cultural/Intellectual History
- HIST 725 - Seminar in American Cultural/Intellectual History
- HIST 726 - Colloquium in American Western History
- HIST 730 - Colloquium in American History
- HIST 731 - Research Seminar in American History
- HIST 740 - Historiography
- HIST 741 - Colloquium in Transnational History
- HIST 748 - History and Policy
- HIST 761 - Doctoral Independent Study

World History

Minor Colloquium Course

- HIST 738 - Colloquium in African and Middle Eastern History

Minor Elective Courses

Complete 9 credits from the following list of courses:

- HIST 619A - Britain to 1750
- HIST 619B - Britain from 1750
- HIST 620 - Topics in Central Europe: 1914 - Present
- HIST 621 - History of Russia to 1825
- HIST 622 - History of Russia Since 1825
- HIST 623A - History of Germany to 1848
- HIST 623B - History of Germany Since 1848
- HIST 634A - European Urban History
- HIST 635A - Early Modern Intellectual History
- HIST 635B - Modern Intellectual History
- HIST 635C - Topics in European Cultural and Intellectual History
- HIST 645 - Cultural History of Modern Russia
- HIST 646 - History of the Russian Film

- HIST 647 - Revolutionary Russia 1905-1921
- HIST 649A - History of Japan to 1800
- HIST 649B - History of Japan since 1800
- HIST 649C - Topics in Japanese History
- HIST 655A - History of China to 1800
- HIST 655B - History of China since 1800
- HIST 655C - Topics in Modern China
- HIST 656 - Topics in Ancient History
- HIST 657 - Ancient Greek Civilization
- HIST 658 - Roman Civilization
- HIST 659 - Medieval Civilization
- HIST 659A - Topics in Medieval History
- HIST 660A - The Renaissance
- HIST 660B - The Reformation
- HIST 661 - Europe in the 18th Century
- HIST 661B - Early Modern Europe: 1550-1789
- HIST 662 - The French Revolution and Napoleon
- HIST 663 - Europe: 1815-1914
- HIST 664 - Europe: 1914 to the Present
- HIST 666 - European Diplomatic History, 1815-Present
- HIST 668 - History of Science
- HIST 670 - History of Mexico
- HIST 671 - Revolution and Reaction in Contemporary Latin America
- HIST 672 - History of Brazil
- HIST 673 - History of the Andean Region
- HIST 674 - Latin American Ethnic Studies
- HIST 675 - Modern Latin American Film
- HIST 676 - The Mexican Revolution
- HIST 678A - Islamic and Middle Eastern History to 1750
- HIST 678B - Islamic and Middle Eastern History since 1750
- HIST 679 - History of the British Empire
- HIST 679A - West Africa and the Making of the Atlantic World
- HIST 682 - Music History I
- HIST 683 - Music History II
- HIST 689 - Comparative History
- HIST 691A - Women in the Ancient World
- HIST 691B - Women in Medieval Culture and Society

- HIST 692A - Women In Early Modern Europe
- HIST 692B - Woman's Role in European History: 1750-1970
- HIST 695 - Special Topics in Gender and History
- HIST 696 - Philosophy of History
- HIST 728 - Colloquium in European Cultural/Intellectual History
- HIST 729 - Research Seminar in European Cultural/Intellectual History
- HIST 734 - Colloquium in Modern Asian History
- HIST 735 - Research Seminar in Modern Asian History
- HIST 736 - Colloquium in Modern Latin American History
- HIST 737 - Research Seminar in Modern Latin American History
- HIST 739 - Research Seminar in African and Middle Eastern History
- HIST 740 - Historiography
- HIST 741 - Colloquium in Transnational History
- HIST 748 - History and Policy
- HIST 761 - Doctoral Independent Study

Elective Courses – Credits: 3

Complete 3 credits of History elective coursework, or other advisor-approved courses.

After successfully completing the requirements above, students are eligible to earn the Master of Arts – History.

Additional Elective Courses – Credits: 18

Complete 18 credits of History elective coursework, or other advisor-approved courses.

Dissertation – Credits: 12

- HIST 791 - Dissertation

Degree Requirements

1. Students are expected to take courses with as many members of the faculty who specialize in the history of European Culture and Society as possible. Students are encouraged to take more than the minimum number of courses.
2. A minimum of 45 credit hours of course work must be at the 700-level (excluding Dissertation).
3. Foreign Language Requirement. This requirement can be met in any of the following three ways, though the chosen option must be approved by the chair of the student's examination committee:
 - a. Demonstrated reading knowledge of two foreign languages.
 - b. Demonstrated reading knowledge of one

foreign language and advanced reading knowledge of the same language, assessed through the writing of a substantial historiographical essay in English based on scholarly literature in that foreign language.

c. With the approval of the student's committee and the Graduate Coordinator, a student may demonstrate reading knowledge of one foreign language and the successful completion of SOC 604 - Statistical Methods in the Social Sciences.

4. The completion of the second seminar paper will constitute the master's culminating experience; it will be evaluated by a committee consisting of the instructor of record, the student's primary advisor and the graduate coordinator.
5. Please note that the MA degree will not be conferred automatically. Students must take the initiative to seek committee approval and apply for conferral through the Graduate College.
6. Doctoral students may also apply to transfer into the MA program at any point, but this will require a new application.
7. Students may take up to six credits of Comprehensive Exam Preparation, but these credits will not count towards the total credits required for the degree.
8. Written and Oral Qualifying Examinations. Students write a total of eight out of sixteen essay questions. Students prepare extensive reading lists of books and articles for each field of study in conjunction with the members of their advisory committee. The lists are based on scholarly works read in coursework, but substantial additional reading is required. Coursework alone does not constitute preparation for comprehensive exams. For purposes of examination, and through close consultation with the student's committee chair and members of the committee, coursework and supplemental reading will be divided into four examination areas, each of which is comprised of four questions from which the students write on two.
 - a. Major Field (General European History): Students, in consultation with their advisors, will define the parameters of the major field. Specific chronological parameters will vary but students are required to answer questions on the full sweep of European history in the oral examination. A student writes on two of four questions.
 - b. Major Field (Topical): Requires students to master the literature in European Culture and Society. A student writes on two of four questions.
 - c. Theory and Methods: A student chooses one of the following fields: Applied Theory, Public History, or Comparative History. A student writes on one of two questions.
 - d. Minor Field: A student chooses one of the following fields: United States History, World History, or Public History. A student may only be examined in Public History in one field. A student writes on one of two questions.

9. Students must pass the written portion of the qualifying exam before they are allowed to take the oral qualifying exam.
10. Students may take up to three credits of Dissertation Prospectus course, but these credits will not count towards the total credits required for the degree.
11. The prospectus colloquium must be held within three months of the successful completion of the comprehensive examinations. Students must formally present a prospectus for their proposed dissertation research to their advisory committee before taking dissertation credits. The prospectus must be accepted for the student to have ABD status in the History Department.
12. A dissertation of substantial length and quality containing original research and interpretation on a topic in the field of European Culture and Society.

Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements for both the Master's (if applicable) and Doctoral portions of the program.
2. The student must submit and successfully defend his/her dissertation by the posted deadline. The defense must be advertised and is open to the public.
3. After the dissertation defense, the student must electronically submit a properly formatted pdf copy of their dissertation to the Graduate College for format check. Once the dissertation format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for dissertation defenses, format check submissions, and the final ProQuest submission can be found here.

Subplan 4 Requirements: Post-Master's - North American West Track

Total Credits Required: 47

Course Requirements

Required Courses – Credits: 7

- HIST 726 - Colloquium in American Western History
- HIST 727 - Research Seminar in American Western History

Historiography Courses – Credits: 6

Complete two of the following courses:

- HIST 740A - Historiography (United States - Domestic)
- HIST 740E - Historiography (United States - Diplomatic)
- HIST 740F - Historiography (American West)
- HIST 740G - Historiography (United States - Cultural/

Intellectual)

Additional Colloquium Courses – Credits: 3

Complete one of the following courses:

- HIST 724 - Colloquium in American Cultural/Intellectual History
- HIST 730 - Colloquium in American History
- HIST 741 - Colloquium in Transnational History

Seminar Course – Credits: 4

Complete one of the following courses:

- HIST 725 - Seminar in American Cultural/Intellectual History
- HIST 731 - Research Seminar in American History
- HIST 742 - Seminar in Transnational History

Minor Field Courses – Credits: 12

In consultation with your advisor select a minor field of study and complete 3 credits of colloquium and 9 credits of electives to total 12 credits.

Asian History

Minor Colloquium Course

- HIST 734 - Colloquium in Modern Asian History

Minor Elective Courses

Complete 9 credits from the following list of courses:

- HIST 649A - History of Japan to 1800
- HIST 649B - History of Japan since 1800
- HIST 649C - Topics in Japanese History
- HIST 655A - History of China to 1800
- HIST 655B - History of China since 1800
- HIST 655C - Topics in Modern China
- HIST 689 - Comparative History
- HIST 698 - Advanced Historical Studies
- HIST 735 - Research Seminar in Modern Asian History
- HIST 740 - Historiography
- HIST 741 - Colloquium in Transnational History
- HIST 761 - Doctoral Independent Study

European History

Minor Colloquium Course

Complete one of the following courses:

- HIST 728 - Colloquium in European Cultural/Intellectual History
- HIST 732 - Colloquium in European History

Minor Elective Courses

Complete 9 credits from the following list of courses:

- HIST 619A - Britain to 1750
- HIST 619B - Britain from 1750
- HIST 620 - Topics in Central Europe: 1914 - Present
- HIST 621 - History of Russia to 1825
- HIST 622 - History of Russia Since 1825
- HIST 623A - History of Germany to 1848
- HIST 623B - History of Germany Since 1848
- HIST 635A - Early Modern Intellectual History
- HIST 635B - Modern Intellectual History
- HIST 635C - Topics in European Cultural and Intellectual History
- HIST 645 - Cultural History of Modern Russia
- HIST 646 - History of the Russian Film
- HIST 647 - Revolutionary Russia 1905-1921
- HIST 656 - Topics in Ancient History
- HIST 657 - Ancient Greek Civilization
- HIST 658 - Roman Civilization
- HIST 659 - Medieval Civilization
- HIST 659A - Topics in Medieval History
- HIST 660A - The Renaissance
- HIST 660B - The Reformation
- HIST 661 - Europe in the 18th Century
- HIST 661B - Early Modern Europe: 1550-1789
- HIST 662 - The French Revolution and Napoleon
- HIST 663 - Europe: 1815-1914
- HIST 664 - Europe: 1914 to the Present
- HIST 666 - European Diplomatic History, 1815-Present
- HIST 668 - History of Science
- HIST 679 - History of the British Empire
- HIST 679A - West Africa and the Making of the Atlantic World
- HIST 682 - Music History I
- HIST 683 - Music History II
- HIST 689 - Comparative History
- HIST 691A - Women in the Ancient World
- HIST 691B - Women in Medieval Culture and Society
- HIST 692A - Women In Early Modern Europe
- HIST 692B - Woman's Role in European History: 1750-1970
- HIST 695 - Special Topics in Gender and History

- HIST 696 - Philosophy of History
- HIST 728 - Colloquium in European Cultural/Intellectual History
- HIST 729 - Research Seminar in European Cultural/Intellectual History
- HIST 732 - Colloquium in European History
- HIST 733 - Research Seminar in European History
- HIST 760 - Advanced Studies in History
- HIST 740 - Historiography
- HIST 741 - Colloquium in Transnational History
- HIST 761 - Doctoral Independent Study

Latin American History

Minor Colloquium Course

- HIST 736 - Colloquium in Modern Latin American History

Minor Elective Courses

Complete 9 credits from the following list of courses:

- HIST 670 - History of Mexico
- HIST 671 - Revolution and Reaction in Contemporary Latin America
- HIST 672 - History of Brazil
- HIST 673 - History of the Andean Region
- HIST 674 - Latin American Ethnic Studies
- HIST 675 - Modern Latin American Film
- HIST 676 - The Mexican Revolution
- HIST 679A - West Africa and the Making of the Atlantic World
- HIST 689 - Comparative History
- HIST 695 - Special Topics in Gender and History
- HIST 737 - Research Seminar in Modern Latin American History
- HIST 740 - Historiography
- HIST 761 - Doctoral Independent Study

Public History

Minor Colloquium Course

- HIST 749 - Colloquium in Public History

Required Elective Courses

- HIST 750 - Methods for the Study of Public History
- HIST 795 - Internship in Public History

Minor Elective Course

Complete one of the following courses:

- HIST 751 - Museums and American Culture

- HIST 752 - Modern Archives: Theory and Methodology
- HIST 754 - Topics in Public History
- HIST 761 - Doctoral Independent Study

World History

Minor Colloquium Course

- HIST 738 - Colloquium in African and Middle Eastern History
- HIST 741 - Colloquium in Transnational History

Minor Elective Courses

Complete 9 credits from the following list of courses:

- HIST 619A - Britain to 1750
- HIST 619B - Britain from 1750
- HIST 620 - Topics in Central Europe: 1914 - Present
- HIST 621 - History of Russia to 1825
- HIST 622 - History of Russia Since 1825
- HIST 623A - History of Germany to 1848
- HIST 623B - History of Germany Since 1848
- HIST 634A - European Urban History
- HIST 645 - Cultural History of Modern Russia
- HIST 646 - History of the Russian Film
- HIST 647 - Revolutionary Russia 1905-1921
- HIST 649A - History of Japan to 1800
- HIST 649B - History of Japan since 1800
- HIST 649C - Topics in Japanese History
- HIST 655A - History of China to 1800
- HIST 655B - History of China since 1800
- HIST 655C - Topics in Modern China
- HIST 656 - Topics in Ancient History
- HIST 657 - Ancient Greek Civilization
- HIST 658 - Roman Civilization
- HIST 659 - Medieval Civilization
- HIST 659A - Topics in Medieval History
- HIST 660A - The Renaissance
- HIST 660B - The Reformation
- HIST 661 - Europe in the 18th Century
- HIST 661B - Early Modern Europe: 1550-1789
- HIST 662 - The French Revolution and Napoleon
- HIST 663 - Europe: 1815-1914
- HIST 664 - Europe: 1914 to the Present
- HIST 666 - European Diplomatic History, 1815-Present

- HIST 668 - History of Science
- HIST 670 - History of Mexico
- HIST 671 - Revolution and Reaction in Contemporary Latin America
- HIST 672 - History of Brazil
- HIST 673 - History of the Andean Region
- HIST 674 - Latin American Ethnic Studies
- HIST 675 - Modern Latin American Film
- HIST 676 - The Mexican Revolution
- HIST 678A - Islamic and Middle Eastern History to 1750
- HIST 678B - Islamic and Middle Eastern History since 1750
- HIST 679 - History of the British Empire
- HIST 679A - West Africa and the Making of the Atlantic World
- HIST 682 - Music History I
- HIST 683 - Music History II
- HIST 689 - Comparative History
- HIST 691A - Women in the Ancient World
- HIST 691B - Women in Medieval Culture and Society
- HIST 692B - Woman's Role in European History: 1750-1970
- HIST 692A - Women In Early Modern Europe
- HIST 695 - Special Topics in Gender and History
- HIST 696 - Philosophy of History
- HIST 728 - Colloquium in European Cultural/Intellectual History
- HIST 729 - Research Seminar in European Cultural/Intellectual History
- HIST 734 - Colloquium in Modern Asian History
- HIST 735 - Research Seminar in Modern Asian History
- HIST 736 - Colloquium in Modern Latin American History
- HIST 737 - Research Seminar in Modern Latin American History
- HIST 739 - Research Seminar in African and Middle Eastern History
- HIST 740 - Historiography
- HIST 741 - Colloquium in Transnational History
- HIST 748 - History and Policy
- HIST 761 - Doctoral Independent Study

Elective Courses – Credits: 3

Complete 3 credits of History elective coursework, or other advisor-approved courses.

Dissertation – Credits: 12

- HIST 791 - Dissertation

Degree Requirements

1. Students are expected to take courses with as many members of the faculty who specialize in the history of the North American West as possible. Students are encouraged to take more than the minimum number of courses.
2. A minimum of 26 credit hours of course work must be at the 700-level (excluding Dissertation).
3. Foreign Language Requirement. This requirement can be met in any of the following three ways, though the chosen option must be approved by the chair of the student's examination committee:
 - a. Demonstrated reading knowledge of two foreign languages.
 - b. Demonstrated reading knowledge of one foreign language and advanced reading knowledge of the same language, assessed through the writing of a substantial historiographical essay in English based on scholarly literature in that foreign language.
 - c. With the approval of the student's committee and the Graduate Coordinator, a student may demonstrate reading knowledge of one foreign language and the successful completion of SOC 604 - Statistical Methods in the Social Sciences.
4. Students may take up to six credits of Comprehensive Exam Preparation, but these credits will not count towards the total credits required for the degree.
5. Written and Oral Qualifying Examinations. Students write a total of six out of twelve essay questions. Students prepare extensive reading lists of books and articles for each field of study in conjunction with the members of their advisory committee. The lists are based on scholarly works read in coursework, but substantial additional reading is required. Coursework alone does not constitute preparation for comprehensive exams. For purposes of examination, and through close consultation with the student's committee chair and members of the committee, coursework and supplemental reading will be divided into four examination areas, each of which is comprised of four questions from which the students write on two.
 - a. Major Field (General United States History): the written examination focuses on the first or second half of U.S. History (1600 to 1877, or 1850 to Present), but students are required to answer questions on the full sweep of U.S. History in the oral examination. A student writes on two of four questions.
 - b. Major Field (Topical): Requires students to master the literature in North American West. A student writes on two of four questions.
 - c. Theory and Methods: A student chooses Applied Theory, Comparative History, or Public

History. A student writes on one of two questions.
d. Minor Field: A student chooses one of the following fields: Asian History, European History, Latin American History, Public History, or World History. A student may only be examined in Public History in one field. A student writes on one of two questions.

6. Students must pass the written portion of the qualifying exam before they are allowed to take the oral qualifying exam.
7. Students may take up to three credits of Dissertation Prospectus course, but these credits will not count towards the total credits required for the degree.
8. The prospectus colloquium must be held within three months of the successful completion of the comprehensive examinations. Students must formally present a prospectus for their proposed dissertation research to their advisory committee before taking dissertation credits. The prospectus must be accepted for the student to have ABD status in the History Department.
9. A dissertation of substantial length and quality containing original research and interpretation on a topic in the field of Northern American West.

Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
2. The student must submit and successfully defend his/her dissertation by the posted deadline. The defense must be advertised and is open to the public.
3. After the dissertation defense, the student must electronically submit a properly formatted pdf copy of their dissertation to the Graduate College for format check. Once the dissertation format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for dissertation defenses, format check submissions, and the final ProQuest submission can be found here.

Subplan 5 Requirements: Post-Master's - North American Culture and Society Track

Total Credits Required: 47

Course Requirements

Required Courses – Credits: 7

- HIST 724 - Colloquium in American Cultural/Intellectual History
- HIST 725 - Seminar in American Cultural/Intellectual History

Historiography Courses – Credits: 6

Complete two of the following courses:

- HIST 740A - Historiography (United States - Domestic)
- HIST 740E - Historiography (United States - Diplomatic)
- HIST 740F - Historiography (American West)
- HIST 740G - Historiography (United States - Cultural/Intellectual)
- HIST 740H - Historiography (European Cultural/Intellectual)

Colloquium Courses – Credits: 3

Complete one of the following courses:

- HIST 724 - Colloquium in American Cultural/Intellectual History
- HIST 726 - Colloquium in American Western History
- HIST 730 - Colloquium in American History
- HIST 741 - Colloquium in Transnational History

Seminar Course – Credits: 4

Complete one of the following courses:

- HIST 727 - Research Seminar in American Western History
- HIST 731 - Research Seminar in American History
- HIST 742 - Seminar in Transnational History

Minor Field Courses – Credits: 12

In consultation with your advisor select a minor field of study and complete 3 credits of colloquium and 9 credits of electives to total 12 credits.

Asian History

Minor Colloquium Course

- HIST 734 - Colloquium in Modern Asian History

Minor Elective Courses

Complete 9 credits from the following list of courses:

- HIST 649A - History of Japan to 1800
- HIST 649B - History of Japan since 1800
- HIST 649C - Topics in Japanese History
- HIST 655A - History of China to 1800
- HIST 655B - History of China since 1800
- HIST 655C - Topics in Modern China
- HIST 689 - Comparative History
- HIST 698 - Advanced Historical Studies
- HIST 735 - Research Seminar in Modern Asian History
- HIST 740 - Historiography
- HIST 741 - Colloquium in Transnational History
- HIST 761 - Doctoral Independent Study

European History

Minor Colloquium Course

Complete one of the following courses:

- HIST 728 - Colloquium in European Cultural/Intellectual History
- HIST 732 - Colloquium in European History

Minor Elective Courses

Complete 9 credits from the following list of courses:

- HIST 619A - Britain to 1750
- HIST 619B - Britain from 1750
- HIST 620 - Topics in Central Europe: 1914 - Present
- HIST 621 - History of Russia to 1825
- HIST 622 - History of Russia Since 1825
- HIST 623A - History of Germany to 1848
- HIST 623B - History of Germany Since 1848
- HIST 634A - European Urban History
- HIST 635A - Early Modern Intellectual History
- HIST 635B - Modern Intellectual History
- HIST 635C - Topics in European Cultural and Intellectual History
- HIST 645 - Cultural History of Modern Russia
- HIST 646 - History of the Russian Film
- HIST 647 - Revolutionary Russia 1905-1921
- HIST 656 - Topics in Ancient History
- HIST 657 - Ancient Greek Civilization
- HIST 658 - Roman Civilization
- HIST 659 - Medieval Civilization
- HIST 659A - Topics in Medieval History
- HIST 660A - The Renaissance
- HIST 660B - The Reformation
- HIST 661 - Europe in the 18th Century
- HIST 661B - Early Modern Europe: 1550-1789
- HIST 662 - The French Revolution and Napoleon
- HIST 663 - Europe: 1815-1914
- HIST 664 - Europe: 1914 to the Present
- HIST 666 - European Diplomatic History, 1815-Present
- HIST 668 - History of Science
- HIST 679 - History of the British Empire
- HIST 679A - West Africa and the Making of the Atlantic World
- HIST 682 - Music History I

- HIST 683 - Music History II
- HIST 689 - Comparative History
- HIST 691A - Women in the Ancient World
- HIST 691B - Women in Medieval Culture and Society
- HIST 692A - Women In Early Modern Europe
- HIST 695 - Special Topics in Gender and History
- HIST 696 - Philosophy of History
- HIST 728 - Colloquium in European Cultural/Intellectual History
- HIST 729 - Research Seminar in European Cultural/Intellectual History
- HIST 732 - Colloquium in European History
- HIST 733 - Research Seminar in European History
- HIST 740 - Historiography
- HIST 741 - Colloquium in Transnational History
- HIST 760 - Advanced Studies in History
- HIST 761 - Doctoral Independent Study

Latin American History

Minor Colloquium Course

- HIST 736 - Colloquium in Modern Latin American History

Minor Elective Courses

Complete 9 credits from the following list of courses:

- HIST 670 - History of Mexico
- HIST 671 - Revolution and Reaction in Contemporary Latin America
- HIST 672 - History of Brazil
- HIST 673 - History of the Andean Region
- HIST 674 - Latin American Ethnic Studies
- HIST 675 - Modern Latin American Film
- HIST 676 - The Mexican Revolution
- HIST 679A - West Africa and the Making of the Atlantic World
- HIST 689 - Comparative History
- HIST 695 - Special Topics in Gender and History
- HIST 737 - Research Seminar in Modern Latin American History
- HIST 740 - Historiography
- HIST 741 - Colloquium in Transnational History
- HIST 761 - Doctoral Independent Study

Public History

Minor Colloquium Course

- HIST 749 - Colloquium in Public History

Required Elective Course

- HIST 750 - Methods for the Study of Public History
- HIST 795 - Internship in Public History

Minor Elective Course

Complete one of the following courses:

- HIST 751 - Museums and American Culture
- HIST 752 - Modern Archives: Theory and Methodology
- HIST 754 - Topics in Public History
- HIST 761 - Doctoral Independent Study

World History

Minor Colloquium Course

- HIST 738 - Colloquium in African and Middle Eastern History
- HIST 741 - Colloquium in Transnational History

Minor Elective Courses

Complete 9 credits from the following list of courses:

- HIST 619A - Britain to 1750
- HIST 619B - Britain from 1750
- HIST 620 - Topics in Central Europe: 1914 - Present
- HIST 621 - History of Russia to 1825
- HIST 622 - History of Russia Since 1825
- HIST 623A - History of Germany to 1848
- HIST 623B - History of Germany Since 1848
- HIST 634A - European Urban History
- HIST 635A - Early Modern Intellectual History
- HIST 635B - Modern Intellectual History
- HIST 635C - Topics in European Cultural and Intellectual History
- HIST 645 - Cultural History of Modern Russia
- HIST 646 - History of the Russian Film
- HIST 647 - Revolutionary Russia 1905-1921
- HIST 649A - History of Japan to 1800
- HIST 649B - History of Japan since 1800
- HIST 649C - Topics in Japanese History
- HIST 655A - History of China to 1800
- HIST 655B - History of China since 1800
- HIST 655C - Topics in Modern China
- HIST 656 - Topics in Ancient History
- HIST 657 - Ancient Greek Civilization
- HIST 658 - Roman Civilization

- HIST 659 - Medieval Civilization
- HIST 659A - Topics in Medieval History
- HIST 660A - The Renaissance
- HIST 660B - The Reformation
- HIST 661 - Europe in the 18th Century
- HIST 661B - Early Modern Europe: 1550-1789
- HIST 662 - The French Revolution and Napoleon
- HIST 663 - Europe: 1815-1914
- HIST 664 - Europe: 1914 to the Present
- HIST 666 - European Diplomatic History, 1815-Present
- HIST 668 - History of Science
- HIST 670 - History of Mexico
- HIST 671 - Revolution and Reaction in Contemporary Latin America
- HIST 672 - History of Brazil
- HIST 673 - History of the Andean Region
- HIST 674 - Latin American Ethnic Studies
- HIST 675 - Modern Latin American Film
- HIST 676 - The Mexican Revolution
- HIST 678A - Islamic and Middle Eastern History to 1750
- HIST 678B - Islamic and Middle Eastern History since 1750
- HIST 679 - History of the British Empire
- HIST 679A - West Africa and the Making of the Atlantic World
- HIST 682 - Music History I
- HIST 683 - Music History II
- HIST 689 - Comparative History
- HIST 691A - Women in the Ancient World
- HIST 691B - Women in Medieval Culture and Society
- HIST 692A - Women In Early Modern Europe
- HIST 692B - Woman's Role in European History: 1750-1970
- HIST 695 - Special Topics in Gender and History
- HIST 696 - Philosophy of History
- HIST 728 - Colloquium in European Cultural/Intellectual History
- HIST 729 - Research Seminar in European Cultural/Intellectual History
- HIST 734 - Colloquium in Modern Asian History
- HIST 735 - Research Seminar in Modern Asian History

- HIST 736 - Colloquium in Modern Latin American History
- HIST 737 - Research Seminar in Modern Latin American History
- HIST 739 - Research Seminar in African and Middle Eastern History
- HIST 740 - Historiography
- HIST 741 - Colloquium in Transnational History
- HIST 748 - History and Policy
- HIST 761 - Doctoral Independent Study

Elective Courses – Credits: 3

Complete 3 credits of History elective coursework, or other advisor-approved courses.

Dissertation – Credits: 12

- HIST 791 - Dissertation

Degree Requirements

1. Students are expected to take courses with as many members of the faculty who specialize in the history of North American Culture and Society as possible. Students are encouraged to take more than the minimum number of courses.
2. A minimum of 26 credit hours of course work must be at the 700-level (excluding Dissertation).
3. Foreign Language Requirement. This requirement can be met in any of the following three ways, though the chosen option must be approved by the chair of the student's examination committee:
 - a. Demonstrated reading knowledge of two foreign languages.
 - b. Demonstrated reading knowledge of one foreign language and advanced reading knowledge of the same language, assessed through the writing of a substantial historiographical essay in English based on scholarly literature in that foreign language.
 - c. With the approval of the student's committee and the Graduate Coordinator, a student may demonstrate reading knowledge of one foreign language and the successful completion of SOC 604 - Statistical Methods in the Social Sciences.
4. Students may take up to six credits of Comprehensive Exam Preparation, but these credits will not count towards the total credits required for the degree.
5. Written and Oral Qualifying Examinations. Students write a total of six out of twelve essay questions. Students prepare extensive reading lists of books and articles for each field of study in conjunction with the members of their advisory committee. The lists are based on scholarly works read in coursework, but substantial additional reading is required. Coursework alone does not constitute preparation for comprehensive exams. For purposes of examination, and through close consultation with the student's

committee chair and members of the committee, coursework and supplemental reading will be divided into four examination areas, each of which is comprised of four questions from which the students write on two.

a. Major Field (General United States History): the written examination focuses on the first or second half of U.S. History (1600 to 1877, or 1850 to Present), but students are required to answer questions on the full sweep of U.S. History in the oral examination. A student writes on two of four questions.

b. Major Field (Topical): Requires students to master the literature in North American Culture and Society. A student writes on two of four questions.

c. Theory and Methods: A student chooses Applied Theory, Comparative History, or Public History. A student writes on one of two questions.

d. Minor Field: A student chooses one of the following fields: Asian History, European History, Latin American History, Public History, or World History. A student may only be examined in Public History in one field. A student writes on one of two questions.

6. Students must pass the written portion of the qualifying exam before they are allowed to take the oral qualifying exam.
7. Students may take up to three credits of Dissertation Prospectus course, but these credits will not count towards the total credits required for the degree.
8. The prospectus colloquium must be held within three months of the successful completion of the comprehensive examinations. Students must formally present a prospectus for their proposed dissertation research to their advisory committee before taking dissertation credits. The prospectus must be accepted for the student to have ABD status in the History Department.
9. A dissertation of substantial length and quality containing original research and interpretation on a topic in the field of North American Culture and Society.

Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
2. The student must submit and successfully defend his/her dissertation by the posted deadline. The defense must be advertised and is open to the public.
3. After the dissertation defense, the student must electronically submit a properly formatted pdf copy of their dissertation to the Graduate College for format check. Once the dissertation format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for dissertation defenses, format check submissions, and the final ProQuest submission can be found here.

Subplan 6 Requirements: Post-Master's - European Culture and Society Track

Total Credits Required: 47

Course Requirements

Required Courses – Credits: 7

- HIST 728 - Colloquium in European Cultural/Intellectual History
- HIST 729 - Research Seminar in European Cultural/Intellectual History

Historiography Courses – Credits: 6

Complete two of the following courses:

- HIST 740 - Historiography

Colloquium Courses – Credits: 3

Complete one of the following courses (excluding any courses taken as Non-European Colloquium):

- HIST 732 - Colloquium in European History
- HIST 734 - Colloquium in Modern Asian History
- HIST 735 - Research Seminar in Modern Asian History
- HIST 736 - Colloquium in Modern Latin American History
- HIST 738 - Colloquium in African and Middle Eastern History
- HIST 741 - Colloquium in Transnational History

Seminar Courses – Credits: 4

Complete one of the following courses:

- HIST 729 - Research Seminar in European Cultural/Intellectual History
- HIST 733 - Research Seminar in European History
- HIST 735 - Research Seminar in Modern Asian History
- HIST 737 - Research Seminar in Modern Latin American History
- HIST 739 - Research Seminar in African and Middle Eastern History
- HIST 742 - Seminar in Transnational History

Minor Field Courses – Credits: 12

In consultation with your advisor select a minor field of study and complete 3 credits of colloquium and 9 credits of electives to total 12 credits.

Asian History

Minor Colloquium Course

- HIST 734 - Colloquium in Modern Asian History

Minor Elective Courses

Complete 9 credits from the following list of courses:

- HIST 649A - History of Japan to 1800
- HIST 649B - History of Japan since 1800
- HIST 649C - Topics in Japanese History
- HIST 655A - History of China to 1800
- HIST 655B - History of China since 1800
- HIST 655C - Topics in Modern China
- HIST 689 - Comparative History
- HIST 698 - Advanced Historical Studies
- HIST 735 - Research Seminar in Modern Asian History
- HIST 740 - Historiography
- HIST 741 - Colloquium in Transnational History
- HIST 761 - Doctoral Independent Study

Latin American History

Minor Colloquium Course

- HIST 736 - Colloquium in Modern Latin American History

Minor Elective Courses

Complete 9 credits from the following list of courses:

- HIST 670 - History of Mexico
- HIST 671 - Revolution and Reaction in Contemporary Latin America
- HIST 672 - History of Brazil
- HIST 673 - History of the Andean Region
- HIST 674 - Latin American Ethnic Studies
- HIST 675 - Modern Latin American Film
- HIST 676 - The Mexican Revolution
- HIST 679A - West Africa and the Making of the Atlantic World
- HIST 689 - Comparative History
- HIST 737 - Research Seminar in Modern Latin American History
- HIST 740 - Historiography
- HIST 741 - Colloquium in Transnational History
- HIST 761 - Doctoral Independent Study

Public History

Minor Colloquium Course

- HIST 749 - Colloquium in Public History

Required Elective Courses

- HIST 750 - Methods for the Study of Public History
- HIST 795 - Internship in Public History

Minor Elective Course

Complete one of the following courses:

- HIST 751 - Museums and American Culture
- HIST 752 - Modern Archives: Theory and Methodology
- HIST 754 - Topics in Public History
- HIST 761 - Doctoral Independent Study

U.S. History

Minor Colloquium Course

Complete one of the following courses:

- HIST 724 - Colloquium in American Cultural/Intellectual History
- HIST 726 - Colloquium in American Western History
- HIST 730 - Colloquium in American History

Minor Elective Courses

Complete 9 credits from the following list of courses:

- HIST 601A - American Constitutional and Legal History I
- HIST 601B - American Constitutional and Legal History II
- HIST 604A - American Social History to 1860
- HIST 604B - American Social History, 1860-Present
- HIST 605 - History of the New South
- HIST 606A - The American West to 1849
- HIST 606B - The American West Since 1849
- HIST 607A - United States Foreign Relations I
- HIST 607B - United States Foreign Relations II
- HIST 610A - American Cultural and Intellectual History I
- HIST 610B - American Cultural and Intellectual History II
- HIST 611 - United States: Colonial Period
- HIST 612 - United States: Revolution and the New Republic
- HIST 614A - United States: National Period, 1815-1860
- HIST 614B - United States: Civil War and Reconstruction, 1860-1877
- HIST 615A - United States: Gilded Age, 1877-1900
- HIST 615B - United States: The Progressive Era, 1900-1920
- HIST 616A - Recent America: Era of Franklin D. Roosevelt, 1920-1945
- HIST 616B - Contemporary America: The U.S. Since 1945

- HIST 617A - Nevada and the Far West
- HIST 624 - Role of Religion in American Culture
- HIST 625 - History of Southern Nevada
- HIST 626 - The American West Through Film
- HIST 628 - History of Business in United States History
- HIST 629 - History of American Labor, 1607-Present
- HIST 632A - History of American Women to 1870
- HIST 632B - History of American Women, 1870 to Present
- HIST 633 - African-American History
- HIST 633B - African-American History to 1877
- HIST 633C - African-American History since 1877
- HIST 634 - Role of Cities in American History
- HIST 636 - Nazi Holocaust from the American Perspective
- HIST 637 - Family History
- HIST 638A - American Indian History to 1851
- HIST 638B - Ethnohistory of Native Americans Since 1851
- HIST 638C - Topics in American Indian History
- HIST 640 - Regions in American Indian History
- HIST 641 - American Environmental History
- HIST 643 - Comparative Environmental History
- HIST 643A - Historic Preservation
- HIST 644 - Latinos in the American West
- HIST 648 - Asian American History
- HIST 652A - Popular Culture in Nineteenth-Century America
- HIST 652B - Popular Culture in Twentieth-Century America
- HIST 653 - Women in Politics
- HIST 668 - History of Science
- HIST 682 - Music History I
- HIST 683 - Music History II
- HIST 683A - Urban Destruction and Reconstruction
- HIST 685 - Oral History
- HIST 686 - Military History of the United States
- HIST 687 - Topics in American Studies
- HIST 689 - Comparative History
- HIST 695 - Special Topics in Gender and History
- HIST 724 - Colloquium in American Cultural/

Intellectual History

- HIST 725 - Seminar in American Cultural/Intellectual History
- HIST 726 - Colloquium in American Western History
- HIST 730 - Colloquium in American History
- HIST 731 - Research Seminar in American History
- HIST 748 - History and Policy
- HIST 761 - Doctoral Independent Study

World History

Minor Colloquium Course

- HIST 738 - Colloquium in African and Middle Eastern History
- HIST 741 - Colloquium in Transnational History

Minor Elective Courses

Complete 9 credits from the following list of courses:

- HIST 619A - Britain to 1750
- HIST 619B - Britain from 1750
- HIST 620 - Topics in Central Europe: 1914 - Present
- HIST 621 - History of Russia to 1825
- HIST 622 - History of Russia Since 1825
- HIST 623A - History of Germany to 1848
- HIST 623B - History of Germany Since 1848
- HIST 634A - European Urban History
- HIST 635A - Early Modern Intellectual History
- HIST 635B - Modern Intellectual History
- HIST 635C - Topics in European Cultural and Intellectual History
- HIST 645 - Cultural History of Modern Russia
- HIST 646 - History of the Russian Film
- HIST 647 - Revolutionary Russia 1905-1921
- HIST 649A - History of Japan to 1800
- HIST 649B - History of Japan since 1800
- HIST 649C - Topics in Japanese History
- HIST 655A - History of China to 1800
- HIST 655B - History of China since 1800
- HIST 655C - Topics in Modern China
- HIST 656 - Topics in Ancient History
- HIST 657 - Ancient Greek Civilization
- HIST 658 - Roman Civilization
- HIST 659 - Medieval Civilization
- HIST 659A - Topics in Medieval History

- HIST 660A - The Renaissance
- HIST 660B - The Reformation
- HIST 661 - Europe in the 18th Century
- HIST 661B - Early Modern Europe: 1550-1789
- HIST 662 - The French Revolution and Napoleon
- HIST 663 - Europe: 1815-1914
- HIST 664 - Europe: 1914 to the Present
- HIST 666 - European Diplomatic History, 1815-Present
- HIST 668 - History of Science
- HIST 670 - History of Mexico
- HIST 671 - Revolution and Reaction in Contemporary Latin America
- HIST 672 - History of Brazil
- HIST 673 - History of the Andean Region
- HIST 674 - Latin American Ethnic Studies
- HIST 675 - Modern Latin American Film
- HIST 676 - The Mexican Revolution
- HIST 678A - Islamic and Middle Eastern History to 1750
- HIST 678B - Islamic and Middle Eastern History since 1750
- HIST 679 - History of the British Empire
- HIST 679A - West Africa and the Making of the Atlantic World
- HIST 682 - Music History I
- HIST 683 - Music History II
- HIST 689 - Comparative History
- HIST 691A - Women in the Ancient World
- HIST 691B - Women in Medieval Culture and Society
- HIST 692A - Women In Early Modern Europe
- HIST 695 - Special Topics in Gender and History
- HIST 696 - Philosophy of History
- HIST 728 - Colloquium in European Cultural/Intellectual History
- HIST 729 - Research Seminar in European Cultural/Intellectual History
- HIST 734 - Colloquium in Modern Asian History
- HIST 735 - Research Seminar in Modern Asian History
- HIST 736 - Colloquium in Modern Latin American History
- HIST 737 - Research Seminar in Modern Latin American History

- HIST 739 - Research Seminar in African and Middle Eastern History
- HIST 740 - Historiography
- HIST 741 - Colloquium in Transnational History
- HIST 748 - History and Policy
- HIST 791 - Dissertation

Elective Courses – Credits: 3

Complete 3 credits of History elective coursework, or other advisor-approved courses.

Dissertation – Credits: 12

- HIST 791 - Dissertation

Degree Requirements

1. Students are expected to take courses with as many members of the faculty who specialize in the history of European Culture and Society as possible. Students are encouraged to take more than the minimum number of courses.
2. A minimum of 26 credit hours of course work must be at the 700-level (excluding Dissertation).
3. Foreign Language Requirement. This requirement can be met in any of the following three ways, though the chosen option must be approved by the chair of the student's examination committee:

1. Demonstrated reading knowledge of two foreign languages.

2. Demonstrated reading knowledge of one foreign language and advanced reading knowledge of the same language, assessed through the writing of a substantial historiographical essay in English based on scholarly literature in that foreign language.

3. With the approval of the student's committee and the Graduate Coordinator, a student may demonstrate reading knowledge of one foreign language and the successful completion of SOC 604 - Statistical Methods in the Social Sciences.

4. Students may take up to six credits of Comprehensive Exam Preparation, but these credits will not count towards the total credits required for the degree.

5. Written and Oral Qualifying Examinations. Students write a total of six out of twelve essay questions. Students prepare extensive reading lists of books and articles for each field of study in conjunction with the members of their advisory committee. The lists are based on scholarly works read in coursework, but substantial additional reading is required. Coursework alone does not constitute preparation for comprehensive exams. For purposes of examination, and through close consultation with the student's committee chair and members of the committee, coursework and supplemental reading will be divided

into four examination areas, each of which is comprised of four questions from which the students write on two.

1. Major Field (General European History): Students, in consultation with their advisors, will define the parameters of the major field. Specific chronological parameters will vary but students are required to answer questions on the full sweep of European history in the oral examination. A student writes on two of four questions.
 2. Major Field (Topical): Requires students to master the literature in European Culture and Society. A student writes on two of four questions.
 3. Theory and Methods: A student chooses one of the following fields: Applied Theory, Public History, or Comparative History. A student writes on one of two questions.
 4. Minor Field: A student chooses one of the following fields: Asian History, Latin American History, Public History, United States History, or World History. A student may only be examined in Public History in one field. A student writes on one of two questions.
6. Students must pass the written portion of the qualifying exam before they are allowed to take the oral qualifying exam.
 7. Students may take up to three credits of Dissertation Prospectus course, but these credits will not count towards the total credits required for the degree.
 8. The prospectus colloquium must be held within three months of the successful completion of the comprehensive examinations. Students must formally present a prospectus for their proposed dissertation research to their advisory committee before taking dissertation credits. The prospectus must be accepted for the student to have ABD status in the History Department.
 9. A dissertation of substantial length and quality containing original research and interpretation on a topic in the field of European Culture and Society.

Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
2. The student must submit and successfully defend his/her dissertation by the posted deadline. The defense must be advertised and is open to the public.
3. After the dissertation defense, the student must electronically submit a properly formatted pdf copy of their dissertation to the Graduate College for format check. Once the dissertation format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest.

Deadlines for dissertation defenses, format check submissions, and the final ProQuest submission can be found here.

Plan Graduation Requirements

Refer to your subplan for Graduation Requirements.

History Courses

HIST 601A - American Constitutional and Legal History I Credits 3

Analysis and interpretation of the life of the law in America from the seventeenth century to modern times. Though designed to complement one another, each half of this course may be taken independently. Notes: This course is crosslisted with HIST 401. Credit at the 600-level requires additional work.

HIST 601B - American Constitutional and Legal History II Credits 3

Analysis and interpretation of the life of the law in America from the seventeenth century to modern times. Though designed to complement one another, each half of this course may be taken independently. Notes: This course is crosslisted with HIST 402. Credit at the 600-level requires additional work.

HIST 604A - American Social History to 1860 Credits 3

Analysis of demography, social structure and mobility factors, and societal institutions of the United States during its formative era. Special attention given to social issues and humanitarian reformism, and to sectional tensions arising from the antislavery movement. Chronological coverage extends from colonial period to Civil War, with emphasis on 1760-1850. Notes: This course is crosslisted with HIST 404A. Credit at the 600-level requires additional work.

HIST 604B - American Social History, 1860-Present Credits 3

Examination of U.S. social development since the Civil War, focusing upon problems arising from industrialism, immigration, and urbanism. Analysis of the responsive emergence of the 'welfare state' in the Progressive, New Deal, and post World War II eras, supplemented by study of current issues of racism, sexism, and contemporary counterculture. Notes: This course is crosslisted with HIST 404B. Credit at the 600-level requires additional work.

HIST 605 - History of the New South Credits 3

Analysis of the post-1865 American South and its regional distinctiveness, with particular emphasis on the rise and decline of one-party politics, economic development from Civil War devastation to the Sunbelt, race relations and the civil rights movement, and the South's influence on U.S. foreign relations. Notes: This course is crosslisted with HIST 405. Credit at the 600-level requires additional work.

HIST 606A - The American West to 1849 Credits 3

Narrative and interpretive study of the development of the West by imperial European powers and Americans to the California Gold Rush. Emphasis on the westward movement and its role in American history. Notes: This course is crosslisted with HIST 406A. Credit at the 600-level requires additional work.

HIST 606B - The American West Since 1849 Credits 3

Narrative and interpretive study of the economic, political, and social developments in the trans-Mississippi West from the California Gold Rush to the present. Notes: This course is crosslisted with HIST 406B. Credit at the 600-level requires additional work.

HIST 607A - United States Foreign Relations I Credits 3

Analysis of the domestic origins, implementation, and international consequences of U.S. foreign relations from 1920 to the present. Includes diplomatic, economic, and cultural relations. Notes: This course is crosslisted with HIST 407A. Credit at the 600-level requires additional work.

HIST 607B - United States Foreign Relations II Credits 3

Analysis of the domestic origins, implementation, and international consequences of U.S. foreign relations from 1920 to the present. Includes diplomatic, economic, and cultural relations. Notes: This course is crosslisted with HIST 407B. Credit at the 600-level requires additional work.

HIST 610A - American Cultural and Intellectual History I Credits 3

Developments in cultural, intellectual, and religious history from European contact to the Civil War. Notes: This course is crosslisted with HIST 410A. Credit at the 600-level requires additional work.

HIST 610B - American Cultural and Intellectual History II Credits 3

Developments in cultural, intellectual, and religious history from the Civil War to the present. Notes: This course is crosslisted with HIST 410B. Credit at the 600-level requires additional work.

HIST 611 - United States: Colonial Period..... Credits 3

Origins of the North American colonies; development of colonial society, culture, and institutions; background factors involved in the American Revolution. Notes: This course is crosslisted with HIST 411. Credit at the 600-level requires additional work.

HIST 612 - United States: Revolution and the New Republic Credits 3

Examination of the course and impact of the American Revolution; the adoption of the Constitution; and the political, diplomatic, and economic developments during the early national period. Notes: This course is crosslisted with HIST 412. Credit at the 600-level requires additional work.

HIST 614A - United States: National Period, 1815-1860 Credits 3

Era of Good Feelings; the Age of Jackson; the problems of expansion; the growing controversy over slavery to the secession of South Carolina in December 1860. Notes: This course is crosslisted with HIST 414A. Credit at the 600-level requires additional work.

HIST 614B - United States: Civil War and Reconstruction, 1860-1877 Credits 3

Era of the Civil War from secession in 1860 to the close of hostilities in 1865; presidential and congressional Reconstruction until the close of this era in 1877. Notes: This course is crosslisted with HIST 414B. Credit at the 600-level requires additional work.

HIST 615A - United States: Gilded Age, 1877-1900 Credits 3

Analysis and interpretation of the impact of industrialization, immigration and urbanization upon the American experiment in republicanism. Examines how diverse Americans, including ex-slaves, farmers, feminists, "new" immigrants, Plains Indians, radicals, soldiers, statesmen, industrialists and laborers responded to these unsettling conditions and helped to usher in the modern age. Notes: This course is crosslisted with HIST 415A. Credit at the 600-level requires additional work.

HIST 615B - United States: The Progressive Era, 1900-1920 Credits 3

Analysis and interpretation of the dramatic social, cultural, and political changes that occurred in the United States between 1900 and 1920 in the period known as the Progressive Era. Examines how Americans fashioned responses to the challenges posed by the modernization and diversification of their society. Notes: This course is crosslisted with HIST 415B. Credit at the 600-level requires additional work.

HIST 616A - Recent America: Era of Franklin D. Roosevelt, 1920-1945 Credits 3

Examination of social, economic, and political trends in the 1920s and of the transition from inflated prosperity to the Great Depression of the 1930s. Special attention to F.D.R.'s presidential role, to the New Deal and concurrent domestic problems, and to foreign policy issues. Coverage includes U.S. entrance and role in World War II. Notes: This course is crosslisted with HIST 416A. Credit at the 600-level requires additional work.

HIST 616B - Contemporary America: The U.S. Since 1945 Credits 3

Cold War abroad and readjustments bringing affluence and anxieties at home. Special focus upon the Korean War, McCarthyism, Kennedy's New Frontier and Johnson's Great Society, "limited warfare" in Cuba and Vietnam, and the Nixon Administration. Social and political tensions of the '60s and '70s also examined. Notes: This course is crosslisted with HIST 416B. Credit at the 600-level requires additional work.

HIST 617A - Nevada and the Far West Credits 3

Study of the far western region, with emphasis on Nevada history. Includes research projects. Notes: This course is crosslisted with HIST 417A. Credit at the 600-level requires additional work.

HIST 619A - Britain to 1750 Credits 3

Analysis and interpretation of the economy, society, politics and culture of the British isles from earliest settlement to 1750. Notes: This course is crosslisted with HIST 419A. Credit at the 600 level requires additional work.

HIST 619B - Britain from 1750 Credits 3

Analysis and interpretation of the economy, society, politics and culture of the British isles and British empire from 1750 to present. Notes: This course is crosslisted with HIST 419B. Credit at the 600 level requires additional work.

HIST 620 - Topics in Central Europe: 1914 - Present Credits 3

Topics on the political and social change in Central Europe from the outbreak of World War I to the present. Topics vary.

HIST 621 - History of Russia to 1825 Credits 3

Examination of the formation of Kievan Rus, the Mongol invasion, the emergence of Muscovite autocracy, religious schism, westernization in the seventeenth century and under Peter I, the establishment of serfdom, the problem of Empire, Catherine II and Alexander I. Notes: This course is crosslisted with HIST 421. Credit at the 600-level requires additional work.

HIST 622 - History of Russia Since 1825 Credits 3

Analysis of conservative modernization under Nicholas I, the birth of the intelligentsia, the Great Reforms, industrialization, revolution, the establishment of the Soviet State, stagnation under Brezhnev, Perestroika under Gorbachev, and the dissolution of the USSR. Notes: This course is crosslisted with HIST 422. Credit at the 600-level requires additional work.

HIST 623A - History of Germany to 1848 Credits 3

Analysis and interpretation of the institutional, social, economic, political and cultural development of the German states. Notes: This course is crosslisted with HIST 423A. Credit at the 600-level requires additional work.

HIST 623B - History of Germany Since 1848 Credits 3

Analysis and interpretation of the institutional, social, economic, political and cultural development of the Germany to the present. Notes: This course is crosslisted with HIST 423B. Credit at the 600-level requires additional work.

HIST 624 - Role of Religion in American Culture Credits 3

Study of the relationship between religion and secular culture in the American experience from the colonial era to the present. Notes: This course is crosslisted with HIST 424. Credit at the 600-level requires additional work.

HIST 625 - History of Southern Nevada Credits 3

History of the Nevada counties of Nye, Esmeralda, Mineral, Lincoln, and Clark since the arrival of the European. The case of southern Nevada used to illustrate techniques for the study of local history in general. Notes: This course is crosslisted with HIST 425. Credit at the 600-level requires additional work.

HIST 626 - The American West Through Film Credits 3

Analyzes the relationships between the history of the American West, movie westerns, and the cultural climate of the United States after 1945. Six credits of history. Notes: This course is crosslisted with HIST 426. Credit at the 600-level requires additional work.

HIST 628 - History of Business in United States History Credits 3

Examines the growth and influence of business upon American history from colonial times to the present. Includes the role played by business groups in the American Revolution, adoption of the U.S. Constitution, westward expansion, the Civil War, World War II, and the development of major American cities. Notes: This course is crosslisted with HIST 428. Credit at the 600-level requires additional work.

HIST 629 - History of American Labor, 1607-Present Credits 3

Analyzes the history of American working men and women from the founding of the American colonies to the present. Emphasis placed on significant events, institutions, and the ordinary lives of laborers themselves, all of which are viewed against the backdrop of an evolving capitalist economic system. Notes: This course is crosslisted with HIST 429. Credit at the 600-level requires additional work.

HIST 632A - History of American Women to 1870 Credits 3

Examines the history of women in the United States from the period of European contact to Reconstruction. Examines women's changing roles in the family, work force, politics, and social movements. Examines the historical experience of European colonists, Native Americans, African Americans, and immigrants. Same as WMST 432A Notes: This course is crosslisted with HIST 432A. Credit at the 600-level requires additional work.

HIST 632B - History of American Women, 1870 to Present Credits 3

Women's relationship to the economy and to political movements; changing ideals of womanhood; the demographic and sexual revolutions transforming family life and gender roles; and class, race, ethnic, and regional variations in female experience. Same as WMST 432B Notes: This course is crosslisted with HIST 432B. Credit at the 600-level requires additional work.

HIST 633 - African-American History Credits 3

Topical approach to Black history that seeks to illuminate grand themes such as DuBois' notion of "double-consciousness," the dilemma of being both Black and American. Explores in depth such topics as religion, family, slavery, urban life, education, labor, culture, and politics. Notes: May be repeated to a maximum of 9 credits. This course is crosslisted with HIST 433. Credit at the 600-level requires additional work.

HIST 633B - African-American History to 1877 Credits 3

An examination of African-American history to 1877 that considers roles of free and enslaved blacks in the shaping of America's social, cultural, economic, and political developments. Themes include the slave trade, creation of race and slavery, gender, and African influences on both slave and American culture. Notes: This course is crosslisted with HIST 433B. Credit at the 600-level requires additional work.

HIST 633C - African-American History since 1877 Credits 3

Examination of the emergence of African-Americans from the aftermath of the Civil War to present. Themes include the restrictions imposed by Jim Crow, segregation beyond the South, the Civil Rights movement, inner city rebellions and the new Black cultural movement. Notes: This course is crosslisted with HIST 433C. Credit at the 600-level requires additional work.

HIST 634 - Role of Cities in American History Credits 3

Growth of cities from colonial times to the present. Topics include urbanization, suburbanization, transportation innovations, crime, housing, and racial conflicts. Special emphasis given to the role of the city in American history. Notes: This course is crosslisted with HIST 434. Credit at the 600-level requires additional work.

HIST 634A - European Urban History Credits 3

Investigation of the radical impact of industrial modernity upon the European metropolis from the eighteenth century onwards. Focuses on cultural, social, technological, and architectural developments in the major European cities, such as London, Paris, Vienna, and Berlin. Notes: This course is crosslisted with HIST 434A. Credit at the 600-level requires additional work.

HIST 635A - Early Modern Intellectual History Credits 3

Renaissance to the Enlightenment, 1450-1775, including humanism, republicanism, Protestantism, science, liberalism, and early economic thinking. Notes: This course is crosslisted with HIST 435A. Credit at the 600-level requires additional work.

HIST 635B - Modern Intellectual History Credits 3

Analysis and interpretation of European attitudes and ideas since the Enlightenment, 1775-present, including Idealism, Marxism, cultural individualism, psychoanalysis, existentialism, and structuralism. Notes: This course is crosslisted with HIST 435B. Credit at the 600-level requires additional work.

HIST 635C - Topics in European Cultural and Intellectual History Credits 3

In-depth study of specific aspects of early modern and modern European cultural and intellectual history. Same as HIST 435C

HIST 636 - Nazi Holocaust from the American Perspective Credits 0

Genocidal aspects of the Nazi Era in Germany. Special emphases on why Americans have become so "Holocaust conscious," and on the impact of the Holocaust on international Jewry. Notes: This course is crosslisted with HIST 436. Credit at the 600-level requires additional work.

HIST 637 - Family History Credits 3

Study of how world wars, the Great Depression, and other historical events have affected American families and communities in the twentieth century. Notes: This course is crosslisted with HIST 437. Credit at the 600-level requires additional work.

HIST 638A - American Indian History to 1851 Credits 3

Examination of Indian peoples from early times to 1851. Includes Indian-white relations, U.S. Indian policy, concentration, assimilation, removal, and resistance to westward expansion. Notes: This course is crosslisted with HIST 438A. Credit at the 600-level requires additional work.

HIST 638B - Ethnohistory of Native Americans Since 1851 Credits 3

Examination of Indian peoples from 1851 to the present. Focuses on impact of Indian culture on Indian-white relations, allotment, reservation life, Indian Reorganization Act, Termination, struggle for civil rights, self-determination, and economic development (gaming). Notes: This course is crosslisted with HIST 438B. Credit at the 600-level requires additional work.

HIST 638C - Topics in American Indian History Credits 3
In-depth study of specific aspects of American Indian History. Notes: This course is crosslisted with HIST 438C. Credit at the 600-level requires additional work. Prerequisites: Six credits of history.

HIST 640 - Regions in American Indian History Credits 3
Examination of the history and culture of Indian peoples in one or more of the following regions: Southwest, Pacific Northwest, Great Basin, Great Plains, Northeast, and Southeast. Notes: This course is crosslisted with HIST 440. Credit at the 600-level requires additional work.

HIST 641 - American Environmental History Credits 3

Explores the relationship between human beings and the physical environment on the North American continent. Examines the way in which different cultural groups have used and transformed the continent. Examines the ebb and flow of consciousness about the environment from its roots in the nineteenth century to the rise of environmentalism in the twentieth century. Notes: This course is crosslisted with HIST 441. Credit at the 600-level requires additional work.

HIST 643 - Comparative Environmental History Credits 3
Provides a comparative context for the study of global environmental history. Analyzes different societies, from the Sumerians to modern cultures, to discern their different uses of land, water, and other natural resources, as well as the ways in which social institutions applied to the physical environment over the ages. Notes: This course is crosslisted with HIST 443. Credit at the 600-level requires additional work.

HIST 643A - Historic Preservation Credits 3
Examines the history and theory of the historic preservation movement in the United States, the legal basis for preservation of the built environment, and the practical methodology of historic preservation. Notes: This course is crosslisted with HIST 443A. Credit at the 600-level requires additional work.

HIST 644 - Latinos in the American West Credits 3
Analysis of the history of Latinos beginning with the Spanish exploration of the New World, the resulting cultural encounters and emergence of a mixed frontier populace, and the present social, economic, and cultural roles of Latinos in American society. Notes: This course is crosslisted with HIST 444. Credit at the 600-level requires additional work.

HIST 645 - Cultural History of Modern Russia Credits 3
Social conscience in Russian literature from Pushkin to Solzhenitsyn, populist realism in art and politics, cultural diversity of the Silver Age, and the effects of Socialist Realism. Notes: This course is crosslisted with HIST 445. Credit at the 600-level requires additional work.

HIST 646 - History of the Russian Film Credits 3
Soviet cinema from the revolutionary films and pathbreaking theories of the 1920s (Eisenstein, Pudovkin, Vertov, Dovzhenko, and Kuleshov), through the constrictions of Socialist Realism, to the revival of a proud tradition in the decades since Stalin. Emphasis on Russian cultural traditions, contemporary historical context, and the demands of ideology. Same as FIS 446 Notes: This course is crosslisted with HIST 446. Credit at the 600-level requires additional work.

HIST 647 - Revolutionary Russia 1905-1921 Credits 3
Detailed analysis of the crisis of autocracy, the First World War, the Bolshevik seizures of power, and the early years of the proletarian dictatorship. Examines the experiment in parliamentary politics, the emerging nationalist movements in the empire's periphery, the institutionalization and extension of violence during the World War, revolutionary and Marxist ideologies, peasant revolt, and the reasons for Bolshevik victory during the civil war. Notes: This course is crosslisted with HIST 447. Credit at the 600-level requires additional work.

HIST 648 - Asian American History Credits 3
Examines the Asian American experience from the nineteenth century until the present with an emphasis on activities in the American West. Notes: This course is crosslisted with HIST 448. Credit at the 600-level requires additional work.

HIST 649A - History of Japan to 1800 Credits 3
Analysis and interpretation of Japanese history to 1800. Examines political and intellectual leaders and events, social and cultural developments, economic forces and foreign relations. Notes: This course is crosslisted with HIST 449A. Credit at the 600-level requires additional work.

HIST 649B - History of Japan since 1800 Credits 3
Analysis and interpretation of Japanese history since 1800. Examines political and intellectual leaders and events, social and cultural developments, economic forces and foreign relations. Notes: This course is crosslisted with HIST 449B. Credit at the 600-level requires additional work.

HIST 649C - Topics in Japanese History Credits 3
In-depth study of selected aspects of Japanese history. Notes: This course is crosslisted with HIST 449C. Credit at the 600-level requires additional work. May be repeated to a maximum of 6 credits.

HIST 652A - Popular Culture in Nineteenth-Century America Credits 3
History of popular culture in the United States. Concept of culture scrutinized. Key themes include the development of market culture, the creation of an American aesthetic, sensationalism of public life, and creation of a cultural hierarchy. Notes: This course is crosslisted with HIST 452A. Credit at the 600-level requires additional work.

HIST 652B - Popular Culture in Twentieth-Century America Credits 33
History of popular culture in the recent United States. Key themes include the growth of mass media and mass culture, debates over the merits and effects of popular culture, and the relationship of so-called highbrow and lowbrow culture. Notes: This course is crosslisted with HIST 452B. Credit at the 600-level requires additional work.

HIST 653 - Women in Politics Credits 3
History of women in U.S. politics beginning with the suffrage movement and concluding with the most recent election. Topics include women as candidates, in office, as administrators, as lobbyists and as political activists. Concludes with a section on so-called "women's issues," choice, domestic violence, child support, day care, women's health and current issues. Same as PSC 401J & WMST 401J Notes: This course is crosslisted with HIST 435. Credit at the 600-level requires additional work.

HIST 655A - History of China to 1800 Credits 3
Analysis and interpretation of Chinese history to 1800. Examines political and intellectual leaders and events, social and cultural developments, economic forces and foreign relations. Notes: This course is crosslisted with HIST 455A. Credit at the 600-level requires additional work.

HIST 655B - History of China since 1800 Credits 3

Analysis and interpretation of Chinese history since 1800. Examines political and intellectual leaders and events, social and cultural developments, economic forces and foreign relations. Notes: This course is crosslisted with HIST 455B. Credit at the 600-level requires additional work.

HIST 655C - Topics in Modern China Credits 3

In-depth study of aspects of modern China. Each year a different theme, such as "Reform, Rebellion, and Revolution" or "Twentieth-Century China." Notes: This course is crosslisted with HIST 455C. Credit at the 600-level requires additional work.

HIST 656 - Topics in Ancient History Credits 3

Explores varied topics in the ancient Greco-Roman world from a historical perspective. Topics may include religious ideas and practices; class, status, and cultural identity; or the relation between literary production and culture. Develops skills of analysis, interpretation, and exposition of significant historical fields. Notes: This course is crosslisted with HIST 456. Credit at the 600-level requires additional work. May be repeated to a maximum of six credits.

HIST 657 - Ancient Greek Civilization Credits 3

History of Greece and Hellenic civilization from the end of prehistoric times until the Roman conquest. Notes: This course is crosslisted with HIST 457. Credit at the 600-level requires additional work.

HIST 658 - Roman Civilization Credits 3

Analyzes all aspects of Roman history from earliest times to the late antique period, with central attention to the politics and society of the later Republic and how Rome became the monarchy of the Caesars. Notes: This course is crosslisted with HIST 458. Credit at the 600-level requires additional work.

HIST 659 - Medieval Civilization Credits 3

The department also offers a large number of undergraduate courses which are open to graduate students at the 600-level. Among these are courses which reflect the specializations of our faculty. Graduate students enrolled in such courses will ordinarily be expected to complete a special project. A full description of this course may be found in the Undergraduate catalog under the corresponding 400 number.

HIST 659A - Topics in Medieval History Credits 3

Examines selected topics in medieval history in depth and detail. Topics may include the Crusades; the family, marriage and sexuality; the Middle Ages in film and fact; and science, technology and magic. Notes: This course is crosslisted with HIST 459A. Credit at the 600-level requires additional work.

HIST 660A - The Renaissance Credits 3

Development of new forms of art, culture, religious expression, political thought, urban organization, economic practice, and family structure from the end of the Middle Ages to the beginnings of the modern era. Notes: This course is crosslisted with HIST 460A. Credit at the 600-level requires additional work.

HIST 660B - The Reformation Credits 3

Europe from the emergence of Protestantism to the outbreak of the Thirty Years War. Breakup of the medieval ideal of a united Christendom, mainstream and radical Protestantism, impact of religious warfare, changing attitudes toward high and popular culture. Notes: This course is crosslisted with HIST 460B. Credit at the 600-level requires additional work.

HIST 661 - Europe in the 18th Century Credits 3

Advanced study of eighteenth-century European cultural, intellectual, social and political history. Includes Enlightenment ideas ("progress, the "pursuit of happiness" and the quest for "virtue"); constitutional and absolutist government; commercial capitalism; changes to the traditional social order; nationalism and patriotism; religious toleration; and the advent of print culture. Notes: This course is crosslisted with HIST 461. Credit at the 600-level requires additional work.

HIST 661B - Early Modern Europe: 1550-1789 Credits 3

Development of the economic, political, social, and cultural patterns of Europe during the Age of Reason and the Age of Enlightenment. Notes: This course is crosslisted with HIST 461B. Credit at the 600-level requires additional work.

HIST 662 - The French Revolution and Napoleon Credits 3

Study of France during the last stages of the old regime; the revolution; and the rise and fall of Napoleon Bonaparte. Notes: This course is crosslisted with HIST 462. Credit at the 600-level requires additional work.

HIST 663 - Europe: 1815-1914 Credits 3

Detailed study of the development of the economic, political, social, and cultural patterns of Europe from Waterloo to the outbreak of World War I. Notes: This course is crosslisted with HIST 463. Credit at the 600-level requires additional work.

HIST 664 - Europe: 1914 to the Present Credits 3

Detailed analysis of the First World War, the Versailles settlement, the Russian revolution, the emergence of Fascism and Nazism, the Second World War, the Cold War, European reconstruction, the Eastern European Revolutions, the development of consumer societies, European economic integration, the end of communism, and the wars of Yugoslav succession. Notes: This course is crosslisted with HIST 464. Credit at the 600-level requires additional work.

HIST 664A - Topics in Modern European History Credits 3

Examines selected topics in modern European history in depth and detail. Notes: May be repeated to a maximum of six credits. This course is crosslisted with HIST 464A. Credit at the 600-level requires additional work. Prerequisites: Graduate standing.

HIST 666 - European Diplomatic History, 1815-Present Credits 3

Examines politics and diplomacy in Europe from the Congress of Vienna to the present. Topics include the "Spring of Nations" in 1848, the unification of Germany in 1871, the outbreaks of World War I, World War II, and the Cold War. Notes: This course is crosslisted with HIST 466. Credit at the 600-level requires additional work.

HIST 668 - History of Science Credits 3

Study of the major scientific and technological advances since medieval times and their impact on society. Presented in a non-technical manner. Notes: This course is crosslisted with HIST 468. Credit at the 600-level requires additional work.

HIST 670 - History of Mexico Credits 3

Study of the development of Mexican civilization, examining the Maya and Aztec background and emphasizing the Spanish conquest, colonial institutions, the independence movement and the problems of nationhood, the Mexican Revolution of 1910, and contemporary issues. Notes: This course is crosslisted with HIST 470. Credit at the 600-level requires additional work.

HIST 671 - Revolution and Reaction in Contemporary Latin America Credits 3

Study of major political movements, leaders, and trends in Latin America from the Cuban Revolution to the present day. Notes: This course is crosslisted with HIST 471. Credit at the 600-level requires additional work.

HIST 672 - History of Brazil Credits 3
Development of Brazil from the beginning of Portuguese colonization to the present, with emphasis on colonial institutions, territorial expansion, slavery and race relations, political evolution, and recent social and economic problems. Notes: This course is crosslisted with HIST 472. Credit at the 600-level requires additional work.

HIST 673 - History of the Andean Region Credits 3
Central and southern Andes from the Inca period to the present: the Inca Empire, the Spanish conquest, colonial society and institutions, the independence movements, and the republics of Peru, Bolivia, and Chile, with emphasis on reform and revolution in the twentieth century. Notes: This course is crosslisted with HIST 473. Credit at the 600-level requires additional work.

HIST 674 - Latin American Ethnic Studies Credits 3
Cultural study of pre-Columbian and early colonial institutions in Mesoamerica and the Andes with emphasis on the information gathered from indigenous chronicles and early documents. Notes: This course is crosslisted with HIST 474. Credit at the 600-level requires additional work.

HIST 675 - Modern Latin American Film Credits 3
Cinematic treatments of modern Latin American socio-historical issues. Topics include industrialization, dictatorship and repression, redemocratization, and minority rights. Analysis of the Cinema Novo (Cinema Nueva) and post-Cinema Novo genres. Emphasis on Brazilian, Argentine, and Cuban films of the 1970s and 1980s. Same as FIS 475 Notes: This course is crosslisted with HIST 475. Credit at the 600-level requires additional work.

HIST 676 - The Mexican Revolution Credits 3
Study of the origins, major events and personalities, and aftermath of the Mexican Revolution of 1910, tracing Mexico's political development to modern times. Notes: This course is crosslisted with HIST 476. Credit at the 600-level requires additional work.

HIST 677B - Topics in African History Credits 3
Topical and general courses on Africa, including the continent and diaspora, regions, peoples, and eras Notes: May be repeated to a maximum of six credits. Grading Letter grade Prerequisites: Graduate standing in history or instructors approval.

HIST 678A - Islamic and Middle Eastern History to 1750 Credits 3
An examination of the rise and development of Islamic civilization from its inception in the seventh century up into the early modern period. It presents the diversity of Islamic civilization as it evolved over time, as well as the historical contexts of both the Islamic heartland and its surrounding regions. Notes: This course is crosslisted with HIST 478A. Credit at the 600-level requires additional work.

HIST 678B - Islamic and Middle Eastern History since 1750 Credits 3
An examination of the Middle East from the 18th century to recent times. The predominant focus will be on how the indigenous leadership and peoples of the region grappled with the challenges posed by the advent of the modern world. Notes: This course is crosslisted with HIST 478B. Credit at the 600-level requires additional work.

HIST 679 - History of the British Empire Credits 3
Explores the history of the British Empire from its beginnings to decolonization and analyzes the social, cultural, and intellectual foundations of imperial Britain. The emergence of Great Britain as an imperial power considered within the larger context of concerns about race, class, and gender. Notes: This course is crosslisted with HIST 479. Credit at the 600-level requires additional work.

HIST 679A - West Africa and the Making of the Atlantic World Credits 3
Explores how West Africa contributed to the cultural and economic development of the Atlantic world and how European contact and interaction contributed to West Africa's development and underdevelopment. Notes: This course is crosslisted with HIST 479A. Credit at the 600-level requires additional work.

HIST 682 - Music History I

The department also offers a large number of undergraduate courses which are open to graduate students at the 600-level. Among these are courses which reflect the specializations of our faculty. Graduate students enrolled in such courses will ordinarily be expected to complete a special project. A full description of this course may be found in the Undergraduate catalog under the corresponding 400 number.

HIST 683 - Music History II

The department also offers a large number of undergraduate courses which are open to graduate students at the 600-level. Among these are courses which reflect the specializations of our faculty. Graduate students enrolled in such courses will ordinarily be expected to complete a special project. A full description of this course may be found in the Undergraduate catalog under the corresponding 400 number.

HIST 683A - Urban Destruction and Reconstruction Credits 3

Study of populations, cityscapes, and infrastructures in cities wounded by acts of warfare, terrorism, and natural disasters, as well as by social, environmental, and economic decline. Analyzes urban renewal and reconstruction efforts and counter-terrorism policies and their effect on the strategic, geopolitical role of cities. Notes: This course is crosslisted with HIST 483A. Credit at the 600-level requires additional work.

HIST 685 - Oral History Credits 3
Focuses on the techniques of oral history and integration of the material into a historical paper. Topics vary. Notes: This course is crosslisted with HIST 485. Credit at the 600-level requires additional work

HIST 686 - Military History of the United States

The department also offers a large number of undergraduate courses which are open to graduate students at the 600-level. Among these are courses which reflect the specializations of our faculty. Graduate students enrolled in such courses will ordinarily be expected to complete a special project. A full description of this course may be found in the Undergraduate catalog under the corresponding 400 number.

HIST 687 - Topics in American Studies Credits 3
Interdisciplinary analysis of selected topics in American history, literature, art, science and material culture. Topics vary from semester to semester. Notes: This course is crosslisted with HIST 487R. Credit at the 600-level requires additional work.

HIST 689 - Comparative History Credits 3
Study of a historical problem by examining its development in different countries and epochs. Possible topics include slavery, industrialization, and ideology. Notes: This course is crosslisted with HIST 489. Credit at the 600-level requires additional work.

HIST 691A - Women in the Ancient World Credits 3
Explores women's varied roles in the ancient Near East, Greece and Rome. Examination of women's participation in religion, politics and the family as well as representations of women in myth, art, philosophy, medicine, and literature. Notes: This course is crosslisted with HIST 491A. Credit at the 600-level requires additional work.

HIST 691B - Women in Medieval Culture and Society
Credits 3

Explores medieval women's experiences as religious leaders, workers, queens and ladies of the manor, and as mothers, wives and daughters. Special attention will be paid to women's voices expressed in letters and autobiography, literature, historical records and art. Notes: This course is crosslisted with HIST 491B. Credit at the 600-level requires additional work.

HIST 692A - Women In Early Modern Europe Credits 3

Explores the roles of women during the Renaissance, Reformation, and the early modern period. Topics include women and work, women's participation in the creation of culture and religion, and the European witch-hunts. Notes: This course is crosslisted with HIST 492A. Credit at the 600-level requires additional work.

HIST 692B - Woman's Role in European History: 1750-1970 Credits 3

Analysis and interpretation of women's roles in the modern world. Topics include the emergence of feminism and the international women's movement; the impact of industrialization on work and the family; constructions of gender, sexuality and motherhood. Notes: This course is crosslisted with HIST 492B. Credit at the 600-level requires additional work.

HIST 695 - Special Topics in Gender and History Credits 3

Study of a selected topic concerning gender and history. Notes: This course is crosslisted with HIST 495. Credit at the 600-level requires additional work.

HIST 696 - Philosophy of History Credits 3

Theory, epistemology, and methodology of historiography, dealing with such questions as the nature, aims, and methods of history; its status as a science; the legitimacy of the so-called speculative philosophy of history; and the structure of historical knowledge. Same as PHIL 437 Notes: This course is crosslisted with HIST 496. Credit at the 600-level requires additional work.

HIST 698 - Advanced Historical Studies Credits 1-4

Study of the historical origins and aspects of selected contemporary issues. Notes: This course is crosslisted with HIST 498. Credit at the 600-level requires additional work.

HIST 710 - The Professional Historian Credits 1

Provides information and workshops for History graduate students on grant writing, conference paper abstract writing, job applications, research grant applications, etc. to develop professional skills beyond coursework. Discussion of aspects of the historical profession.

HIST 724 - Colloquium in American Cultural/Intellectual History Credits 3

Specific topic or theme announced each semester and related bibliography provided. Group sessions critique this literature and evaluate historiographical status of authors. Notes: Several short papers, designed to give training in critical analysis, required. May be repeated to a maximum of nine credits. Prerequisites: Graduate standing.

HIST 725 - Seminar in American Cultural/Intellectual History Credits 4

Topic to be announced each semester. Notes: May be repeated to a maximum of twelve credits. Prerequisites: Graduate standing

HIST 726 - Colloquium in American Western History
Credits 3

Specific topic or theme announced each semester and related bibliography provided. Group sessions critique literature and evaluate the historiographical status of authors. Several short papers, designed to give training in critical analysis, required. Notes: May be repeated to a maximum of nine credits. Prerequisites: Graduate standing.

HIST 727 - Research Seminar in American Western History Credits 4

Topic to be announced each semester. Notes: May be repeated to a maximum of 12 credits. Prerequisites: Graduate standing.

HIST 728 - Colloquium in European Cultural/Intellectual History Credits 3

Analysis of the historical literature on a selected topic in European intellectual/cultural history. Notes: May be repeated to a maximum of nine credits. Prerequisites: Graduate standing.

HIST 729 - Research Seminar in European Cultural/Intellectual History Credits 4

Topic to be announced each semester. Notes: May be repeated to a maximum of twelve credits. Prerequisites: Graduate standing.

HIST 730 - Colloquium in American History Credits 3

Specific topic or theme to be announced and related bibliography provided. Course focuses on critical analysis and historiographical evaluation of the literature. a) Early America. b) Nineteenth Century. c) Twentieth Century. d) Diplomatic. e) Economic. f) Gender. h) Legal. i) Political. j) Race. k) Religion. l) Social. Notes: May be repeated to a maximum of nine credits. Prerequisites: Graduate standing.

HIST 731 - Research Seminar in American History Credits 4

Topic to be announced each semester. a) Early America. b) Nineteenth Century. c) Twentieth Century. d) Diplomatic. e) Economic. f) Gender. h) Legal. i) Political. j) Race. k) Religion. l) Social. Notes: May be repeated to a maximum of twelve credits. Prerequisites: Graduate standing.

HIST 732 - Colloquium in European History Credits 3

Analysis of the historical literature on a selected topic in European history. a) England. b) The French Revolution and Napoleon. c) Modern Russia. d) Germany. e) Medieval History. f) Europe since 1945. Notes: May be repeated to a maximum of nine credits. Prerequisites: Graduate standing.

HIST 733 - Research Seminar in European History Credits 4

Topic to be announced each semester. a) England. b) The French Revolution and Napoleon. c) Modern Russia. d) Germany. e) Medieval. f) Europe since 1945. Notes: May be repeated to a maximum of twelve credits. Prerequisites: Graduate standing.

HIST 734 - Colloquium in Modern Asian History Credits 3

Analysis of the historical literature on a selected topic in modern Asia. Notes: May be repeated to a maximum of nine credits. Prerequisites: Graduate standing.

HIST 735 - Research Seminar in Modern Asian History Credits 4

Topic to be announced. Notes: May be repeated to a maximum of twelve credits. Prerequisites: Graduate standing.

HIST 736 - Colloquium in Modern Latin American History
Credits 3

Analysis of the historical literature on a selected topic in modern Latin America. Topics to be announced. Notes: May be repeated to a maximum of nine credits. Prerequisites: Graduate standing.

HIST 737 - Research Seminar in Modern Latin American History Credits 4

Topics to be announced. Notes: May be repeated to a maximum of twelve credits. Prerequisites: Graduate standing.

HIST 738 - Colloquium in African and Middle Eastern History Credits 3

Analysis of the historical literature on a selected topic in Africa and/or the Middle East.

HIST 739 - Research Seminar in African and Middle Eastern History Credits 4

Topic to be announced. Notes: May be repeated to a maximum of twelve credits.

HIST 740 - Historiography Credits 3

Lectures, readings, and discussions on the history of historical thought. a) United States-Domestic. b) Europe. c) Modern Asia. d) Modern Latin America. e) United States-iplomatic. f) American West. g) United States (cultural/intellectual). h) European (cultural/intellectual). Notes: May be repeated to a maximum of nine credits. Prerequisites: Graduate standing.

HIST 741 - Colloquium in Transnational History Credits 3

Specific topic or theme to be announced and related bibliography provided. Course focuses on critical analysis and historiographical evaluation of the literature. Notes: May be repeated to a maximum of 9 credits. Prerequisites: Graduate standing

HIST 742 - Seminar in Transnational History Credits 4

Topic to be announced each semester. Notes: May be repeated to a maximum of 12 credits. Prerequisites: Graduate standing.

HIST 748 - History and Policy Credits 3

Interdisciplinary historical analysis of American policy formation and failed versus workable policy ideas. Areas of investigation include policy studies in fields such as labor, urban development, minorities and diplomacy. Prerequisites: Graduate standing.

HIST 749 - Colloquium in Public History Credits 3

Practical as well as theoretical introduction to the techniques, methodologies and practices of historians in non-academic settings, including historic preservation, museums, oral history, historical sites, government agencies. Prerequisites: Graduate standing.

HIST 750 - Methods for the Study of Public History Credits 3

Study of methods emphasizing those historical techniques and auxiliary sciences which are most appropriate for the study of public history. Prerequisites: Graduate standing.

HIST 751 - Museums and American Culture Credits 3

Theoretical and practical introduction to issues involved in history museums. Evolving role of museums in American society; organizational, ethical, and interpretive issues; the tension between power and the production of knowledge and memory. Emphasis on curatorial practice including researching and interpreting material culture. Prerequisites: Graduate standing.

HIST 752 - Modern Archives: Theory and Methodology Credits 3

Introduction to theoretical principles, methodologies and processing of archives and manuscripts, institutional programs that care for them, and professional community supporting this work. For students interested in the practice of public history in a variety of historical agencies or organizations. Prerequisites: Graduate standing.

HIST 754 - Topics in Public History Credits 3

Practical and theoretical course exploring the varieties of public history. Prerequisites: Graduate standing.

HIST 760 - Advanced Studies in History Credits 1 – 3

Supervised readings on special topics selected in consultation with a history instructor. Notes: May be repeated to a maximum of six credits, unless otherwise approved by the department. Prerequisites: Graduate standing.

HIST 761 - Doctoral Independent Study Credits 1 – 3

Supervised readings on special topics selected in consultation with a history instructor. Notes: May be repeated to a maximum of twelve credits, unless otherwise approved by the department. Prerequisites: Graduate standing.

HIST 788 - Comprehensive Exam Preparation Credits 3

This course organizes the preparation process for comprehensive exams. A student, in conjunction with one of the members of his/her advisory committee, will follow a rigorous schedule of reading, question preparation, and preparatory writing.

HIST 789 - Dissertation Prospectus Credits 3

This course organizes the preparation and defense of the dissertation prospectus. The student, in conjunction with the members of his/her advisory committee will follow a rigorous schedule of research and writing to prepare the prospectus for the prospectus colloquium.

HIST 790 - Thesis Credits 3 – 6

Research, analysis, and writing towards completion of thesis and subsequent defense. Notes: May be repeated, but only six credits applied to the student's program. Grading S/F grading only. Prerequisites: Graduate standing.

HIST 790A - Materials for Teaching History Credits 3

Capstone course for the Master of Arts in Teaching History co-taught by History and Curriculum and Instruction faculty. Builds on historical content, original research and pedagogical skills geared to the creation of middle and high school history classroom units. Prerequisites: 700-level HIST colloquium and 700-level HIST research seminar.

HIST 791 - Dissertation Credits 3 – 6

Research analysis and writing towards completion of dissertation and subsequent defense. Notes: May be repeated, but only 12 credits applied to the student's program. Grading S/F grading only. Prerequisites: Graduate standing.

HIST 795 - Internship in Public History Credits 3

Supervised internship is an integral part of the Public History track. Internships provide students with practical insights into potential historical employment. Private sector or institutional supervisors provide mentoring relationships and introduce students to the professional networks common to the public historian's work environment. Notes: May be repeated to a maximum of six credits. Prerequisites: Graduate standing.

Philosophy

Most disciplines have their origins in philosophy, and philosophy still underlies them all. Nevertheless, certain questions are enduringly philosophical — peculiarly fundamental questions concerning the ultimate nature of values, knowledge, and reality. Philosophy thus investigates general topics of human interest: morality and the good life, law and the political life, God and the sacred, good and bad reasoning, evidence and discovery, art and the beautiful. Studying philosophy requires learning how to listen and how to discuss; it involves sifting through ideas and articulating thoughts in ways that others can follow. It is little wonder, therefore, that not only is a degree in philosophy valuable in itself, but it is also widely recognized as an excellent preparation for careers in academics, law, medicine, and even business.

David Beisecker, Ph.D., Chair

Philosophy Faculty

Chair

Beisecker, David - Full Graduate Faculty
Associate Professor; B.A., Washington
University; Ph.D., University of Pittsburgh.

Graduate Faculty

Dove, Ian - Full Graduate Faculty
Associate Professor.

Forman, David - Full Graduate Faculty
Associate Professor; Ph.D., University of Chicago.

Janssen, Greg - Associate Graduate Faculty
Lecturer/Faculty-in-Residence.

Jones, Todd - Full Graduate Faculty
Professor.

Lindland, Erik - Associate Graduate Faculty
Lecturer/Faculty-in-Residence.

Ramsey, William - Full Graduate Faculty
Associate Professor.

Schollmeier, Paul - Full Graduate Faculty
Professor; B.A., University of Chicago; M.A., University
of Chicago; Ph.D., University of Chicago.

Woodbridge, James - Full Graduate Faculty
Associate Professor.

Professor Emereti

Finocchiaro, Maurice
Emeritus Professor.

Rosenbaum, Stephen
Emeritus Professor.

Philosophy Courses

PHIL 601 - Ancient Philosophy Credits 3
Philosophy from the pre-Socratics to Plotinus, including the Sophists, Plato, Aristotle, the Epicureans, Stoics, Skeptics, and early Christian writers. Notes: This course is crosslisted with PHIL 401. Credit at the 600-level requires additional work.

PHIL 603 - Early Modern Philosophy Credits 3
Renaissance and early modern philosophy from the Italian Renaissance to Kant, including such figures as Leonardo, Pico, Erasmus, Luther, Montaigne, Descartes, Bacon, Hobbes, Spinoza, Locke, Leibniz, Vico, Berkeley, Hume, and Kant. Notes: This course is crosslisted with PHIL 403. Credit at the 600-level requires additional work.

PHIL 604 - 19th Century Philosophy Credits 3
Study of the major philosophers and philosophical currents of the nineteenth century introduced first by Kant's critical period; the movement from Kant through Hegel's absolute idealism; other important currents, including historical materialism (Marx), positivism (Comte), utilitarianism (Bentham, Mill), and pragmatism (C.S. Peirce). Notes: This course is crosslisted with PHIL 404. Credit at the 600-level requires additional work.

PHIL 605 - Contemporary Philosophy Credits 3
Study of the movements of twentieth-century thought: Vitalism, neo-Kantianism, dialectical materialism, phenomenology, existentialism, neopositivism, analysis, neo-Thomism, and American naturalism and pragmatism. Notes: This course is crosslisted with PHIL 405. Credit at the 600-level requires additional work.

PHIL 606 - American Philosophy..... Credits 3
Development of philosophy in America from the Transcendentalists and the St. Louis School through Royce, Peirce, James, Dewey, and Santayana. Notes: This course is crosslisted with PHIL 406. Credit at the 600-level requires additional work.

PHIL 615 - Kant Credits 3
Intensive study of one or more of Kant's major writings; e.g., the Critique of Pure Reason, Critique of Practical Reason, Critique of Judgement, Metaphysics of Morals. Notes: This course is crosslisted with PHIL 415. Credit at the 600-level requires additional work.

PHIL 622 - Advanced Logic Credits 3
Study of formal logic through first-order logic with identity, Soundness, completeness, compactness and other metatheorems. Other topics may include computability, modal logic, epistemic logic, many-valued logic, the logic of conditionals, higher-order logics, infinitary logics or non-monotonic logics, number theory, Godel's theorems, and the limits of logicism. Notes: This course is crosslisted with PHIL 422. Credit at the 600-level requires additional work.

PHIL 625 - Philosophy of Language Credits 3
Nature, acquisition and structure of language, including such philosophical issues as meaning, reference, speech acts and semantics. Notes: This course is crosslisted with PHIL 425. Credit at the 600-level requires additional work.

PHIL 630 - Philosophy of Science Credits 3
Study of the nature of scientific method and theory construction, and of causality, explanation, determinism, indeterminism, and probability. Notes: This course is crosslisted with PHIL 430. Credit at the 600-level requires additional work.

PHIL 631 - History of Scientific Thought Credits 3

Study of selected topics in the history of science, such as the impact of Euclidean geometry, the Copernican Revolution, the origin of modern science, the development of non-Euclidean geometry, the transition from classical to modern physics and the rise of evolutionary biology.

PHIL 634 - Philosophy Cognitive Science Credits 3

Critical assessment of interdisciplinary approaches to topics such as the philosophy of: innate knowledge, memory, mental representation, artificial intelligence, rationality, intentionality, and parallel computation. Notes: This course is crosslisted with PHIL 434. Credit at the 600-level requires additional work.

PHIL 640 - Theory of Knowledge Credits 3

Study of how we know. Includes such problems as belief, evidence, perception, skepticism, and other minds. Notes: This course is crosslisted with PHIL 440. Credit at the 600-level requires additional work.

PHIL 641 - Metaphysics Credits 3

Study of theories of being, including such problems as substance, emanation, participation, essence, universals, process and time. Covers such philosophers as Aristotle, Plotinus, Leibniz, Whitehead, and Heidegger. Notes: This course is crosslisted with PHIL 441. Credit at the 600-level requires additional work.

PHIL 650 - Ethical Theory Credits 3

Study of philosophical theories of human conduct and character, together with relations of ethical theory and moral action. Notes: This course is crosslisted with PHIL 450. Credit at the 600-level requires additional work.

PHIL 652 - Aesthetics Credits 3

Study of aesthetic standards, the nature of art and artistic creativity, and the function of art in human experience. Notes: This course is crosslisted with PHIL 452. Credit at the 600-level requires additional work.

Political Science

The Department of Political Science offers a master's degree program in political science and a doctoral degree program in political science. A description of each follows.

Master of Arts - Political Science

The Department of Political Science offers a general master of arts degree with concentrations in American politics (including public policy and public law), comparative politics, international relations, and political theory. Students can normally expect to complete the program in one-and-a-half to two years. The graduate program in political science is designed to prepare graduate students for doctoral studies, teaching positions at secondary schools and community colleges, or employment by government agencies, research centers, or private industry.

Doctor of Philosophy - Political Science

The Department of Political Science offers a general Ph.D. degree with concentrations in American politics (including public policy and public law), comparative politics, international relations, and political theory.

The Ph.D. program is intended to prepare its graduates for careers in academic institutions, government (at all levels), and business and industry.

David Damore, Ph.D., Chair

Christian Jensen, Ph.D., Graduate Coordinator

Political Science Faculty

Chair

Damore, David - *Full Graduate Faculty*

Professor; B.A., University of California, San Diego; M.A., University of Georgia; Ph.D., University of California, Davis. Rebel since 2000.

Graduate Coordinator

Jensen, Christian - *Full Graduate Faculty*

Associate Professor; B.A., Lawrence University; M.A., American University; Ph.D., University of California, Los Angeles. Rebel since 2012.

Graduate Faculty

Bowers, Michael - *Full Graduate Faculty*

Professor; B.A., Cameron University; M.A., Ph.D., University of Arizona. Rebel since 1984.

Bowling, Jeremy – *Graduate Instructor 1*

Assistant Professor in Residence; B.A., M.A. Eastern Illinois University; Ph.D., University of Missouri, Columbia. Rebel since 2018.

Fott, David S. - *Full Graduate Faculty*

Professor; B.A., Vanderbilt University; A.M., Ph.D., Harvard University. Rebel since 1992.

Gill, Rebecca - *Full Graduate Faculty*

Associate Professor; B.A., James Madison College at Michigan State University; Ph.D., Michigan State University. Rebel since 2008.

Howard, Tiffany - *Full Graduate Faculty*
Associate Professor; B.A., Florida A&M University; M.A.,
Ph.D., University of Michigan, Ann Arbor. Rebel since 2008.

Kopalyan, Nerses - *Graduate Instructor 1*
Assistant Professor in Residence; B.A., M.A., Ph.D.,
University of Nevada, Las Vegas. Rebel since 2016.

Kuenzi, Michele - *Full Graduate Faculty*
Associate Professor; B.A., Grinnell College;
M.P.A., Wayne State University; Ph.D., Michigan
State University. Rebel since 2004.

Landis, Steven - *Full Graduate Faculty*
Assistant Professor; B.A., Eastern Michigan
University; M.A., Ph.D., Pennsylvania
State University. Rebel since 2017.

Lee, Daniel J. - *Full Graduate Faculty*
Assistant Professor; B.S., University of Wisconsin at
Madison; M.A., Ph.D., Duke University. Rebel since 2015.

Lutz, Mark - *Full Graduate Faculty*
Associate Professor; B.A., University of Chicago; M.A.,
Ph.D., University of Toronto. Rebel since 2006.

Maltby, Elizabeth - *Full Graduate Faculty*
Assistant Professor; B.A., Grinnell College; M.A.,
Ph.D., University of Iowa. Rebel since 2017.

Miller, Kenneth - *Full Graduate Faculty*
Assistant Professor; B.A., Cleveland State
University; M.A.P., University of Akron; PhD,
University of Texas Austin. Rebel since 2019

Phelps, Martha - *Graduate Instructor 1*
Assistant Professor in Residence; B.A., University
of California Santa Cruz; M.A., Norwich University;
PhD University of Miami. Rebel since 2019.

Strand, Jonathan - *Full Graduate Faculty*
Professor; B.S., University of Wisconsin-Platteville; M.A.,
Ph.D., University of Nebraska, Lincoln. Rebel since 2001.

Tamadonfar, Mehran - *Full Graduate Faculty*
Professor; B.A., M.A., University of Tehran; Ph.D.,
University of Colorado, Boulder. Rebel since 1987.

Tuman, John - *Full Graduate Faculty*
Professor; B.A., University of California, Berkeley;
M.A., University of Chicago; Ph.D., University of
California, Los Angeles. Rebel since 2001.

Wang, Austin - *Full Graduate Faculty*
Assistant Professor; B.S., M.A., National Taiwan
University; Ph.D., Duke University. Rebel since 2018.

Professors Emeriti

Jones, Gary L.
Emeritus Associate Professor; A.A., Long Beach City
College; B.A., Long Beach State College; Ph.D.,
Claremont Graduate School. UNLV Emeritus 1969-2002.

Parker, Steven
Emeritus Associate Professor; B.A., Assumption
College; M.A., Ph.D., State University of New
York, Albany. UNLV Emeritus 1979-2017.

Pirages, Dennis
Emeritus Professor; B.A., State University of Iowa;
Ph.D., Stanford University. UNLV Emeritus 2009-2016.

Simich, Jerry L.
Emeritus Associate Professor; B.A., California State
University, Long Beach; Ph.D., University of California,
Santa Barbara. UNLV Emeritus 1973-2008.

Titus, Dina
Emeritus Professor; B.A., College of William
and Mary; M.A., University of Georgia; Ph.D.,
Florida State University. UNLV 1977-2011.

Plans

Master of Arts - Political Science

Doctor of Philosophy - Political Science

Master of Arts - Political Science

Plan Description

The Department of Political Science offers a general Master of Arts degree with concentrations in American politics (including public policy and public law), comparative politics, international relations, and political theory. Students can normally expect to complete the program in from one-and-a-half to two years. The graduate program in political science is designed to prepare graduate students for doctoral studies, teaching positions at secondary schools and community colleges, or employment by government agencies, research centers, or private industry.

For more information about your program, including your graduate program handbook and learning outcomes, please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

Post-Bachelor's Professional Paper Track Admission Requirements:

1. The following department application materials must be uploaded into the online application:
 1. Graduate Record Examination (GRE) General Test scores
 2. ... Two letters of recommendation by recommendation providers (academic references preferred)
 3. .. A personal statement explaining why you want to enter the Master's program
2. Applicants must possess a baccalaureate from a regionally accredited institution with a minimum GPA of 3.00.
3. Applicants must submit satisfactory GRE General Test scores. Minimum scores are 153 on the verbal and 144 on the quantitative sections of the exam; we also consider the analytical writing score. In unusual circumstances, students who do not meet the above criteria may still be admitted.

Integrated BA-MA Professional Paper Track Admission Requirements:

Accomplished UNLV undergraduates may apply for an Advanced Program Track after completion of 75 credit hours (Junior Standing). Students must meet all of the

following criteria to be eligible for the Advanced Program Track:

1. 75 credit hours (Junior Standing)
2. Completion of at least 13 Political Science undergraduate credits including: PSC 101, PSC 200, PSC 211, PSC 231.
3. The student must have earned a GPA within the Political Science Major of at least 3.5.
4. Submission of two letters of recommendation from professors (at least one of which must be from a UNLV Political Science Department faculty member) and a completed Enrollment Request form to the Political Science department no less than two weeks before the beginning of the semester for which they would like to register for graduate courses.
5. Department chair AND Graduate coordinator's approval OR Approval by the Graduate Studies Committee.

All admissions to Subplan 2 (Integrated BA-MA Professional Paper Track) will be conditional on earning a B or better in the 700 level courses in which they are enrolled while in undergraduate status.

All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

See Subplan Requirements below.

Subplan 1: Post-Bachelor's Professional Paper Track
Subplan 2: Integrated BA-MA Professional Paper Track

Subplan 1 Requirements: Post-Bachelor's Professional Paper Track

Total Credits Required: 30

Course Requirements

Methods in Political Science – Credits: 6

- PSC 701 - Research Design and Methodology
- PSC 702 - Advanced Quantitative Methods I

Proseminar Courses – Credits: 12

- PSC 710R - Proseminar in American Politics
- PSC 740 - Proseminar in International Relations
- PSC 760R - Proseminar in Comparative Politics
- PSC 780R - Proseminar in Political Theory

Major Field of Study Courses – Credits: 6

In consultation with your advisor select and complete 6 credits from one of the areas listed below:

American Politics

- PSC 713 - American National Government: Principles
- PSC 714 - American National Government: Structure and Processes
- PSC 719 - Advanced Studies in American Politics
- PSC 721 - Public Policy Process
- PSC 723 - Policy Analysis
- PSC 729 - Advanced Studies in Public Policy
- PSC 732 - Constitutional Law
- PSC 739 - Advanced Studies in Public Law

International Relations

- PSC 741 - U.S. Foreign Policy
- PSC 746 - Middle East in World Affairs
- PSC 747 - Pacific Rim in World Affairs
- PSC 751 - International Political Economy
- PSC 754 - Global Governance
- PSC 755 - International Security
- PSC 759 - Advanced Studies in International Relations

Comparative Politics

- PSC 761 - Middle Eastern and North African Politics
- PSC 762 - African Politics
- PSC 763 - European Politics
- PSC 764 - Latin American Politics
- PSC 767 - Comparative Democratization
- PSC 775 - Comparative Political Behavior
- PSC 779R - Advanced Studies in Comparative Politics
- Political Theory
- PSC 781 - Political Theory before 1500
- PSC 782R - Political Theory from 1500 to 1900
- PSC 783 - Political Theory since 1900
- PSC 789R - Special Topic: Advanced Studies in Political Theory

Directed Reading – Credits: 6

PSC 795 - Directed Readings in Political Science

Subplan 2 Requirements: Integrated BA-MA Professional Paper Track

Total Credits Required: 21

Course Requirements

Methods in Political Science - Credits 3-6

If PSC 701 is taken while students are in the BA program, it will be waived.

- PSC 701 - Research Design and Methodology
- PSC 702 - Advanced Quantitative Methods I

Proseminar Courses - Credits: 3-6

Students will take 2-3 of the following courses while in the BA program. Those courses will be waived.

- PSC 710R - Proseminar in American Politics
- PSC 740 - Proseminar in International Relations
- PSC 760R - Proseminar in Comparative Politics
- PSC 780R - Proseminar in Political Theory

Major Field of Study Courses - Credits: 6

American Politics

- PSC 713 - American National Government: Principles
- PSC 714 - American National Government: Structure and Processes
- PSC 719 - Advanced Studies in American Politics
- PSC 721 - Public Policy Process
- PSC 723 - Policy Analysis
- PSC 729 - Advanced Studies in Public Policy
- PSC 732 - Constitutional Law
- PSC 739 - Advanced Studies in Public Law

International Relations

- PSC 741 - U.S. Foreign Policy
- PSC 746 - Middle East in World Affairs
- PSC 747 - Pacific Rim in World Affairs
- PSC 751 - International Political Economy
- PSC 754 - Global Governance
- PSC 755 - International Security
- PSC 759 - Advanced Studies in International Relations

Comparative Politics

- PSC 761 - Middle Eastern and North African Politics
- PSC 762 - African Politics
- PSC 763 - European Politics
- PSC 764 - Latin American Politics
- PSC 767 - Comparative Democratization
- PSC 775 - Comparative Political Behavior
- PSC 779R - Advanced Studies in Comparative Politics

Political Theory

- PSC 781 - Political Theory before 1500
- PSC 782R - Political Theory from 1500 to 1900
- PSC 783 - Political Theory since 1900

- PSC 789R - Special Topic: Advanced Studies in Political Theory

Directed Readings in Political Science - Credits: 6

- PSC 795 - Directed Readings in Political Science

Degree Requirements

1. PSC 701 – Research Design and Methodology must be completed among the first 12 credits.
2. New students are assigned to the graduate coordinator for advising. Students will declare an advisor by submitting the Advisor Declaration Form to the Department before the completion of 12 credit hours. Each student must consult with his or her advisor and the graduate coordinator every semester before enrolling in courses.
3. A minimum of 30 credits to be completed must be pre-approved by the graduate coordinator to be counted toward the M.A. Each student must complete the six core courses (see below) as well as six credits (two courses) in one area of Political Science (American politics, comparative politics, international relations, or political theory); and six credits of PSC 795.
4. With department approval, students may complete a maximum of 6 graduate credits from outside Political Science. Students must obtain the permission of the Political Science graduate coordinator prior to enrolling in courses outside of Political Science otherwise the courses will not count toward the M.A. in Political Science. Courses from outside the Department that include an undergraduate component cannot be used for the degree. Independent Study (PSC 791) cannot be used to fulfill a core or elected requirement.
5. The candidate must maintain a minimum 3.0 GPA at all times in order to remain in good standing. Only those courses in which a student receives a grade of B or better may be used for graduate credit.
6. In addition to the required coursework, in consultation with his or her advisor, a student will prepare and present a professional paper. The professional paper will be supervised by a committee of at least three departmental members. In addition, a fourth member from outside the department, known as the Graduate College Representative, must be appointed. An additional committee member may be added at the student and department's discretion. Please see Graduate College policy for committee appointment guidelines.
7. Additional Degree Requirements for Subplan 2: Students must complete 9 credits of 700 level courses from among PSC 701, PSC 710R, PSC 740, PSC 760R, and/or PSC 780R. Requirements related to 700 level courses taken while in the BA program will be waived.

Plan Graduation Requirements

1. The student must submit all required forms to the

Graduate College and then apply for graduation up to two semesters prior to completing his or her degree requirements.

2. The student must submit and successfully defend his or her professional paper by the posted deadline. The defense must be advertised and is open to the public.

Doctor of Philosophy - Political Science

Plan Description

The Department of Political Science offers a general Ph.D. degree with concentrations in American politics (including public law and public policy), comparative politics, international relations, and political theory.

The Ph.D. program is intended to prepare its graduates for careers in academic institutions, government (at all levels), and business and industry.

For more information about your program, including your graduate program handbook and learning outcomes, please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

1. The following department application materials must be uploaded into the online application:
 - a. Graduate Record Examination (GRE) General Test scores
 - b. Three letters of recommendation by recommendation providers (academic references preferred)
 - c. A personal statement explaining why you want to enter the doctoral program
 - d. A writing sample
2. Applicants must submit satisfactory Graduate Record Examination (GRE) General Test scores. The recommended score is a total of 160 on the verbal and 148 on the quantitative sections. We also pay attention to the analytical score. The applicant's undergraduate record is examined in conjunction with the GRE scores. The former is weighed more heavily than the latter: an outstanding undergraduate record may well allow the admission of an applicant with GRE scores somewhat below the recommended level.
3. Applicants must possess a B.A. or equivalent from a regionally accredited institution with a minimum GPA of 3.30, or M.A. or equivalent from an accredited institution with a minimum GPA of 3.50. Under special circumstances the department may consider

applicants with lower GPAs.

4. Applicants must have completed 12 credits of Political Science course work at the upper-division or graduate level combined. At the discretion of the department, students who lack such course work may be admitted on the condition that they remedy that deficiency.
5. All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

See Subplan Requirements below.

Subplan 1 Requirements: Post - Bachelor's American Politics Track

Total Credits Required: 60

Course Requirements

Methods in Political Science Courses – Credits: 6

- PSC 701 - Research Design and Methodology
- PSC 702 - Advanced Quantitative Methods I

Proseminar Courses – Credits: 12

- PSC 710R - Proseminar in American Politics
- PSC 740 - Proseminar in International Relations
- PSC 760R - Proseminar in Comparative Politics
- PSC 780R - Proseminar in Political Theory
- American Politics Field Courses- 9
- PSC 713 - American National Government: Principles
- PSC 714 - American National Government: Structure and Processes
- PSC 719 - Advanced Studies in American Politics
- PSC 721 - Public Policy Process
- PSC 723 - Policy Analysis
- PSC 729 - Advanced Studies in Public Policy
- PSC 732 - Constitutional Law
- PSC 739 - Advanced Studies in Public Law

Second Field – Credits: 9

Select one of the following second fields and complete three courses:

Second Field Comparative Politics

- PSC 761 - Middle Eastern and North African Politics
- PSC 762 - African Politics
- PSC 763 - European Politics

- PSC 764 - Latin American Politics
- PSC 767 - Comparative Democratization
- PSC 775 - Comparative Political Behavior
- PSC 779R - Advanced Studies in Comparative Politics

Second Field International Relations

- PSC 741 - U.S. Foreign Policy
- PSC 746 - Middle East in World Affairs
- PSC 747 - Pacific Rim in World Affairs
- PSC 751 - International Political Economy
- PSC 754 - Global Governance
- PSC 755 - International Security
- PSC 759 - Advanced Studies in International Relations

Second Field Political Theory

- PSC 781 - Political Theory before 1500
- PSC 782R - Political Theory from 1500 to 1900
- PSC 783 - Political Theory since 1900
- PSC 789R - Special Topic: Advanced Studies in Political Theory

Elective Courses – Credits: 12

Complete 12 credits of 700-level Political Science courses, or other advisor-approved courses.

Dissertation – Credits: 12

- PSC 799 - Dissertation

Degree Requirements

1. A minimum of 60 credits beyond the B.A. must be completed.
2. A minimum grade point average of 3.00 is required for all course work.
3. Research Tool: The research tool can be fulfilled with one of three options:
 1. Foreign Language: Students must demonstrate knowledge of the equivalent of two years of a single foreign language, through either an examination or 12 credits of college-level course work. Those credits would not count toward the required total. This requirement must be met prior to admission to candidacy. No grade below “B-” will be accepted. The foreign language selected must be approved by the department as relevant for the student’s research.
 2. Quantitative Methods: With approval from the department, a student may demonstrate advanced quantitative methods necessary for his or her doctoral research.
 3. Qualitative Methods: With approval from the

department, a student may demonstrate advanced qualitative methods necessary for his or her doctoral research.

4. This requirement must be met prior to admission to candidacy. No grade below “B-” will be accepted.
5. In consultation with his/her advisor, a student will organize a dissertation committee of at least three departmental members. In addition, a fourth member outside the department will be assigned by the Graduate College. Another outside member may be added at the department’s discretion.
6. Comprehensive written and oral examinations will be taken during or following the semester in which the student completes required course work. They will be divided into two parts, corresponding to the student’s major fields. Within those fields the content of the examinations will be determined by the student’s graduate coordinator.
7. The student will write the dissertation of original research and interpretation on a topic in the field of American politics.

Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
2. The student must submit and successfully defend his/her dissertation by the posted deadline. The defense must be advertised and is open to the public.
3. The student must submit his/her approved, properly formatted dissertation to the Graduate College, and submit the approved electronic version to ProQuest by the posted deadline.

Subplan 2 Requirements: Post-Bachelor’s - Comparative Politics Track

Total Credits Required: 60

Course Requirements

Methods in Political Science Courses – Credits: 6

- PSC 701 - Research Design and Methodology
- PSC 702 - Advanced Quantitative Methods I

Proseminar Courses – Credits: 12

- PSC 710R - Proseminar in American Politics
- PSC 740 - Proseminar in International Relations
- PSC 760R - Proseminar in Comparative Politics
- PSC 780R - Proseminar in Political Theory

Comparative Courses – Credits: 9

- PSC 767 - Comparative Democratization
- PSC 775 - Comparative Political Behavior

- PSC 779R - Advanced Studies in Comparative Politics
- PSC 761 - Middle Eastern and North African Politics
- PSC 762 - African Politics
- PSC 763 - European Politics
- PSC 764 - Latin American Politics

Second Field – Credits: 9

Select one of the following second fields and complete three courses:

Second Field American Politics

- PSC 713 - American National Government: Principles
- PSC 714 - American National Government: Structure and Processes
- PSC 719 - Advanced Studies in American Politics
- PSC 721 - Public Policy Process
- PSC 723 - Policy Analysis
- PSC 729 - Advanced Studies in Public Policy
- PSC 732 - Constitutional Law
- PSC 739 - Advanced Studies in Public Law

Second Field International Relations

- PSC 741 - U.S. Foreign Policy
- PSC 746 - Middle East in World Affairs
- PSC 747 - Pacific Rim in World Affairs
- PSC 751 - International Political Economy
- PSC 754 - Global Governance
- PSC 755 - International Security
- PSC 759 - Advanced Studies in International Relations

Second Field Political Theory

- PSC 781 - Political Theory before 1500
- PSC 782R - Political Theory from 1500 to 1900
- PSC 783 - Political Theory since 1900
- PSC 789R - Special Topic: Advanced Studies in Political Theory

Elective Courses – Credits: 12

Complete 12 credits of 700-level Political Science courses, or other advisor-approved courses.

Dissertation – Credits: 12

- PSC 799 - Dissertation

Degree Requirements

1. A minimum of 60 credits beyond the B.A. must be completed.
2. A minimum grade point average of 3.00 is required for

all course work.

3. Research Tool: The research tool can be fulfilled with one of three options:

1. Foreign Language: Students must demonstrate knowledge of the equivalent of two years of a single foreign language, through either an examination or 12 credits of college-level course work. Those credits would not count toward the required total. This requirement must be met prior to admission to candidacy. No grade below “B” will be accepted. The foreign language selected must be approved by the department as relevant for the student’s research.

2. Quantitative Methods: With approval from the department, a student may demonstrate advanced quantitative methods necessary for his or her doctoral research.

3. Qualitative Methods: With approval from the department, a student may demonstrate advanced qualitative methods necessary for his or her doctoral research.

4. This requirement must be met prior to admission to candidacy. No grade below “B” will be accepted.
5. In consultation with his/her advisor, a student will organize a dissertation committee of at least three departmental members. In addition, a fourth member outside the department will be appointed to represent the Graduate College. Another outside member may be added at the department’s discretion.
6. Comprehensive written and oral examinations will be taken during or following the semester in which the student completes required course work. They will be divided into two parts, corresponding to the student’s major fields. Within those fields the content of the examinations will be determined by the student’s graduate coordinator.
7. The student will write the dissertation of original research and interpretation on a topic in the field of comparative politics.

Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
2. The student must submit and successfully defend his/her dissertation by the posted deadline. The defense must be advertised and is open to the public.
3. The student must submit his/her approved, properly formatted dissertation to the Graduate College, and submit the approved electronic version to ProQuest by the posted deadline.

*Subplan 3 Requirements: Post-Bachelor’s
- International Relations Track*

Total Credits Required: 60

Course Requirements

Methods in Political Science Courses – Credits: 6

Methods in Political Science Courses – Credits: 6

- PSC 701 - Research Design and Methodology
- PSC 702 - Advanced Quantitative Methods I

Proseminar Courses – Credits: 12

- PSC 710R - Proseminar in American Politics
- PSC 740 - Proseminar in International Relations
- PSC 760R - Proseminar in Comparative Politics
- PSC 780R - Proseminar in Political Theory

International Relations Field Courses – Credits: 9

Complete three of the following courses:

- PSC 741 - U.S. Foreign Policy
- PSC 746 - Middle East in World Affairs
- PSC 747 - Pacific Rim in World Affairs
- PSC 751 - International Political Economy
- PSC 754 - Global Governance
- PSC 755 - International Security
- PSC 759 - Advanced Studies in International Relations

Second Field – Credits: 9

Select one of the following second fields and complete three courses:

Second Field American Politics

- PSC 713 - American National Government: Principles
- PSC 714 - American National Government: Structure and Processes
- PSC 719 - Advanced Studies in American Politics
- PSC 721 - Public Policy Process
- PSC 723 - Policy Analysis
- PSC 729 - Advanced Studies in Public Policy
- PSC 732 - Constitutional Law
- PSC 739 - Advanced Studies in Public Law

Second Field Comparative Politics

- PSC 761 - Middle Eastern and North African Politics
- PSC 762 - African Politics
- PSC 763 - European Politics
- PSC 764 - Latin American Politics
- PSC 767 - Comparative Democratization
- PSC 775 - Comparative Political Behavior
- PSC 779R - Advanced Studies in Comparative

Politics

Second Field Political Theory

- PSC 781 - Political Theory before 1500
- PSC 782R - Political Theory from 1500 to 1900
- PSC 783 - Political Theory since 1900
- PSC 789R - Special Topic: Advanced Studies in Political Theory

Elective Courses – Credits: 12

Complete 12 credits of 700-level Political Science courses, or other advisor-approved courses.

Dissertation – Credits: 12

- PSC 799 - Dissertation

Degree Requirements

1. A minimum of 60 credits beyond the B.A. must be completed.
2. A minimum grade point average of 3.00 is required for all course work.
3. Research Tool: The research tool can be fulfilled with one of three options:

1. Foreign Language: Students must demonstrate knowledge of the equivalent of two years of a single foreign language, through either an examination or 12 credits of college-level course work. Those credits would not count toward the required total. This requirement must be met prior to admission to candidacy. No grade below “B” will be accepted. The foreign language selected must be approved by the department as relevant for the student’s research.

2. Quantitative Methods: With approval from the department, a student may demonstrate advanced quantitative methods necessary for his or her doctoral research.

3. Qualitative Methods: With approval from the department, a student may demonstrate advanced qualitative methods necessary for his or her doctoral research.

4. This requirement must be met prior to admission to candidacy. No grade below “B” will be accepted.

5. In consultation with his/her advisor, a student will organize a dissertation committee of at least three departmental members. In addition, a fourth member outside the department will be appointed to represent the Graduate College. Another outside member may be added at the department’s discretion.

6. Comprehensive written examination will be taken during or following the semester in which the student completes required course work. They will be divided into two parts, corresponding to the student’s major fields. Within those fields the content of he

examinations will be determined by the student's graduate coordinator.

7. The student will write the dissertation of original research and interpretation on a topic in the field of international relations.

Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
2. The student must submit and successfully defend his/her dissertation by the posted deadline. The defense must be advertised and is open to the public.
3. The student must submit his/her approved, properly formatted dissertation to the Graduate College, and submit the approved electronic version to ProQuest by the posted deadline.

Subplan 4 Requirements: Post - Bachelor's Political Theory Track

Total Credits Required: 60

Course Requirements

Methods in Political Science Courses – Credits: 6

- PSC 701 - Research Design and Methodology
- PSC 702 - Advanced Quantitative Methods I

Proseminar Courses – Credits: 12

- PSC 710R - Proseminar in American Politics
- PSC 740 - Proseminar in International Relations
- PSC 760R - Proseminar in Comparative Politics
- PSC 780R - Proseminar in Political Theory

Political Theory Field Courses – Credits: 9

Complete three of the following courses:

- PSC 781 - Political Theory before 1500
- PSC 782R - Political Theory from 1500 to 1900
- PSC 783 - Political Theory since 1900
- PSC 789R - Special Topic: Advanced Studies in Political Theory

Second Field – Credits: 9

Select one of the following second fields and complete three courses:

Second Field American Politics

- PSC 713 - American National Government: Principles
- PSC 714 - American National Government: Structure and Processes
- PSC 719 - Advanced Studies in American Politics
- PSC 721 - Public Policy Process

- PSC 723 - Policy Analysis
- PSC 729 - Advanced Studies in Public Policy
- PSC 732 - Constitutional Law
- PSC 739 - Advanced Studies in Public Law

Second Field Comparative Politics

- PSC 761 - Middle Eastern and North African Politics
- PSC 762 - African Politics
- PSC 763 - European Politics
- PSC 764 - Latin American Politics
- PSC 767 - Comparative Democratization
- PSC 775 - Comparative Political Behavior
- PSC 779R - Advanced Studies in Comparative Politics

Second Field International Relations

- PSC 741 - U.S. Foreign Policy
- PSC 746 - Middle East in World Affairs
- PSC 747 - Pacific Rim in World Affairs
- PSC 751 - International Political Economy
- PSC 754 - Global Governance
- PSC 755 - International Security
- PSC 759 - Advanced Studies in International Relations

Elective Courses – Credits: 12

Complete 12 credits of 700-level Political Science courses, or other advisor-approved courses.

Dissertation – Credits: 12

- PSC 799 - Dissertation

Degree Requirements

1. A minimum of 60 credits beyond the B.A. must be completed.
2. A minimum grade point average of 3.00 is required for all course work.
3. Research Tool: The research tool can be fulfilled with one of three options:

1. Foreign Language: Students must demonstrate knowledge of the equivalent of two years of a single foreign language, through either an examination or 12 credits of college-level course work. Those credits would not count toward the required total. This requirement must be met prior to admission to candidacy. No grade below "B" will be accepted. The foreign language selected must be approved by the department as relevant for the student's research.

2. Quantitative Methods: With approval from the department, a student may

demonstrate advanced quantitative methods necessary for his or her doctoral research.

3. Qualitative Methods: With approval from the department, a student may demonstrate advanced qualitative methods necessary for his or her doctoral research.

4. This requirement must be met prior to admission to candidacy. No grade below "B" will be accepted.
5. In consultation with his/her advisor, a student will organize a dissertation committee of at least three departmental members. In addition, a fourth member outside the department will be appointed to represent the Graduate College. Another outside member may be added at the department's discretion.
6. Comprehensive written examination will be taken during or following the semester in which the student completes required course work. They will be divided into two parts, corresponding to the student's major fields. Within those fields the content of the examinations will be determined by the student's graduate coordinator.
7. The student will write the dissertation of original research and interpretation on a topic in the field of political theory.

Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
2. The student must submit and successfully defend his/her dissertation by the posted deadline. The defense must be advertised and is open to the public.
3. The student must submit his/her approved, properly formatted dissertation to the Graduate College, and submit the approved electronic version to ProQuest by the posted deadline.

Subplan 5 Requirements: Post - Master's American Politics Track

Total Credits Required: 48

Course Requirements

Methods in Political Science Courses – Credits: 6

- PSC 701 - Research Design and Methodology
- PSC 702 - Advanced Quantitative Methods I

Proseminar Courses – Credits: 12

- PSC 710R - Proseminar in American Politics
- PSC 740 - Proseminar in International Relations
- PSC 760R - Proseminar in Comparative Politics
- PSC 780R - Proseminar in Political Theory

American Politics Field Courses – Credits: 9

666 Graduate Catalog • College of Liberal Arts

Complete three of the following courses:

- PSC 713 - American National Government: Principles
- PSC 714 - American National Government: Structure and Processes
- PSC 719 - Advanced Studies in American Politics
- PSC 721 - Public Policy Process
- PSC 723 - Policy Analysis
- PSC 729 - Advanced Studies in Public Policy
- PSC 732 - Constitutional Law
- PSC 739 - Advanced Studies in Public Law
- PSC 779R - Advanced Studies in Comparative Politics

Second Field Courses – Credits: 9

Complete 3 of the following courses:

Second Field Comparative Politics

- PSC 761 - Middle Eastern and North African Politics
- PSC 762 - African Politics
- PSC 763 - European Politics
- PSC 764 - Latin American Politics
- PSC 767 - Comparative Democratization
- PSC 775 - Comparative Political Behavior
- PSC 779R - Advanced Studies in Comparative Politics

Second Field International Relations

- PSC 741 - U.S. Foreign Policy
- PSC 746 - Middle East in World Affairs
- PSC 747 - Pacific Rim in World Affairs
- PSC 751 - International Political Economy
- PSC 754 - Global Governance
- PSC 755 - International Security
- PSC 759 - Advanced Studies in International Relations

Second Field Political Theory

- PSC 781 - Political Theory before 1500
- PSC 782R - Political Theory from 1500 to 1900
- PSC 783 - Political Theory since 1900
- PSC 789R - Special Topic: Advanced Studies in Political Theory

Dissertation – Credits: 12

- PSC 799 - Dissertation

Degree Requirements

1. A minimum of 48 credits beyond the M.A. must be completed.

2. A minimum grade point average of 3.00 is required for all course work.
3. Research Tool: The research tool can be fulfilled with one of three options:
 1. Foreign Language: Students must demonstrate knowledge of the equivalent of two years of a single foreign language, through either an examination or 12 credits of college-level course work. Those credits would not count toward the required total. This requirement must be met prior to admission to candidacy. No grade below "B" will be accepted. The foreign language selected must be approved by the department as relevant for the student's research.
 2. Quantitative Methods: With approval from the department, a student may demonstrate advanced quantitative methods necessary for his or her doctoral research.
 3. Qualitative Methods: With approval from the department, a student may demonstrate advanced qualitative methods necessary for his or her doctoral research.
4. This requirement must be met prior to admission to candidacy. No grade below "B" will be accepted.
5. In consultation with his/her advisor, a student will organize a dissertation committee of at least three departmental members. In addition, a fourth member outside the department will be appointed to represent the Graduate College. Another outside member may be added at the department's discretion.
6. Comprehensive written and oral examinations will be taken during or following the semester in which the student completes required course work. They will be divided into two parts, corresponding to the student's major fields. Within those fields the content of the examinations will be determined by the student's graduate coordinator.
7. The student will write the dissertation of original research and interpretation on a topic in the field of American politics.

Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
2. The student must submit and successfully defend his/her dissertation by the posted deadline. The defense must be advertised and is open to the public.
3. The student must submit his/her approved, a properly formatted dissertation to the Graduate College, and submit the approved electronic version to ProQuest by the posted deadline.

Subplan 6 Requirements: Post-Master's - Comparative Politics Track

Total Credits Required: 48

Course Requirements

Methods in Political Science Courses – Credits: 6

- PSC 701 - Research Design and Methodology
- PSC 702 - Advanced Quantitative Methods I

Proseminar Courses – Credits: 12

- PSC 710R - Proseminar in American Politics
- PSC 740 - Proseminar in International Relations
- PSC 760R - Proseminar in Comparative Politics
- PSC 780R - Proseminar in Political Theory

Comparative Field Courses – Credits: 9

- PSC 761 - Middle Eastern and North African Politics
- PSC 762 - African Politics
- PSC 763 - European Politics
- PSC 764 - Latin American Politics
- PSC 767 - Comparative Democratization
- PSC 775 - Comparative Political Behavior
- PSC 779R - Advanced Studies in Comparative Politics

Second Field – Credits: 9

Select one of the following second fields and complete three courses:

Second Field American Politics

- PSC 713 - American National Government: Principles
- PSC 714 - American National Government: Structure and Processes
- PSC 719 - Advanced Studies in American Politics
- PSC 721 - Public Policy Process
- PSC 723 - Policy Analysis
- PSC 729 - Advanced Studies in Public Policy
- PSC 732 - Constitutional Law
- PSC 739 - Advanced Studies in Public Law

Second Field International Relations

- PSC 741 - U.S. Foreign Policy
- PSC 746 - Middle East in World Affairs
- PSC 747 - Pacific Rim in World Affairs
- PSC 751 - International Political Economy
- PSC 754 - Global Governance
- PSC 755 - International Security

- PSC 759 - Advanced Studies in International Relations
- Second Field Political Theory
- PSC 781 - Political Theory before 1500
 - PSC 782R - Political Theory from 1500 to 1900
 - PSC 783 - Political Theory since 1900
 - PSC 789R - Special Topic: Advanced Studies in Political Theory

Dissertation – Credits: 12

- PSC 799 - Dissertation

Degree Requirements

1. A minimum of 48 credits beyond the M.A. must be completed and the department will determine the distribution of the 42 credits, based on the student's transcripts of prior work.
2. A minimum grade point average of 3.00 is required for all course work.
3. Foreign language requirement: Students must demonstrate knowledge of the equivalent of two years of a single foreign language, through either an examination or 12 credits of college-level course work. Those credits would not count toward the required total. This requirement must be met prior to admission to candidacy. No grade below "B-" will be accepted.
4. In consultation with his/her advisor, a student will organize a dissertation committee of at least three departmental members. In addition, a fourth member outside the department will be assigned by the Graduate College. Another outside member may be added at the department's discretion.
5. In consultation with his/her advisor, a student will organize a dissertation committee of at least three departmental members. In addition, a fourth member outside the department will be appointed to represent the Graduate College. Another outside member may be added at the department's discretion.
6. Comprehensive written examination will be taken during or following the semester in which the student completes required course work. They will be divided into two parts, corresponding to the student's major fields. Within those fields the content of the examinations will be determined by the student's graduate coordinator.
7. The student will write the dissertation of original research and interpretation on a topic in the field of comparative politics.

Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.

2. The student must submit and successfully defend his/her dissertation by the posted deadline. The defense must be advertised and is open to the public.
3. The student must submit his/her approved, properly formatted dissertation to the Graduate College, and submit the approved electronic version to ProQuest by the posted deadline.

*Subplan 7 Requirements: Post-Master's
- International Relations Track*

Total Credits Required: 48

Course Requirements

Methods in Political Science Courses – Credits: 6

- PSC 701 - Research Design and Methodology
- PSC 702 - Advanced Quantitative Methods I

Proseminar Courses – Credits: 12

- PSC 710R - Proseminar in American Politics
- PSC 740 - Proseminar in International Relations
- PSC 760R - Proseminar in Comparative Politics
- PSC 780R - Proseminar in Political Theory

International Relations Field Courses – Credits: 9

Complete three of the following courses:

- PSC 741 - U.S. Foreign Policy
- PSC 746 - Middle East in World Affairs
- PSC 747 - Pacific Rim in World Affairs
- PSC 751 - International Political Economy
- PSC 754 - Global Governance
- PSC 755 - International Security
- PSC 759 - Advanced Studies in International Relations

Second Field – Credits: 9

Select one of the following second fields and complete three courses:

Second Field American Politics

- PSC 713 - American National Government: Principles
- PSC 714 - American National Government: Structure and Processes
- PSC 719 - Advanced Studies in American Politics
- PSC 721 - Public Policy Process
- PSC 723 - Policy Analysis
- PSC 729 - Advanced Studies in Public Policy
- PSC 732 - Constitutional Law
- PSC 739 - Advanced Studies in Public Law

Second Field Comparative Politics

- PSC 761 - Middle Eastern and North African Politics

- PSC 762 - African Politics
- PSC 763 - European Politics
- PSC 764 - Latin American Politics
- PSC 767 - Comparative Democratization
- PSC 775 - Comparative Political Behavior
- PSC 779R - Advanced Studies in Comparative Politics

Second Field Political Theory

- PSC 781 - Political Theory before 1500
- PSC 782R - Political Theory from 1500 to 1900
- PSC 783 - Political Theory since 1900
- PSC 789R - Special Topic: Advanced Studies in Political Theory

Dissertation – Credits: 12

- PSC 799 - Dissertation

Degree Requirements

1. A minimum of 48 credits beyond the M.A. must be completed.
2. A minimum grade point average of 3.00 is required for all course work.
3. Research Tool: The research tool can be fulfilled with one of three options:
 1. Foreign Language: Students must demonstrate knowledge of the equivalent of two years of a single foreign language, through either an examination or 12 credits of college-level course work. Those credits would not count toward the required total. This requirement must be met prior to admission to candidacy. No grade below “B” will be accepted. The foreign language selected must be approved by the department as relevant for the student’s research.
 2. Quantitative Methods: With approval from the department, a student may demonstrate advanced quantitative methods necessary for his or her doctoral research.
 3. Qualitative Methods: With approval from the department, a student may demonstrate advanced qualitative methods necessary for his or her doctoral research.
4. This requirement must be met prior to admission to candidacy. No grade below “B” will be accepted.
5. In consultation with his/her advisor, a student will organize a dissertation committee of at least three departmental members. In addition, a fourth member outside the department will be appointed to represent the Graduate College. Another outside member may be added at the department’s discretion.

6. Comprehensive written examination will be taken during or following the semester in which the student completes required course work. They will be divided into two parts, corresponding to the student’s major fields. Within those fields the content of the examinations will be determined by the student’s graduate coordinator.
7. The student will write the dissertation of original research and interpretation on a topic in the field of international relations.

Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
2. The student must submit and successfully defend his/her dissertation by the posted deadline. The defense must be advertised and is open to the public.
3. The student must submit his/her approved, properly formatted dissertation to the Graduate College, and submit the approved electronic version to ProQuest by the posted deadline.

Subplan 8 Requirements: Post - Master’s Political Theory Track

Total Credits Required: 48

Course Requirements

Methods in Political Science Courses – Credits: 6

- PSC 701 - Research Design and Methodology
- PSC 702 - Advanced Quantitative Methods I

Proseminar Courses – Credits: 12

- PSC 710R - Proseminar in American Politics
- PSC 740 - Proseminar in International Relations
- PSC 760R - Proseminar in Comparative Politics
- PSC 780R - Proseminar in Political Theory

Political Theory Field Courses – Credits: 9

Complete three of the following courses:

- PSC 781 - Political Theory before 1500
- PSC 782R - Political Theory from 1500 to 1900
- PSC 783 - Political Theory since 1900
- PSC 789R - Special Topic: Advanced Studies in Political Theory

Second Field – Credits: 9

Select one of the following second fields and complete three courses:

Second Field American Politics

- PSC 713 - American National Government: Principles

- PSC 714 - American National Government: Structure and Processes
- PSC 719 - Advanced Studies in American Politics
- PSC 721 - Public Policy Process
- PSC 723 - Policy Analysis
- PSC 729 - Advanced Studies in Public Policy
- PSC 732 - Constitutional Law
- PSC 739 - Advanced Studies in Public Law

Second Field Comparative Politics

- PSC 761 - Middle Eastern and North African Politics
- PSC 762 - African Politics
- PSC 763 - European Politics
- PSC 764 - Latin American Politics
- PSC 767 - Comparative Democratization
- PSC 775 - Comparative Political Behavior
- PSC 779R - Advanced Studies in Comparative Politics

Second Field International Relations

- PSC 741 - U.S. Foreign Policy
- PSC 746 - Middle East in World Affairs
- PSC 747 - Pacific Rim in World Affairs
- PSC 751 - International Political Economy
- PSC 754 - Global Governance
- PSC 755 - International Security
- PSC 759 - Advanced Studies in International Relations

Dissertation – Credits: 12

- PSC 799 - Dissertation

Degree Requirements

1. A minimum of 48 credits beyond the M.A. must be completed.
2. A minimum grade point average of 3.00 is required for all course work.
3. Research Tool: The research tool can be fulfilled with one of three options:
 1. Foreign Language: Students must demonstrate knowledge of the equivalent of two years of a single foreign language, through either an examination or 12 credits of college-level course work. Those credits would not count toward the required total. This requirement must be met prior to admission to candidacy. No grade below “B” will be accepted. The foreign language selected must be approved by the department as relevant for the student’s research.

2. Quantitative Methods: With approval

from the department, a student may demonstrate advanced quantitative methods necessary for his or her doctoral research.

3. Qualitative Methods: With approval from the department, a student may demonstrate advanced qualitative methods necessary for his or her doctoral research.

4. This requirement must be met prior to admission to candidacy. No grade below “B” will be accepted.
5. In consultation with his/her advisor, a student will organize a dissertation committee of at least three departmental members. In addition, a fourth member outside the department will be selected to represent the Graduate College. Another outside member may be added at the department’s discretion.
6. . Comprehensive written and oral examinations will be taken during or following the semester in which the student completes required course work. They will be divided into two parts, corresponding to the student’s major fields. Within those fields the content of the examinations will be determined by the student’s graduate coordinator.
7. The student will write the dissertation of original research and interpretation on a topic in the field of political theory.

Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
2. The student must submit and successfully defend his/her dissertation by the posted deadline. The defense must be advertised and is open to the public.
3. The student must submit his/her approved, properly formatted dissertation to the Graduate College, and submit the approved electronic version to ProQuest by the posted deadline.

Plan Graduation Requirements

Refer to your subplan for Graduation Requirements.

Political Science Courses

PSC 701 - Research Design and Methodology Credits 3

Exposes graduate students to a body of literature and a set of ideas about doing sound social science research, either applied or non-applied. Emphasis on injecting scientific and theoretical rigor into the investigation of political phenomena. Prerequisites: Graduate standing.

PSC 702 - Advanced Quantitative Methods I Credits 3

Review of basic statistical techniques and in-depth treatment of bivariate and multivariate regression analysis, including regression diagnostics and remedies for assumption violations. Also introduces advanced statistical estimation techniques including robust regression, time-series analysis, and maximum likelihood estimation. Prerequisites: PSC 701 or equivalent and graduate standing.

PSC 703 - Topics in Advanced Quantitative Methods Credits 3

Topics in advanced research methodological techniques used in the social sciences, such as maximum likelihood estimation, time series analysis, and formal modeling. Notes: repeatable up to 6 credits. Prerequisites: PSC 701 and PSC 702

PSC 710R - Proseminar in American Politics Credits 3

Concepts, methods, and theories in American politics. Particular attention is devoted to the presentation and analysis of classic books and articles in the field so as to provide students with the requisite foundation for advanced study.

PSC 713 - American National Government: Principles Credits 3

Addresses the theoretical principles underlying—and disputed within—the American political regime since the Founding. Readings include writings by American statesmen, political philosophers, and scholars representative of key perspectives in the liberal-constitutional tradition. Satisfies U.S. Constitution requirement. Formerly (PSC 710) Prerequisites: Graduate standing.

PSC 714 - American National Government: Structure and Processes Credits 3

American political institutions, public opinion, voting behavior, and the making of public policy. Formerly PSC 711 Prerequisites: Graduate standing.

PSC 719 - Advanced Studies in American Politics Credits 3

Selected topics in American politics. Students are advised to take PSC 710R before this course. Notes: May be repeated to a maximum of six credits. Prerequisites: PSC 701 and graduate standing.

PSC 721 - Public Policy Process Credits 3

Examines the roles of the legislative and executive branches of government in public policy formation and implementation. Surveys empirical techniques used in the field, assesses the impact of ethical theories on the public policy process, and explores selected policy issues in detail. Same as (EPS 747) Notes: May be repeated to a maximum of six credits. Prerequisites: Graduate standing.

PSC 723 Policy Analysis Credits 3

Aims to enable students to understand and evaluate a range of methods used by professional policy analysts, and to present some of the ethical issues surrounding this practice. Same as (EPS 710) Notes: Each student is required to locate and critique some examples of policy analysis in his or her own area of interest. Prerequisites: Graduate standing.

PSC 729 - Advanced Studies in Public Policy Credits 3

Selected topics in public policy. May be repeated to a maximum of six credits. Prerequisites: PSC 701 and graduate standing.

PSC 732 - Constitutional Law Credits 3

Study of the U.S. Constitution with emphasis on its interpretation, the power of the judiciary, Congress, and executive. Attention also devoted to federal-state relations and the Commerce Clause. Satisfies the U.S. Constitution requirement. Formerly (PSC 730) Prerequisites: Graduate standing.

PSC 739 - Advanced Studies in Public Law Credits 3

Selected topics in public law. Students are advised to take PSC 710R before this course. Notes: May be repeated to a maximum of six credits. Prerequisites: PSC 701 and graduate standing.

PSC 740 - Proseminar in International Relations Credits 3

Concepts, methods, and theories in international relations. Application of these tools to contemporary issues in international politics and economics. Conflict and peace studies, the North-South dialogue, and futures studies. Prerequisites: Graduate standing.

PSC 741 - U.S. Foreign Policy Credits 3

Examines the dynamics of the foreign policy decision-making process, surveys the historical evolution of American foreign policy, and addresses its contemporary issues. Impacts of the changing faces of communism, third-world nationalism, and global economic and political interdependencies on U.S. foreign policy studied in detail. Prerequisites: Graduate standing.

PSC 746 - Middle East in World Affairs Credits 3

Develops a framework for the study of international relations of the Middle East; examines domestic, regional and global determinants of external politics in the region; analyzes its great powers' interests and policies (strategic, military, economic, etc.) in this area; and studies intraregional problems including the Arab-Israeli imbroglio, inter-Arab conflicts, and turmoil in Lebanon. Prerequisites: Graduate standing.

PSC 747 - Pacific Rim in World Affairs Credits 3

Examines international relations of the Pacific Rim, a key region in contemporary international politics. Analyzes diplomatic/political, military/security, and economic/trade issues in the region, and assesses the dynamics and interdependence of the region and the region's significance to international politics in the twenty-first century. Prerequisites: Graduate standing.

PSC 751 - International Political Economy Credits 3

Examines the concepts, methods, and theories used in the study of the politics of international economic relations. Major theories of international political economy are examined and applied to the study of international trade, international capital flows, economic development, globalization, regional integration, labor, and the environment.

PSC 754 - Global Governance Credits 3

Examines the theoretical foundations for world order with attention to international organizations, collective security, regional and global integration, transnational capital, social movements, human security, and states.

PSC 755 - International Security Credits 3

This course will examine contemporary threats to international security and peace (e.g., terrorism, conflict) in order to explore the different methods of preventing, managing, and resolving them.

PSC 759 - Advanced Studies in International Relations Credits 3

Selected topics in international relations. Students are advised to take PSC 740 before this course. Formerly (PSC 749) Notes: May be repeated to a maximum of six credits. Prerequisites: PSC 701 and graduate standing.

PSC 760R - Proseminar in Comparative Politics Credits 3
Concepts, methods, and theories in comparative politics. Topics include such as political development, ethnicity, leadership, and political economy. Formerly (PSC 750) Prerequisites: Graduate standing.

PSC 761 - Middle Eastern and North African Politics Credits 3
Provides students with in-depth analysis of the political institutions, processes, and policies in the Middle East and North Africa. Formerly (PSC 760) Prerequisites: Graduate standing.

PSC 762 - African Politics Credits 3
This course surveys the broad themes and debates in the study of the politics of sub-Saharan Africa. The historical and geographic forces that have shaped the African state are explored. The nature and performance of the post-colonial state and the attempts at economic and political reform are examined.

PSC 763 - European Politics Credits 3
This course covers the politics of Europe, home to many of the world's democracies and the European Union. Students will become familiar with the major political (including electoral and legislative) and economic dynamics in Europe.

PSC 764 - Latin American Politics Credits 3
Provides students with an understanding of regime change, party systems, conventional participation, and social movements. Includes coverage of advanced theories of comparative politics as applied to the region.

PSC 767 - Comparative Democratization Credits 3
This course explores the phenomenon of democratization, with a particular focus on the cases of democratization that have occurred since the start of the third wave of democratization in the mid-1970s. The different theoretical approaches to explaining both the transition to and consolidation of democracy will be examined.

PSC 775 - Comparative Political Behavior Credits 3
Examination of the antecedents and consequences of public opinion and political behavior from a comparative perspective, with emphasis given to democratic regimes.

PSC 779R - Advanced Studies in Comparative Politics Credits 3
Selected topics in comparative politics. Students are advised to take PSC 760R before this course. Formerly (PSC 769) Notes: May be repeated to a maximum of six credits. Prerequisites: PSC 701 and graduate standing.

PSC 780R - Proseminar in Political Theory Credits 3
Concepts and issues in political theory, with emphasis on major texts in the history of political philosophy. Formerly (PSC 771) Prerequisites: Graduate standing.

PSC 781 - Political Theory before 1500 Credits 3
Readings from works by selected political theorists of the ancient and medieval periods. Authors may include Thucydides, Xenophon, Plato, Aristotle, Cicero, Al-Farabi, Maimonides, and Thomas Aquinas.

PSC 782R - Political Theory from 1500 to 1900 Credits 3
Readings from works by selected political theorists of the early and late modern periods. Authors may include Machiavelli, Hobbes, Locke, Rousseau, Kant, Hegel, J. S. Mill, Marx, and Nietzsche.

PSC 783 - Political Theory since 1900 Credits 3
Readings from works by selected political theorists since 1900. Authors may include Dewey and Heidegger.

PSC 789R - Special Topic: Advanced Studies in Political Theory Credits 3
Selected topics in political theory. Students are advised to take PSC 780R before this course. Formerly (PSC 779) Notes: May be repeated to a maximum of six credits. Prerequisites: Graduate standing.

PSC 790 - SP Topics: Studies in Political Science Credits 3
Analysis of the research and literature on a selected topic in political science. Specific topic announced each semester. Notes: May be repeated to a maximum of six credits.

PSC 791 - M.A. Independent Study in Political Science Credits 1-3
Program of independent reading and research in political science for M.A. students, to be selected in consultation with an instructor before registration. May be repeated to a maximum of six credits with consent of instructor. Prerequisites: Consent of instructor.

PSC 792 - Ph.D. Independent Study in Political Science Credits 1-3
Program of independent reading and research in political science for Ph.D. students, to be selected in consultation with an instructor before registration. May be repeated to a maximum of six credits with consent of instructor. Prerequisites: Consent of instructor.

PSC 793 - Internship in Political Science Credits 1 – 3
Graduate students have a work assignment in an executive, legislative, or judicial setting, political party, or interest group institution at the national, state, or local governmental level and make regular reports on work activities and assigned readings. Substantial written work required. Formerly (PSC 780) Notes: May be repeated to a maximum of six credits with consent of instructor.

PSC 795 - Directed Readings in Political Science Credits 1 to 6
Program of assigned reading and preparation of professional paper. Formerly (PSC 782) Notes: May be repeated to a maximum of 6 credits. Grading TDX Prerequisites: Department approval.

PSC 796 - Thesis Credits 3 – 6
Research, analysis, and writing towards completion of thesis and subsequent defense. Formerly (PSC 789) Notes: May be repeated but only six credits applied to the student's program. Grading S/F grading only. Prerequisites: Departmental approval.

PSC 799 - Dissertation Credits 3-12
May be repeated but only 12 credits may be applied toward degree. Prerequisites: Passing grade on comprehensive examinations.

Psychology

Welcome to the Department of Psychology. Psychology is the science of behavior. The department is a vibrant entity with a rich tradition of excellence in research and teaching as well as service to the university, the community, and the field of psychology. Our faculty members conduct cutting-edge research in clinical, cognitive, and developmental psychology as well as neuroscience and quantitative methods. Our research is enhanced by great diversity in our undergraduate student population and in our community in Las Vegas. The department also has connections with many organizations that include private schools, Clark County agencies, and mental health, medical, and neuroscience centers.

Christopher A. Kearney, Ph.D., Chair

Daniel Allen, Ph.D., Clinical Studies Graduate Coordinator

Jennifer Rennels, Ph.D., Experimental Studies Graduate Coordinator

Kimberly A. Barchard, Ph.D., Quantitative Psychology Graduate Coordinator

Psychology Faculty

Chair

Kearney, Christopher A. - *Full Graduate Faculty*
Distinguished Professor; B.A., State University of New York at Binghamton; M.A., Ph.D., State University of New York at Albany. Rebel since 1990.

Graduate Coordinators

Allen, Daniel N. (Clinical) - *Full Graduate Faculty*
Professor; B.A., Moody Bible Institute; M.S., Eastern Washington University; Ph.D., University of South Dakota. Rebel since 1999.

Barchard, Kimberly A. - *Full Graduate Faculty*
Professor; B.S., Simon Fraser University; M.A., Ph.D., University of British Columbia. Rebel since 2001.

Rennels, Jennifer (Experimental) - *Full Graduate Faculty*
Associate Professor; B.S., Ithaca College; M.A., Ph.D., University of Texas, Austin. Rebel since 2003.

Graduate Faculty

Ashcraft, Mark H. - *Full Graduate Faculty*
Professor; B.A., Grinnell College, M.A., Ph.D., University of Kansas. Rebel since 2005.

Benning, Stephen D. - *Full Graduate Faculty*
Assistant Professor; B.A., Rice University; M.A., Ph.D., University of Minnesota. Rebel since 2012.

Chen, Xiangning. - *Full Graduate Faculty*
Professor; B.A., Guangxi Agricultural Institute, Guangxi, China; M.S. Genetics, Genetics Institute, Chinese Academy of Sciences, Beijing, China; Ph.D. Biochemistry and Biophysics, University of Houston. Rebel since 2015.

Copeland, David - *Full Graduate Faculty*
Associate Professor; B.A., Cleveland State University; Ph.D., University of Notre Dame. Rebel since 2006.

Culbert, Kristen M. - *Full Graduate Faculty*
Assistant Professor; B.A., M.A., Ph.D., Michigan State University. Rebel since 2015.

Donohue, Bradley C. - *Full Graduate Faculty*
Professor; B.A., University of Kansas; Ph.D., Nova Southeastern University. Rebel since 1998.

Freeman, Andrew J. - *Full Graduate Faculty*
Assistant Professor; B.S., Denison University; M.A., Ph.D., University of North Carolina at Chapel Hill. Rebel since 2014.

Hannon, Erin E. - *Full Graduate Faculty*
Associate Professor; B.A., New College of Florida; Ph.D., Cornell University. Rebel since 2007.

Heavey, Christopher L. - *Full Graduate Faculty*
Professor; B.A., University of California, Santa Cruz; M.A., Ph.D., University of California, Los Angeles. Rebel since 1992.

Hines, Rochelle M. - *Full Graduate Faculty*
Assistant Professor; B.S., University of Lethbridge; Ph.D., University of British Columbia. Rebel since 2015.

Hurlburt, Russell T. - *Full Graduate Faculty*
Professor; B.S.E., Princeton University; M.S., University of New Mexico; Ph.D., University of South Dakota. Rebel since 1976.

Hyman, James M. - *Full Graduate Faculty*
Assistant Professor; B.S., Virginia Commonwealth University; Ph.D., Boston University. Rebel since 2014.

Kinney, Jefferson W. - *Full Graduate Faculty*
Associate Professor; B.S., M.S., Ph.D., Colorado State University. Rebel since 2007.

Lefforge, Noelle - *Full Graduate Faculty*
Assistant Professor in Residence, B.A., M.A., Ph.D., MHA, University of Nevada, Las Vegas. Rebel since 2013.

McMurray, Janice - *Assistant Graduate Faculty*
Assistant Professor in Residence, B.A., California State University, Northridge, Ph.D., University of Nevada, Las Vegas. Rebel since 2013.

Meana, Marta - *Full Graduate Faculty*
Professor; B.A., M.A., Ph.D., McGill University. Rebel since 1997.

Parks, Colleen M. - *Full Graduate Faculty*
Associate Professor; B.A., Trinity University; M.S., Ph.D., Georgia Institute of Technology. Rebel since 2008.

Paul, Michelle G. - *Full Graduate Faculty*
Associate Professor in Residence; B.A., Colgate University; Ph.D., University of Vermont. Rebel since 2004.

Rennels, Jennifer L. - *Full Graduate Faculty*
Associate Professor; B.S., Ithaca College; M.A., Ph.D., University of Texas, Austin. Rebel since 2003.

Robnett, Rachael. - *Full Graduate Faculty*
Assistant Professor; B.A., University of Northern Iowa; M.A., Ph.D., University of California, Santa Cruz. Rebel since 2013.

Silver, N. Clayton - *Full Graduate Faculty*
Associate Professor; B.A., University of Cincinnati; M.S., Ph.D., Tulane University. Rebel since 1997.

Snyder, Joel S. - *Full Graduate Faculty*
Associate Professor; B.A., University of California, San Diego; Ph.D., Cornell University. Rebel since 2007.

Wang, Felix Hao. - *Full Graduate Faculty*
Assistant Professor; B.A., Wesleyan University; Ph.D., University of Southern California. Rebel since 2018.

Professors Emeriti

Ferraro, Douglas P.
Emeritus Professor; A.B., M.A., Ph.D., Columbia University. UNLV Emeritus 1996-2008.

Kern, Jeffrey M.

Emeritus Associate Professor; B.A., Queens College; Ph.D. State University of New York at Stony Brook. UNLV Emeritus 1990-2011.

Knapp, Terry J.

Emeritus Professor; B.A., B.S., University of Iowa; M.A., University of Northern Iowa; Ph.D., University of Nevada, Reno. UNLV Emeritus 1976-2007.

Plan

Graduate Certificate in Quantitative Psychology

Doctor of Philosophy – Psychology

Graduate Certificate in Quantitative Psychology

Plan Description

The certificate in Quantitative Psychology provides graduate students with advanced training in statistical, psychometric, methodological, and computational procedures. The certificate equips students to improve the quality of their substantive research and helps students obtain favorable positions in academia, industry, and the private sector upon graduation.

All admitted UNLV graduate students are eligible to pursue the Quantitative Psychology certificate. Students who participate in this certificate are typically drawn from doctoral students who are enrolled in the Psychology Department. However, the Quantitative Psychology certificate is not restricted to psychology doctoral students. Students who are pursuing a Psychology doctoral degree with an emphasis on Quantitative/Experimental are not eligible for the certificate.

For more information about your program, including your graduate program handbook and learning outcomes, please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

To be admitted to the program, you must:

1. Be an admitted UNLV graduate student.
2. Submit a completed application and required application fee.

All applicants must review and follow the Graduate College Admission and Registration Requirements.

Students are accepted into a certificate program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

Total Credits Required: 12

Course Requirements

Required Courses – Credits: 12

Complete 12 credits of the following or other approved courses:

- PSY 707 - Research Methods
- PSY 710 - Multivariate Analysis in Psychology
- PSY 711 - Advanced Seminar in Psychological Statistics
- PSY 712 - Psychometrics
- PSY 713 - Developmental Research
- PSY 717 - Cognitive Methods

Certificate Requirements

1. The certificate in Quantitative Psychology requires students to take 12 credits of approved courses, these courses cannot include the 6 credits that are required of all psychology doctoral students (PSY 708 and PSY 709). The courses listed above are automatically approved.
2. Additional courses from the Department of Psychology and other departments can count towards the certificate in Quantitative Psychology.
 1. To obtain approval to take a course, a student should consult their primary mentor. If the course is offered in another department, students may also need permission from the instructor.
 2. To obtain approval to count a course towards the Quantitative Psychology certificate, the student should submit the syllabus to the coordinator of the Department of Psychology Quantitative/Experimental Emphasis.
3. PSY 766 - Independent Study and PSY 768 - Independent Research can count towards the certificate in Quantitative Psychology with the approval of the coordinator of the Quantitative/Experimental Emphasis. These courses may be appropriate in four circumstances:
 1. The student will gain expertise in an advanced technique that is not taught at UNLV.
 2. The student will write a paper concerning recent advancements (e.g., up-to-date research) in a particular statistical area (e.g., range tests, SEM).
 3. The student will conduct a quantitative research project (e.g., write a program, conduct a Monte Carlo study, or complete an original derivation), separate from his or her master's thesis or dissertation.
 4. The student will author or co-author an empirical paper that requires an advanced analysis, and will have primary responsibility for the analysis and presentation of results. This paper must be independent of the student's master's thesis or dissertation.

4. A brief written proposal (1-2 pages) must be approved by the student's advisor and the coordinator of the Quantitative/Experimental Emphasis before the student registers for PSY 766 or PSY 768 . To count the course towards the certificate, the student should submit the completed product to the coordinator of the Quantitative/Experimental Emphasis, along with a description of the contribution the student made to the project.
5. A grade point average of at least 3.0 for course work required for the certificate.

Plan Certificate Completion Requirements

The student must submit all required forms to the Graduate College and then apply for graduation in MyUNLV by the appropriate deadline.

Doctor of Philosophy - Psychology

This program (Clinical Tracks) is accredited by: APA. More information can be found at: unlv.edu/provost/vpaa/accreditation

Plan Description

The Graduate Faculty of the Department of Psychology is comprised of a group of dedicated individuals who have received their training at outstanding graduate programs. We continue to recruit accomplished scholars who will enhance the quality and diversity of the graduate experience available to our students. The department is committed to providing our graduate students with a high quality program balanced across classroom, laboratories, and other research settings; and for clinical students, various practicum placements.

The department currently offers M.A. and Ph.D. degrees through the Clinical and Psychological & Brain Sciences Tracks.

The UNLV Psychology PhD, Clinical Tracks prepare students to address human concerns through both scholarly research and the application of psychological knowledge and skills. We recognize psychology as an empirical science and expect students to have a broad understanding of existing psychological knowledge. We guide students to base their scholarly and professional activity on the scientific foundation of psychology. Through an integration of didactic study, supervised clinical activity, and mentored scholarly research, we prepare students as generalist scientist-practitioners to conduct scientific research and clinical interventions with children and adults.

The UNLV Psychology PhD, Psychological & Brain Sciences Tracks trains students to become psychological scientists capable of carrying out independent research that lives up to international standards of scientific excellence. Upon completing the degree, students will be qualified to seek careers conducting research in academia and in other institutional and applied settings. Areas of

study in which faculty supervise students are: Cognitive Psychology, Neuroscience, Developmental Psychology, and Quantitative/Experimental Psychology.

The program operates on a mentor model in which students work under the supervision of an identified faculty mentor. We welcome students from diverse backgrounds and encourage research in topics related to multiculturalism and diversity.

For more information about your program, including your graduate program handbook and learning outcomes, please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

The program is accredited by the American Psychological Association.

All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.

Clinical Psychology Tracks

The Psychology PhD, Clinical tracks currently admits only students seeking a doctoral degree. The program admits students for matriculation only in the fall semester. Applicants will be notified of their status by April 15. We anticipate entering classes of 8-10 students each year.

- Typical admitted students have GPAs of 3.7 and GRE scores of 157.
- A bachelor's degree from an accredited institution or a master's degree or equivalent from an accredited institution. We strongly recommend that applicants have a degree in psychology. Applicants should have completed a minimum of 18 hours of undergraduate psychology courses including Statistics, Abnormal Psychology, and Research Methods. Applicants are also expected to demonstrate foundational knowledge competency in Cognitive Psychology, Developmental Psychology, Physiological Psychology, Social Psychology, and History of Psychology.
- Foundational competency in each area can be demonstrated by either 1) a grade of B- or better in a relevant undergraduate course; or 2) a score at or above the 70th percentile in the relevant area of the Graduate Record Examination (GRE) Psychology Subject Test. Applicants can be admitted without having achieved these foundational competencies, but should attempt to meet them prior to entering the program. If competencies are not met prior to entering the program, they can be remediated after entering the program during the first two years of study by taking necessary undergraduate coursework or the GRE Psychology Subject Test with relevant scores at or above the 70th percentile.

- Satisfactory scores on the Graduate Record Examination (GRE) General Test. The GRE Psychology Subject Test is recommended but not required. Current GRE Board policy states that your scores are retained for the five testing years following the testing year. Applicants must have official scores sent to UNLV (GRE code 4861) and may also submit unofficial scores in their online application.
- Applicants must have official transcripts from all colleges and universities attended (even if credits were transferred) sent to UNLV and should upload unofficial versions of their transcripts directly into their online applications.
- Three letters of recommendation that evaluate the applicant's potential for doctoral studies in a scientist practitioner model training program.
- A letter of intent written by the applicant. This letter should describe your clinical and research interests, education and professional goals, a primary faculty member with whom you wish to work, and any other factors that you would want the admissions committee to consider in evaluating your application. We welcome you to comment on how you contribute to or benefit from our multicultural community.
- A current curriculum vitae.
- A personal interview with members of the program faculty is required for finalists in the selection process. Typically applicants who are finalists are notified by early February of the program's interview day." Alternative interviews may be scheduled under unique circumstances.

Note: Strong applicants who fail to meet one of the Clinical Programs admission requirements may still be considered for admission.

Psychological & Brain Sciences Tracks

The Psychological & Brain Sciences areas of study currently admit only students seeking a doctoral degree. The program admits students for matriculation only in the fall semester. The application deadline is December 1st before the fall for which matriculation is being requested. Review of completed applications will continue until all positions are filled. Applicants are encouraged to submit their materials as early as possible.

- A bachelor's degree from an accredited institution with a minimum GPA of 3.20 (A = 4.00) or a master's degree or equivalent from an accredited institution with a minimum GPA of 3.50.
- Applicants with a bachelor's degree must have completed at least 18 hours in undergraduate psychology courses including Statistics and Research Methods or their equivalents. Post-master students entering the Quantitative/Experimental area of study that are lacking sufficient background in statistics will complete PSY 708 and PSY 709 prior to taking elective credits.

- Satisfactory scores on the Verbal and Quantitative sections of the Graduate Record Examination (GRE).
- Three letters of recommendation.
- A statement of purpose written by the applicant.
- Admission to the program will be based on a mentoring model. Students under serious consideration for admission to the Psychological & Brain Sciences Tracks, Psychology Ph.D. Program are required to have a personal interview with the sponsoring faculty member and at least two other program faculty members. If a personal interview is not financially or pragmatically feasible, a telephone interview may be substituted.

Note: Strong applicants who fail to meet one of the Psychological & Brain Sciences Program admission requirements may still be considered for admission.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding subplans within the described program are subject to change at any time.

Plan Requirements

See Subplan Requirements below.

Subplan 1: Post-Bachelor's – Clinical Psychology

Subplan 2: Post-Master's – Clinical Psychology

Subplan 3: Post-Bachelor's – Quantitative/Experimental

Subplan 4: Post-Bachelor's – Cognitive

Subplan 5: Post-Bachelor's – Neuroscience

Subplan 6: Post-Bachelor's – Developmental

Subplan 7: Post-Master's – Quantitative/Experimental

Subplan 8: Post-Master's – Cognitive

Subplan 9: Post-Master's – Neuroscience

Subplan 10: Post-Master's – Developmental

Subplan 1 Requirements: Post-Bachelor's - Clinical Psychology

Total Credits Required: 93

Course Requirements

Clinical Foundation Courses – Credits: 21

Students are precluded from transferring/waiving credit for the Clinical Foundation courses.

- PSY 723 - Assessment I: Cognitive and Academic Assessment
- PSY 724 - Assessment II: Personality and Psychopathology
- PSY 725 - Intervention with Children
- PSY 726 - Intervention with Adults
- PSY 736 - Psychopathology

- PSY 750 - Diversity in Professional Psychology
- PSY 755 - Ethics and Professional Issues

Research Methods, Statistics, and Psychometric Courses
– Credits: 12

- PSY 707 - Research Methods
- PSY 708 - Statistics for Psychologists I
- PSY 709 - Statistics for Psychologists II
- PSY 712 - Psychometrics

Practicum – Credits: 6

Complete 6 credits of practicum in spring and fall semesters of the second year of study.

- PSY 767 - Practicum

Elective Courses - Credits: 3

Complete 3 credits of a 700 level psychology course (except PSY 767: Practicum; PSY 769: Thesis; PSY 770: Dissertation; or PSY 771: Professional Internship).

No more than six elective credits toward the MA and PhD degree may be fulfilled with PSY 766: Independent Study, PSY 768: Independent Research or a combination of the two.

700-level courses offered by other departments may fulfill the elective requirement with approval.

Thesis – Credits: 6

Enroll in thesis credits starting in the semester the thesis is formally proposed.

- PSY 769 - Thesis
Students are eligible to receive an MA degree after completing 6 credits of PSY 769 - Thesis and the requirements above.

Advanced Integrative Knowledge Courses – Credits: 6

These courses are typically taken in the fall and spring semesters of the third year of study:

- PSY 720 - Systems and Cognitive Neuroscience
- PSY 722 - Developmental and Social Psychology

Elective Courses – Credits: 12

Complete 12 credits of 700 level psychology courses (except PSY 767: Practicum; PSY 769: Thesis; PSY 770: Dissertation; or PSY 771: Professional Internship).

No more than six elective credits may be fulfilled with PSY 766: Independent Study, PSY 768: Independent Research or a combination of the two.

700-level courses offered by other departments may fulfill the elective requirement with approval.

Practicum – Credits: 12

Complete 12 credits of practicum in spring and fall semesters of the third and fourth years of study.

- PSY 767 - Practicum

Internship – Credits: 3

Complete a full calendar year APA-approved clinical psychology internship. Take one credit of PSY 771 Professional Internship in the fall, spring, and summer during internship year.

- PSY 771 - Professional Internship

Dissertation – Credits: 12

Enroll in dissertation credits starting in the semester the dissertation is formally proposed. Continuous enrollment required until dissertation is defended.

- PSY 770 - Dissertation

Degree Requirements

1. En route to doctoral candidacy the student must complete the requirements for a master's degree in psychology, and complete 6 credits of thesis over a minimum of 2 semesters. The thesis must be proposed and defended orally.
2. In addition to a master's degree in Psychology equivalent to the one previously described (48 credits), a minimum of 45 semester hours in graduate psychology is required for the doctoral degree.
3. Comprehensive Examination. The Comprehensive examination for the doctoral program will consist of an examination administered once in the summer of each year. Students may take the exam after they have completed the Clinical Foundation Courses; Research Methods, Statistics, and Psychometric Courses; Elective Courses; Practicum I and II; and the Master's thesis. Students typically complete the examination in the summer between the third and fourth year of study.
4. Electives consist of any 700-level Psychology courses excluding PSY 767: Practicum; PSY 769: Thesis; PSY 770: Dissertation; or PSY 771: Professional Internship. No more than six elective credits may be fulfilled with PSY 766: Independent Study, PSY 768: Independent Research or a combination of the two. 700-level courses offered by other departments may fulfill the elective requirement with approval.
5. Students must obtain a grade of B- or better in each course taken for that course to count toward the degree. One grade below a B- (i.e. C+ or lower) will result in probation. Once on probation for receiving a grade below a B-, a second grade (in the same or different classes) below a B-, will result in immediate separation from the program. If a student re-takes a course in which s/he received a grade lower than a B- (i.e. C+ or lower) and earns a B- or better, s/he will be removed from probation. A student may only be on academic probation twice during their graduate career in Psychology; a third probation will result in separation from the program. No student shall be allowed more than two simultaneous grades of

incomplete, except in the case of a documented and approved medical leave.

6. Students must conform to all policies of the UNLV Graduate College, as stated in the UNLV Graduate Catalog, those stated in the UNLV Clinical Psychology Doctoral Program Student Handbook, and the American Psychological Association Code of Ethics. Students will be evaluated at least yearly across all program competencies. Inadequate performance in one or more competency may result in the imposition of additional requirements, loss of Graduate Assistantship, probation, or separation from the program.
7. If the program determines that a student is not making satisfactory progress toward the degree, it may request the Graduate Dean to separate the student from the program or place the student on probation. Failure to meet the conditions of the probation will result in separation from the program.
8. **Transfer Credits.** Admitted clinical students may transfer credits from graduate studies in other programs contingent upon departmental approval and in accordance with Graduate College policy. Transfer Credits will only be considered to fulfill Research Methods, Statistics, and Psychometric courses, Elective courses, Thesis credits, and Discipline Specific and Advanced Integrative Knowledge courses. All courses must be completed with a minimum grade of B- or better in order to meet program requirements.
9. Students must take a minimum of 6 credits of thesis over two semesters which may include summers. Students should enroll in thesis credits starting in the semester the thesis is formally proposed.
10. Students must take a minimum of 12 credits of dissertation over four semesters which may include summers. Students should enroll in dissertation credits starting in the semester the dissertation is formally proposed. Continuous enrollment is required until the dissertation is defended. The dissertation must be orally proposed and defended.

Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements for both the Master's and Doctoral portions of the program.
2. The student must submit and successfully defend his/her thesis by the posted deadline. The defense must be advertised and is open to the public. After the thesis defense, the student must electronically submit a properly formatted pdf copy of their thesis to the Graduate College for format check. Once the thesis format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for thesis defenses,

format check submissions, and the final ProQuest submission can be found here.

3. The student must submit and successfully defend his/her dissertation by the posted deadline. The defense must be advertised and is open to the public.
4. After the dissertation defense, the student must electronically submit a properly formatted pdf copy of their dissertation to the Graduate College for format check. Once the dissertation format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for dissertation defenses, format check submissions, and the final ProQuest submission can be found here.

Subplan 2 Requirements: Post-Master's - Clinical Psychology

Total Credits Required: 54

Course Requirements

Clinical Foundation Courses – Credits: 21

Students are precluded from transferring/waiving credit for the Clinical Foundation courses.

- PSY 723 - Assessment I: Cognitive and Academic Assessment
- PSY 724 - Assessment II: Personality and Psychopathology
- PSY 725 - Intervention with Children
- PSY 726 - Intervention with Adults
- PSY 736 - Psychopathology
- PSY 750 - Diversity in Professional Psychology
- PSY 755 - Ethics and Professional Issues

Practicum – Credits: 18

Complete 18 credits of practicum in spring and fall semesters of the, second, third, and fourth years of study.

- PSY 767 - Practicum

Internship – Credits: 3

Complete a full calendar year APA-approved clinical psychology internship.

- PSY 771 - Professional Internship

Dissertation – Credits: 12

Enroll in dissertation credits starting in the semester the dissertation is formally proposed. Continuous enrollment required until dissertation is defended.

- PSY 770 - Dissertation

Degree Requirements

1. Students entering the Clinical Psychology doctoral program with a Master's degree equivalent to the one previously described in Subplan 1 (48 credits)

will be required to complete a minimum of 54 credits that include the Clinical Foundation Courses (21 credits), Practicum (18 credits), Internship (3 credits), and Dissertation (12 Credits). For these students, the number of required courses for the PhD will be determined in consultation with the Director of Clinical Training. Additional credits will be required to address deficiencies or build specialized expertise.

2. **Comprehensive Examination.** The Comprehensive examination for the doctoral program will consist of an examination administered once in the summer of each year. Students may take the exam after they have completed the Clinical Foundation Courses; Research Methods, Statistics, and Psychometric Courses; Elective Courses; Practicum I and II; and the Master's thesis. Students typically complete the examination in the summer between the third and fourth year of study.
3. **Electives** consist of any 700-level Psychology courses excluding PSY 767: Practicum; PSY 769: Thesis; PSY 770: Dissertation; or PSY 771: Professional Internship. Up to six elective credits may be fulfilled with PSY 766: Independent Study, PSY 768: Independent Research or a combination of the two. 700-level courses offered by other departments may fulfill the elective requirement with approval.
4. Students must obtain a grade of B- or better in each course taken for that course to count toward the degree. One grade below a B- (i.e. C+ or lower) will result in probation. Once on probation for receiving a grade below a B-, a second grade (in the same or different classes) below a B-, will result in immediate separation from the program. If a student re-takes a course in which s/he received a grade lower than a B- (i.e. C+ or lower) and earns a B- or better, s/he will be removed from probation. A student may only be on academic probation twice during their graduate career in Psychology; a third probation will result in separation from the program. No student shall be allowed more than two simultaneous grades of incomplete, except in the case of a documented and approved medical leave.
5. Students must conform to all policies of the UNLV Graduate College, as stated in the UNLV Graduate Catalog, those stated in the UNLV Clinical Psychology Doctoral Program Student Handbook, and the American Psychological Association Code of Ethics. Students will be evaluated at least yearly across all program competencies. Inadequate performance in one or more competency may result in the imposition of additional requirements, loss of Graduate Assistantship, probation, or separation from the program.
6. If the program determines that a student is not making satisfactory progress toward the degree, it may request the Graduate Dean to separate the student from the program or place the student on probation.

Failure to meet the conditions of the probation will result in separation from the program.

7. **Transfer Credits.** Admitted clinical students may transfer credits from graduate studies in other programs contingent upon departmental approval and in accordance with Graduate College policy. Transfer Credits will only be considered to fulfill Research Methods, Statistics, and Psychometric courses, Elective courses, Thesis credits, and Discipline Specific and Advanced Integrative Knowledge courses. All courses must be completed with a minimum grade of B- or better in order to meet program requirements.
8. Students must take a minimum of 12 credits of dissertation over four semesters which may include summers. Students should enroll in dissertation credits starting in the semester the dissertation is formally proposed.

Graduation Requirements

1. Students must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing their degree requirements.
2. Students must submit and successfully defend their dissertation by the posted deadline. The defense must be advertised and is open to the public.
3. After the dissertation defense, the student must electronically submit a properly formatted pdf copy of their dissertation to the Graduate College for format check. Once the dissertation format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for dissertation defenses, format check submissions, and the final ProQuest submission can be found here.

*Subplan 3 Requirements: Post-Bachelor's
- Quantitative/Experimental*

Total Credits Required: 72

Course Requirements

Required Courses – Credits: 12

- PSY 707 - Research Methods
- PSY 708 - Statistics for Psychologists I
- PSY 709 - Statistics for Psychologists II
- PSY 756 - Ethics, Professional Issues, and Diversity in Psychological & Brain Sciences

Proseminar Course – Credits: 6

Complete the following course each semester during the first two years of study.

- PSY 758 - Proseminar in Psychological & Brain Sciences

Breadth Courses – Credits: 3

Complete one course from one of the following options:

Option 1:

- PSY 704 - Social Psychology

Option 2:

- PSY 701 - Biological Bases of Behavior
- PSY 719 - Cellular and Molecular Neuroscience
- PSY 720 - Systems and Cognitive Neuroscience

Option 3:

- PSY 703 - Cognitive Psychology
- PSY 718 - Cognitive Science

Option 4:

- PSY 705 - Developmental Psychology
- PSY 721 - Developmental Science

Elective Courses – Credits: 6

Complete 6 credits of 700-level Psychology courses, or 600/700-level advisor-approved courses offered by other departments.

Thesis – Credits: 6

- PSY 769 - Thesis

After successfully completing the requirements above, students are eligible to earn the Master of Arts – Psychology.

Breadth Courses – Credits: 3

Complete one course from one of the following options that has not been applied to the master's degree:

Option 1:

- PSY 704 - Social Psychology

Option 2:

- PSY 701 - Biological Bases of Behavior
- PSY 719 - Cellular and Molecular Neuroscience
- PSY 720 - Systems and Cognitive Neuroscience

Option 3:

- PSY 703 - Cognitive Psychology
- PSY 718 - Cognitive Science

Option 4:

- PSY 705 - Developmental Psychology
- PSY 721 - Developmental Science

Qualifying Activity - Credits: 3

Complete one of the following: write one large paper or three smaller papers, or take an oral or written comprehensive exam. Register in PSY 773 when defending the qualifying paper(s) or comprehensive exam.

- PSY 773 - Qualifying Activity

Elective Courses – Credits: 21

Complete 21 credits of 700-level Psychology courses, or 600/700-level advisor-approved courses offered by other departments. Students should use their elective credits to specialize in some area of quantitative/experimental psychology. Students will construct their course structures in collaboration with their mentors. See the Psychological & Brain Sciences Ph.D. Program Handbook for potential areas of specialization and proposed course plans for these areas of specialization. One elective typically taken by students is:

- PSY 757 - Teaching of Psychology

Dissertation – Credits: 12

- PSY 770 - Dissertation

Degree Requirements

1. En route to doctoral candidacy the student must complete the requirements for a master's degree in Psychological & Brain Sciences and complete 6 credits of thesis over a minimum of 2 semesters.
2. In addition to a master's degree in Psychological & Brain Sciences equivalent to the one previously described (33 credits), a minimum of 39 credits in graduate coursework is required for the doctoral degree.
3. Student will be required to complete a Qualifying Activity before proposing a Dissertation. The purpose of the qualifying activity is for the student to acquire not only the expertise in a given area, but also the ability to explain, discuss, and debate questions within that and related areas. Students may choose, in consultation with their advisor, from the following qualifying activities: one extensive qualifying paper, three brief papers, a written examination, or an oral examination.
4. Students must obtain a grade of B- or better in each course taken for that course to count toward the degree. One grade below a B- (i.e., C+ or lower) will result in probation. Once a student is on probation for receiving a grade below a B-, a second grade (in the same or a different class) below a B-, will result in immediate separation from the program. If a student re-takes a course in which s/he received a grade lower than a B- (i.e., C+ or lower) and earns a B- or better, s/he will be removed from probation. A student may be on academic probation only twice during their graduate career in Psychological & Brain Sciences; a third probation will result in separation from the program. No student shall be allowed more than two simultaneous grades of incomplete, except in the case of a documented and approved medical leave.
5. Students must conform to all policies of the UNLV Graduate College, as stated in the UNLV Graduate Catalog, those stated in the UNLV Psychological & Brain Sciences Doctoral Program Student Handbook, and the American Psychological Association Code

of Ethics. Students will be evaluated at least yearly across several professional competencies in the following three areas: (1) academic performance; (2) scholarly research activity; and (3) ethical behavior and professional conduct. If the program determines that a student is not making satisfactory progress toward the degree, it may request the Graduate Dean to separate the student from the program or place the student on probation. Failure to meet the conditions of the probation will result in separation from the program.

6. Students must take a minimum of four semesters of dissertation which can include summers. The dissertation must be orally proposed and defended.

Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements for both the Master's and Doctoral portions of the program.
2. The student must submit and successfully defend his/her thesis by the posted deadline. The defense must be advertised and is open to the public.
3. After the thesis defense, the student must electronically submit a properly formatted pdf copy of their thesis to the Graduate College for format check. Once the thesis format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for thesis defenses, format check submissions, and the final ProQuest submission can be found here.
4. The student must submit and successfully defend his/her dissertation by the posted deadline. The defense must be advertised and is open to the public.
5. After the dissertation defense, the student must electronically submit a properly formatted pdf copy of their dissertation to the Graduate College for format check. Once the dissertation format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for dissertation defenses, format check submissions, and the final ProQuest submission can be found here.

Subplan 4 Requirements: Post-Bachelor's - Cognitive

Total Credits Required: 72

Course Requirements

Required Courses – Credits: 9

- PSY 708 - Statistics for Psychologists I
- PSY 709 - Statistics for Psychologists II
- PSY 756 - Ethics, Professional Issues, and Diversity in Psychological & Brain Sciences

Proseminar Course – Credits: 6

Complete the following course each semester during the first two years of study:

- PSY 758 - Proseminar in Psychological & Brain Sciences

Cognitive Emphasis Courses – Credits: 6

Complete two of the following courses:

- PSY 717 - Cognitive Methods
- PSY 718 - Cognitive Science
- PSY 720 - Systems and Cognitive Neuroscience

Elective Courses – Credits: 6

Complete 6 credits of 700-level Psychology courses, or other 700-level advisor-approved courses offered by other departments. Courses at the 600-level offered by other departments require approval by the advisor and the Psychological & Brain Sciences Program Director.

Thesis – Credits: 6

- PSY 769 - Thesis

After successfully completing the requirements above, students are eligible to earn the Master of Arts in Psychology.

Cognitive Emphasis Courses – Credits: 3

Complete the course that has not been applied to the master's degree:

- PSY 717 - Cognitive Methods
- PSY 718 - Cognitive Science
- PSY 720 - Systems and Cognitive Neuroscience

Cognitive Seminar Courses – Credits: 3

Complete one of the following seminar courses:

- PSY 747 - Topics in Perception
- PSY 748 - Topics in Memory:
- PSY 749 - Topics in Cognitive Processes:

Qualifying Activity - Credits: 3

Complete one of the following: write one large paper or three smaller papers, or take an oral or written comprehensive exam. Register in PSY 773 when defending the qualifying paper(s) or comprehensive exam.

- PSY 773 - Qualifying Activity

Elective Courses – Credits: 18

Complete 18 credits of 700-level Psychology courses, or other 700-level advisor-approved courses offered by other departments. Courses at the 600-level offered by other departments require approval by the advisor and the Psychological & Brain Sciences Program Director. One elective typically taken by students is:

- PSY 757 - Teaching of Psychology

Dissertation – Credits: 12

- PSY 770 - Dissertation

Degree Requirements

1. En route to doctoral candidacy the student must complete the requirements for a master's degree in psychology, and complete 6 credits of thesis over a minimum of 2 semesters.
2. In addition to a master's degree in psychology equivalent to the one previously described (33 credits), a minimum of 39 credits in graduate psychology is required for the doctoral degree.
3. Students will be required to complete a Qualifying Activity before proposing a Dissertation. The purpose of the qualifying activity is for the student to acquire not only the expertise in a given area but also the ability to explain, discuss, and debate questions within that and related areas. Students may choose, in consultation with their advisor, from the following qualifying activities: one extensive qualifying paper, three brief papers, a written examination, or an oral examination.
4. Students must obtain a grade of B- or better in each course taken for that course to count toward the degree. One grade below a B- (i.e., C+ or lower) will result in probation. Once a student is on probation for receiving a grade below a B-, a second grade (in the same or a different class) below a B- will result in immediate separation from the program. If a student retakes a course in which he or she received a grade lower than a B- (i.e., C+ or lower) and earns a B- or better, that student will be removed from probation. A student may be on academic probation only twice during their graduate career in Psychological & Brain Sciences; a third probation will result in separation from the program. No student shall be allowed more than two simultaneous grades of incomplete, except in the case of a documented and approved medical leave.
5. Students must conform to all policies of the UNLV Graduate College as stated in the UNLV Graduate Catalog, those policies stated in the UNLV Psychological & Brain Sciences Doctoral Program Student Handbook, and the American Psychological Association Code of Ethics. Students will be evaluated at least yearly across several professional competencies in the following three areas: (1) academic performance; (2) scholarly research activity; and (3) ethical behavior and professional conduct. If the program determines that a student is not making satisfactory progress toward the degree, it may request the Graduate Dean to separate the student from the program or place the student on probation. Failure to meet the conditions of the probation will result in separation from the program.
6. Students must take a minimum of four semesters of dissertation, which can include summers. The dissertation must be orally proposed and defended.

Graduation Requirements

1. Students must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing their degree requirements for both the master's and doctoral portions of the program.
2. Students must submit and successfully defend their thesis by the posted deadline. The defense must be advertised and is open to the public.
3. After the thesis defense, the student must electronically submit a properly formatted pdf copy of their thesis to the Graduate College for format check. Once the thesis format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for thesis defenses, format check submissions, and the final ProQuest submission can be found here.
4. Students must submit and successfully defend their dissertation by the posted deadline. The defense must be advertised and is open to the public.
5. After the dissertation defense, the student must electronically submit a properly formatted pdf copy of their dissertation to the Graduate College for format check. Once the dissertation format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for dissertation defenses, format check submissions, and the final ProQuest submission can be found here.

Subplan 5 Requirements: Post-Bachelor's - Neuroscience

Total Credits Required: 72

Course Requirements

Required Courses – Credits: 15

Complete the following courses:

- PSY 708 - Statistics for Psychologists I
- PSY 709 - Statistics for Psychologists II
- PSY 719 - Cellular and Molecular Neuroscience
- PSY 720 - Systems and Cognitive Neuroscience
- PSY 756 - Ethics, Professional Issues, and Diversity in Psychological & Brain Sciences

Proseminar Course – Credits: 6

Complete the following course each semester during the first two years of study.

- PSY 758 - Proseminar in Psychological & Brain Sciences

Elective Courses – Credits: 6

Complete 6 credits of 700-level Psychology courses, or other 700-level advisor-approved courses offered by other departments. 600-level courses offered by other

departments require advisor approval and concurrence by the Psychological & Brain Sciences Program Director.

Thesis – Credits: 6

- PSY 769 - Thesis

After successfully completing the requirements above, students are eligible to earn the Master of Arts – Psychology.

Qualifying Activity - Credits: 3

Complete one of the following: write one large paper or three smaller papers, or take an oral or written comprehensive exam. Register in PSY 773 when defending the qualifying paper(s) or comprehensive exam.

- PSY 773 - Qualifying Activity

Elective Courses – Credits: 24

Complete 24 credits of 700-level Psychology courses, or other 700-level advisor-approved courses offered by other departments. 600-level courses offered by other departments require advisor approval and concurrence by the Psychological & Brain Sciences Program Director. One elective typically taken by students is:

- PSY 757 - Teaching of Psychology

Dissertation – Credits: 12

- PSY 770 - Dissertation

Degree Requirements

1. En route to doctoral candidacy the student must complete the requirements for a master's degree in psychology, and complete 6 credits of thesis over a minimum of 2 semesters.
2. In addition to a master's degree in Psychology equivalent to the one previously described (33 credits), a minimum of 39 credits in graduate psychology is required for the doctoral degree.
3. Student will be required to complete a Qualifying Activity before proposing a Dissertation. The purpose of the qualifying activity is for the student to acquire not only the expertise in a given area, but also the ability to explain, discuss, and debate questions within that and related areas. Students may choose, in consultation with their advisor, from the following qualifying activities: one extensive qualifying paper, three brief papers, a written examination, or an oral examination.
4. Students must obtain a grade of B- or better in each course taken for that course to count toward the degree. One grade below a B- (i.e., C+ or lower) will result in probation. Once a student is on probation for receiving a grade below a B-, a second grade (in the same or a different class) below a B-, will result in immediate separation from the program. If a student re-takes a course in which s/he received a grade lower than a B- (i.e. C+ or lower) and earns a B- or better, s/he will be removed from probation. A student

may be on academic probation only twice during their graduate career in Psychological & Brain Sciences; a third probation will result in separation from the program. No student shall be allowed more than two simultaneous grades of incomplete, except in the case of a documented and approved medical leave.

5. Students must conform to all policies of the UNLV Graduate College, as stated in the UNLV Graduate Catalog, those stated in the UNLV Psychological & Brain Sciences Doctoral Program Student Handbook, and the American Psychological Association Code of Ethics. Students will be evaluated at least yearly across several professional competencies in the following three areas: (1) academic performance; (2) scholarly research activity; and (3) ethical behavior and professional conduct. If the program determines that a student is not making satisfactory progress toward the degree, it may request the Graduate Dean to separate the student from the program or place the student on probation. Failure to meet the conditions of the probation will result in separation from the program.
6. Students must take a minimum of four semesters of dissertation which can include summers. The dissertation must be orally proposed and defended.

Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements for both the Master's and Doctoral portions of the program.
2. The student must submit and successfully defend his/her thesis by the posted deadline. The defense must be advertised and is open to the public.
3. After the thesis defense, the student must electronically submit a properly formatted pdf copy of their thesis to the Graduate College for format check. Once the thesis format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for thesis defenses, format check submissions, and the final ProQuest submission can be found here.
4. The student must submit and successfully defend his/her dissertation by the posted deadline. The defense must be advertised and is open to the public.
5. After the dissertation defense, the student must electronically submit a properly formatted pdf copy of their dissertation to the Graduate College for format check. Once the dissertation format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for dissertation defenses, format check submissions, and the final ProQuest submission can be found here.

Subplan 6 Requirements: Post-Bachelor's-Developmental

Total Credits Required: 72

Course Requirements

Required Courses – Credits: 12

- PSY 708 - Statistics for Psychologists I
- PSY 709 - Statistics for Psychologists II
- PSY 713 - Developmental Research
- PSY 756 - Ethics, Professional Issues, and Diversity in Psychological & Brain Sciences

Proseminar Course – Credits: 6

Complete the following course each semester during the first two years of study.

- PSY 758 - Proseminar in Psychological & Brain Sciences

Developmental Science Course – Credits: 3

Complete 3 credits of the following course:

- PSY 721 - Developmental Science

Elective Courses – Credits: 6

Complete 6 credits of 700-level Psychology courses, or other 700-level advisor-approved courses offered by other departments. 600-level courses offered by other departments require advisor approval and concurrence by the Psychological & Brain Sciences Program Director.

Thesis – Credits: 6

- PSY 769 - Thesis

After successfully completing the requirements above, students are eligible to earn the Master of Arts – Psychology.

Developmental Seminar Course – Credits: 3

Complete 3 credits of the following course:

- PSY 740 - Topics in Developmental Psychology

Breadth Courses – Credits: 6

Complete 6 credits of courses from two different options that have not been applied to the master's degree:

Option 1)

PSY 704 - Social Psychology

Option 2)

- PSY 701 - Biological Bases of Behavior
 - PSY 719 - Cellular and Molecular Neuroscience
- or

- PSY 720 - Systems and Cognitive Neuroscience

Option 3)

- PSY 703 - Cognitive Psychology

or

- PSY 718 - Cognitive Science

Qualifying Activity - Credits: 3

Complete one of the following: write one large paper or three smaller papers, or take an oral or written comprehensive exam. Register in PSY 773 when defending the qualifying paper(s) or comprehensive exam.

- PSY 773 - Qualifying Activity

Elective Courses – Credits: 15

Complete 15 credits of 700-level Psychology courses, or other 700-level advisor-approved courses offered by other departments. 600-level courses offered by other departments require advisor approval and concurrence by the Psychological & Brain Sciences Program Director. One elective typically taken by students is:

- PSY 757 - Teaching of Psychology

Dissertation – Credits: 12

- PSY 770 - Dissertation

Degree Requirements

1. En route to doctoral candidacy the student must complete the requirements for a master's degree in psychology, and complete 6 credits of thesis over a minimum of 2 semesters.
2. In addition to a master's degree in Psychology equivalent to the one previously described (33 credits), a minimum of 39 credits in graduate coursework is required for the doctoral degree.
3. Student will be required to complete a Qualifying Activity before proposing a Dissertation. The purpose of the qualifying activity is for the student to acquire not only the expertise in a given area, but also the ability to explain, discuss, and debate questions within that and related areas. Students may choose, in consultation with their advisor, from the following qualifying activities: one extensive qualifying paper, three brief papers, a written examination, or an oral examination.
4. Students must obtain a grade of B- or better in each course taken for that course to count toward the degree. One grade below a B- (i.e., C+ or lower) will result in probation. Once a student is on probation for receiving a grade below a B-, a second grade (in the same or a different class) below a B-, will result in immediate separation from the program. If a student re-takes a course in which s/he received a grade lower than a B- (i.e., C+ or lower) and earns a B- or better, s/he will be removed from probation. A student may be on academic probation only twice during their graduate career in Psychological & Brain Sciences; a third probation will result in separation from the program. No student shall be allowed more than two simultaneous grades of incomplete, except in the case of a documented and approved medical leave.
5. Students must conform to all policies of the UNLV

Graduate College, as stated in the UNLV Graduate Catalog, those stated in the UNLV Psychological & Brain Sciences Doctoral Program Student Handbook, and the American Psychological Association Code of Ethics. Students will be evaluated at least yearly across several professional competencies in the following three areas: (1) academic performance; (2) scholarly research activity; and (3) ethical behavior and professional conduct. If the program determines that a student is not making satisfactory progress toward the degree, it may request the Graduate Dean to separate the student from the program or place the student on probation. Failure to meet the conditions of the probation will result in separation from the program.

6. Students must take a minimum of four semesters of dissertation which can include summers. The dissertation must be orally proposed and defended.

Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements for both the Master's and Doctoral portions of the program.
2. The student must submit and successfully defend his/her thesis by the posted deadline. The defense must be advertised and is open to the public.
3. After the thesis defense, the student must electronically submit a properly formatted pdf copy of their thesis to the Graduate College for format check. Once the thesis format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for thesis defenses, format check submissions, and the final ProQuest submission can be found here.
4. The student must submit and successfully defend his/her dissertation by the posted deadline. The defense must be advertised and is open to the public.
5. After the dissertation defense, the student must electronically submit a properly formatted pdf copy of their dissertation to the Graduate College for format check. Once the dissertation format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for dissertation defenses, format check submissions, and the final ProQuest submission can be found here.

*Subplan 7 Requirements: Post-Master's
- Quantitative/Experimental*

Total Credits Required: 42

Course Requirements

Required Courses – Credits: 6

- PSY 707 - Research Methods

- PSY 756 - Ethics, Professional Issues, and Diversity in Psychological & Brain Sciences

Proseminar Course – Credits: 6

Complete the following course each semester during the first two years of study:

- PSY 758 - Proseminar in Psychological & Brain Sciences

Qualifying Activity - Credits: 3

Complete one of the following: write one large paper or three smaller papers, or take an oral or written comprehensive exam. Register in PSY 773 when defending the qualifying paper(s) or comprehensive exam.

- PSY 773 - Qualifying Activity

Elective Courses – Credits: 15

Complete 15 credits of 700-level Psychology courses, or 600/700-level advisor-approved courses offered by other departments. Students should use their elective credits to specialize in some area of quantitative/experimental psychology. Students will construct their course structures in collaboration with their mentors. See the Psychological & Brain Sciences courses Ph.D. Program Handbook for potential areas of specialization and proposed course plans for these areas of specialization. One elective typically taken by students is:

- PSY 757 - Teaching of Psychology

Dissertation – Credits: 12

- PSY 770 - Dissertation

Degree Requirements

1. Students must complete a minimum of 42 credit hours with a minimum GPA of 3.00. Additional credits may be required to address student deficiencies or build specialized expertise.
2. Students will be required to complete a Qualifying Activity before proposing a Dissertation. The purpose of the qualifying activity is for the student to acquire not only the expertise in a given area but also the ability to explain, discuss, and debate questions within that and related areas. Students may choose, in consultation with their advisor, from the following qualifying activities: one extensive qualifying paper, three brief papers, a written examination, or an oral examination.
3. Students must obtain a grade of B- or better in each course taken for that course to count toward the degree. One grade below a B- (i.e., C+ or lower) will result in probation. Once a student is on probation for receiving a grade below a B-, a second grade (in the same or a different class) below a B- will result in immediate separation from the program. If a student retakes a course in which he or she received a grade lower than a B- (i.e., C+ or lower) and earns a B- or better, that student will be removed from probation.

A student may be on academic probation only twice during their graduate career in Psychological & Brain Sciences; a third probation will result in separation from the program. No student shall be allowed more than two simultaneous grades of incomplete, except in the case of a documented and approved medical leave.

4. Students must conform to all policies of the UNLV Graduate College as stated in the UNLV Graduate Catalog, those policies stated in the UNLV Psychological & Brain Sciences Doctoral Program Student Handbook, and the American Psychological Association Code of Ethics. Students will be evaluated at least yearly across several professional competencies in the following three areas: (1) academic performance; (2) scholarly research activity; and (3) ethical behavior and professional conduct. If the program determines that a student is not making satisfactory progress toward the degree, it may request the Graduate Dean to separate the student from the program or place the student on probation. Failure to meet the conditions of the probation will result in separation from the program.
5. Students must take a minimum of four semesters of dissertation, which can include summers. The dissertation must be orally proposed and defended.

Graduation Requirements

1. Students must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing their degree requirements for the doctoral portions of the program.
2. Students must submit and successfully defend their dissertation by the posted deadline. The defense must be advertised and is open to the public.
3. After the dissertation defense, the student must electronically submit a properly formatted pdf copy of their dissertation to the Graduate College for format check. Once the dissertation format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for dissertation defenses, format check submissions, and the final ProQuest submission can be found here.

Subplan 8 Requirements: Post-Master's - Cognitive

Total Credits Required: 42

Course Requirements

Required Courses – Credits: 9

- PSY 708 - Statistics for Psychologists I
- PSY 709 - Statistics for Psychologists II
- PSY 756 - Ethics, Professional Issues, and Diversity in Psychological & Brain Sciences

Proseminar Course – Credits: 6

Complete the following course each semester during the first two years of study:

- PSY 758 - Proseminar in Psychological & Brain Sciences

Cognitive Emphasis Courses – Credits: 9

- PSY 717 - Cognitive Methods
- PSY 718 - Cognitive Science
- PSY 720 - Systems and Cognitive Neuroscience

Cognitive Seminar Courses – Credits: 3

Complete 3 credits from the following list of courses:

- PSY 747 - Topics in Perception
- PSY 748 - Topics in Memory:
- PSY 749 - Topics in Cognitive Processes:

Qualifying Activity – Credits: 3

Complete one of the following: write one large paper or three smaller papers, or take an oral or written comprehensive exam. Register in PSY 773 when defending the qualifying paper(s) or comprehensive exam.

- PSY 773 - Qualifying Activity

Dissertation – Credits: 12

- PSY 770 - Dissertation

Degree Requirements

1. Students must complete a minimum of 42 credit hours with a minimum GPA of 3.00. Additional credits may be required to address student deficiencies or build specialized expertise.
2. Students will be required to complete a Qualifying Activity before proposing a Dissertation. The purpose of the qualifying activity is for the student to acquire not only the expertise in a given area but also the ability to explain, discuss, and debate questions within that and related areas. Students may choose, in consultation with their advisor, from the following qualifying activities: one extensive qualifying paper, three brief papers, a written examination, or an oral examination.
3. Students must obtain a grade of B- or better in each course taken for that course to count toward the degree. One grade below a B- (i.e., C+ or lower) will result in probation. Once a student is on probation for receiving a grade below a B-, a second grade (in the same or a different class) below a B- will result in immediate separation from the program. If a student retakes a course in which he or she received a grade lower than a B- (i.e., C+ or lower) and earns a B- or better, that student will be removed from probation. A student may be on academic probation only twice during their graduate career in Psychological & Brain Sciences; a third probation will result in separation from the program. No student shall be allowed more

than two simultaneous grades of incomplete, except in the case of a documented and approved medical leave.

4. Students must conform to all policies of the UNLV Graduate College as stated in the UNLV Graduate Catalog, those policies stated in the UNLV Psychological & Brain Sciences Doctoral Program Student Handbook, and the American Psychological Association Code of Ethics. Students will be evaluated at least yearly across several professional competencies in the following three areas: (1) academic performance; (2) scholarly research activity; and (3) ethical behavior and professional conduct. If the program determines that a student is not making satisfactory progress toward the degree, it may request the Graduate Dean to separate the student from the program or place the student on probation. Failure to meet the conditions of the probation will result in separation from the program.
5. Students must take a minimum of four semesters of dissertation, which can include summers. The dissertation must be orally proposed and defended.

Graduation Requirements

1. Students must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing their degree requirements.
2. Students must submit and successfully defend their dissertation by the posted deadline. The defense must be advertised and is open to the public.
3. After the dissertation defense, the student must electronically submit a properly formatted pdf copy of their dissertation to the Graduate College for format check. Once the dissertation format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for dissertation defenses, format check submissions, and the final ProQuest submission can be found here.

Subplan 9 Requirements: Post-Master's - Neuroscience

Total Credits Required: 42

Course Requirements

Required Courses – Credits: 15

- PSY 708 - Statistics for Psychologists I
- PSY 709 - Statistics for Psychologists II
- PSY 719 - Cellular and Molecular Neuroscience *
- PSY 720 - Systems and Cognitive Neuroscience *
- PSY 756 - Ethics, Professional Issues, and Diversity in Psychological & Brain Sciences

Proseminar Course – Credits: 6

Complete the following course each semester during the

first two years of study:

- PSY 758 - Proseminar in Psychological & Brain Sciences

Qualifying Activity - Credits: 3

Complete one of the following: write one large paper or three smaller papers, or take an oral or written comprehensive exam. Register in PSY 773 when defending the qualifying paper(s) or comprehensive exam.

- PSY 773 - Qualifying Activity

Elective Courses – Credits: 6

Complete 6 credits of 700-level Psychology courses, or other 700-level advisor-approved courses offered by other departments. 600-level courses offered by other departments require advisor approval and concurrence by the Psychological & Brain Sciences Program Director. One elective typically taken by students is:

- PSY 757 - Teaching of Psychology

Dissertation – Credits: 12

- PSY 770 - Dissertation

Degree Requirements

1. Students must complete a minimum of 42 credit hours with a minimum GPA of 3.00. Additional credits may be required to address student deficiencies or build specialized expertise.
2. Students will be required to complete a Qualifying Activity before proposing a Dissertation. The purpose of the qualifying activity is for the student to acquire not only the expertise in a given area, but also the ability to explain, discuss, and debate questions within that and related areas. Students may choose, in consultation with their advisor, from the following qualifying activities: one extensive qualifying paper, three brief papers, a written examination, or an oral examination.
3. Students must obtain a grade of B- or better in each course taken for that course to count toward the degree. One grade below a B- (i.e., C+ or lower) will result in probation. Once a student is on probation for receiving a grade below a B-, a second grade (in the same or a different class) below a B- will result in immediate separation from the program. If a student retakes a course in which he or she received a grade lower than a B- (i.e., C+ or lower) and earns a B- or better, he or she will be removed from probation. A student may be on academic probation only twice during their graduate career in Psychological & Brain Sciences; a third probation will result in separation from the program. No student shall be allowed more than two simultaneous grades of incomplete, except in the case of a documented and approved medical leave.
4. Students must conform to all policies of the UNLV Graduate College as stated in the UNLV Graduate

Catalog, those policies stated in the UNLV Psychological & Brain Sciences Doctoral Program Student Handbook, and the American Psychological Association Code of Ethics. Students will be evaluated at least yearly across several professional competencies in the following three areas: (1) academic performance; (2) scholarly research activity; and (3) ethical behavior and professional conduct. If the program determines that a student is not making satisfactory progress toward the degree, it may request the Graduate Dean to separate the student from the program or place the student on probation. Failure to meet the conditions of the probation will result in separation from the program.

5. Students must take a minimum of four semesters of dissertation, which can include summers. The dissertation must be orally proposed and defended.

Graduation Requirements

1. Students must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing their degree requirements for the doctoral portions of the program.
2. Students must submit and successfully defend their dissertation by the posted deadline. The defense must be advertised and is open to the public.
3. After the dissertation defense, the student must electronically submit a properly formatted pdf copy of their dissertation to the Graduate College for format check. Once the dissertation format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for dissertation defenses, format check submissions, and the final ProQuest submission can be found here.

Subplan 10 Requirements: Post-Master's - Developmental

Total Credits Required: 42

Course Requirements

Required Courses – Credits: 12

Complete 12 credits from the following list of courses:

- PSY 708 - Statistics for Psychologists I
- PSY 709 - Statistics for Psychologists II
- PSY 713 - Developmental Research
- PSY 756 - Ethics, Professional Issues, and Diversity in Psychological & Brain Sciences

Proseminar Course – Credits: 6

Complete the following course each semester during the first two years of study.

- PSY 758 - Proseminar in Psychological & Brain Sciences

Developmental Science Course – Credits: 3

688 Graduate Catalog • College of Liberal Arts

Complete 3 credits of the following course:

- PSY 721 - Developmental Science

Developmental Seminar Course – Credits: 3

Complete 3 credits of the following course:

- PSY 740 - Topics in Developmental Psychology

Breadth Course – Credits: 3

Complete one course from one of the following options:

Option 1)

- PSY 704 - Social Psychology

Option 2)

- PSY 701 - Biological Bases of Behavior
- PSY 719 - Cellular and Molecular Neuroscience

or

- PSY 720 - Systems and Cognitive Neuroscience

Option 3)

- PSY 703 - Cognitive Psychology

or

- PSY 718 - Cognitive Science

Qualifying Activity - Credits: 3

Complete one of the following: write one large paper or three smaller papers, or take an oral or written comprehensive exam. Register in PSY 773 when defending the qualifying paper(s) or comprehensive exam.

- PSY 773 - Qualifying Activity

Dissertation – Credits: 12

- PSY 770 - Dissertation

Degree Requirements

1. Students must complete a minimum of 42 credit hours with a minimum GPA of 3.00. Additional credits may be required to address student deficiencies or build specialized expertise.
2. Student will be required to complete a Qualifying Activity before proposing a Dissertation. The purpose of the qualifying activity is for the student to acquire not only the expertise in a given area, but also the ability to explain, discuss, and debate questions within that and related areas. Students may choose, in consultation with their advisor, from the following qualifying activities: one extensive qualifying paper, three brief papers, a written examination, or an oral examination.
3. Students must obtain a grade of B- or better in each course taken for that course to count toward the degree. One grade below a B- (i.e., C+ or lower) will result in probation. Once a student is on probation for receiving a grade below a B-, a second grade (in the same or a different class) below a B-, will result in

immediate separation from the program. If a student re-takes a course in which s/he received a grade lower than a B- (i.e., C+ or lower) and earns a B- or better, s/he will be removed from probation. A student may be on academic probation only twice during their graduate career in Psychological & Brain Sciences; a third probation will result in separation from the program. No student shall be allowed more than two simultaneous grades of incomplete, except in the case of a documented and approved medical leave.

4. Students must conform to all policies of the UNLV Graduate College, as stated in the UNLV Graduate Catalog, those stated in the UNLV Experimental Psychological & Brain Sciences Doctoral Program Student Handbook, and the American Psychological Association Code of Ethics. Students will be evaluated at least yearly across several professional competencies in the following three areas: (1) academic performance; (2) scholarly research activity; and (3) ethical behavior and professional conduct. If the program determines that a student is not making satisfactory progress toward the degree, it may request the Graduate Dean to separate the student from the program or place the student on probation. Failure to meet the conditions of the probation will result in separation from the program.
5. Students must take a minimum of four semesters of dissertation which can include summers. The dissertation must be orally proposed and defended.

Graduation Requirements

1. Students must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing their degree requirements.
2. Students must submit and successfully defend their dissertation by the posted deadline. The defense must be advertised and is open to the public. After the dissertation defense, the student must electronically submit a properly formatted pdf copy of their dissertation to the Graduate College for format check.
3. Once the dissertation format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for dissertation defenses, format check submissions, and the final ProQuest submission can be found here.

Plan Graduation Requirements

Refer to your subplan for Graduation Requirements.

Subplan 1: Post-Bachelor's – Clinical Psychology

Subplan 2: Post-Master's – Clinical Psychology

Subplan 3: Post-Bachelor's – Quantitative/Experimental

Subplan 4: Post-Bachelor's – Cognitive

Subplan 5: Post-Bachelor's – Neuroscience

Subplan 6: Post-Bachelor's – Developmental

Subplan 7: Post-Master's – Quantitative/Experimental

Subplan 8: Post-Master's – Cognitive

Subplan 9: Post-Master's – Neuroscience

Subplan 10: Post-Master's – Developmental

Psychology Courses

PSY 701 - Biological Bases of Behavior Credits 3

A detailed examination of the biological processes that underlie behavior including basic structure and function of the nervous system, physiological bases of behavior, and neuroscience approaches to topics such as sensation, perception, learning, memory, emotion, sleep, and development. Prerequisites: Admitted PhD Psychology students only and consent of instructor.

PSY 702 - Sensation and Perception Credits 3

Critical review of major theories and issues in perception research, including a discussion of psychophysical methods, general auditory perception, speech, vision, olfaction, gustation, and touch. Prerequisites: Admitted PhD Psychology students only and consent of instructor.

PSY 703 - Cognitive Psychology Credits 3

Critical review of theory and findings in cognitive psychology, including an evaluation of research in attention, pattern recognition, the representation of events in memory, and language. Prerequisites: Admitted PhD Psychology students only and consent of instructor.

PSY 704 - Social Psychology Credits 3

Overview of current theory and research in social psychology. Both the limitations and implications of social psychological theory explored using current research evidence. Topics include attitude change, social influence, attribution theory, social cognition, and cross-cultural perspectives. Prerequisites: Admitted PhD Psychology students only and PSY 460 and consent of instructor.

PSY 705 - Developmental Psychology Credits 3

Survey of cognitive, social, and emotional development from birth through adolescence. Prerequisites: Admitted PhD Psychology students only and consent of instructor.

PSY 706 - History of Psychology Credits 3

Examination of the forces which have shaped the development of the discipline and the practice of psychology, including antecedents in philosophy, physiology, and psychotherapy. Grading Letter grade Prerequisites: Admitted PhD Psychology students only and consent of instructor.

PSY 707 - Research Methods Credits 3

Advanced treatment of the issues involved in planning, conducting, and evaluating research. Prerequisites: Admitted PhD Psychology students only and consent of instructor.

PSY 708 - Statistics for Psychologists I Credits 3

Treatment of analysis of variance and multiple comparison methods applied to psychological research. Prerequisites: Admitted PhD Psychology students only.

PSY 709 - Statistics for Psychologists II Credits 3

Treatment of correlation, multiple regression, chi-square, and analysis of covariance as applied to psychological research. Prerequisites: Admitted PhD Psychology students only.

PSY 710 - Multivariate Analysis in Psychology Credits 3
Examination of multivariate statistical techniques including topics such as multivariate analysis of variance and covariance, discriminant function analysis, profile analysis, factor analysis, principal components analysis, and canonical correlation. Prerequisites: PSY 708 and PSY 709 or equivalent and admitted PhD Psychology students only.

PSY 711 - Advanced Seminar in Psychological Statistics Credits 3
Examination of advanced statistical techniques such as nonparametric statistics, meta analysis, time-series analysis, and structural equation modeling. Notes: May be repeated to a maximum of 18 credits. Prerequisites: PSY 708 and PSY 709 or permission of the instructor.

PSY 712 - Psychometrics Credits 3
Principles of evaluating and constructing psychological tests using psychometric theory and behavioral assessment methodology. Prerequisites: Admitted PhD Psychology students only.

PSY 713 - Developmental Research Credits 3
Application of theory, methods, designs, analyses, and interpretation of research in developmental psychology. Prerequisites: Admitted PhD Psychology students only.

PSY 714 - History and Foundations of Clinical Psychology Credits 3
An overview of the historical development of psychology as well as exploration of current theoretical and skills-based issues in clinical psychology. Prerequisites: Admitted PhD Psychology students only and limited to students enrolled in clinical psychology doctoral program.

PSY 715 - Assessment of Children Credits 3
Theory and practice of psychological assessment of children. Prerequisites: Admitted PhD Psychology students only and limited to students enrolled in clinical psychology doctoral program.

PSY 716 - Assessment of Adults Credits 3
Theory and practice of psychological assessment of adults. Prerequisites: Admitted PhD Psychology students only and limited to students enrolled in clinical psychology doctoral program.

PSY 717 - Cognitive Methods Credits 3
Overview of cognitive and neuroscience research methods, including demonstrations of equipment and software that is used for conducting experiments and analyzing results. Prerequisites: Admitted PhD Psychology students only and consent of instructor.

PSY 718 - Cognitive Science Credits 3
An exploration of topics related to cognition from fields such as perception, neuroscience, computational modeling, artificial intelligence, anthropology, and linguistics. Prerequisites: Admitted PhD Psychology students only and consent of instructor.

PSY 719 - Cellular and Molecular Neuroscience Credits 3
Examines the neural basis of behavior including cellular, molecular, and genetic contributions. Topics will include neuronal cellular structure and function, neuroanatomy, experimental methods/techniques, and detailed investigations of the mechanisms involved in various behaviors and neurological/psychological disorders. Grading Letter Grade Prerequisites: Admitted PhD Psychology students or PhD Neuroscience students only and consent of instructor.

PSY 720 - Systems and Cognitive Neuroscience Credits 3
Examines systems and cognitive neuroscience theories, methods, and data used to understand topics such as perception, attention, action, learning, memory, emotion, social behavior, language, music, and brain disorders. Prerequisites: Admitted PhD Psychology students only and consent of instructor.

PSY 721 - Developmental Science Credits 3
Discussion and critical review of theoretical perspectives and issues in developmental psychology. Topics include aspects of physiological, cognitive, and social development. Notes: Can be taken for a maximum of 3 credits. Prerequisites: Admitted PhD Psychology students.

PSY 722 - Developmental and Social Psychology Credits 3
Advanced discussion and integration of critical issues pertaining to both human development across the lifespan and social processes in dyads and groups, with a special focus on the social contexts of development. Grading Letter grade Prerequisites: Admitted to the Psychology PhD program or Permission of Instructor

PSY 723 - Assessment I: Cognitive and Academic Assessment Credits 3
Theory and practice of cognitive and academic assessment across the lifespan. Grading Letter grade Prerequisites: Admitted to Psychology PhD program or Consent of instructor

PSY 724 - Assessment II: Personality and Psychopathology Credits 3
Theory and practice of personality and psychopathology assessment across the lifespan. Grading Letter grade Prerequisites: Enrolled in psychology PhD program or Consent of Instructor

PSY 725 - Intervention with Children Credits 3
Principles and methods of psychological intervention with children. Prerequisites: Admitted PhD Psychology students only and limited to students enrolled in clinical psychology doctoral program.

PSY 726 - Intervention with Adults Credits 3
Principles and methods of psychological intervention with adults. Prerequisites: Admitted PhD Psychology students only and limited to students enrolled in clinical psychology doctoral program.

PSY 736 - Psychopathology Credits 3
Advanced treatment of psychopathology covering description, diagnosis, classification, physiological factors, and psychodynamics. Prerequisites: Admitted PhD Psychology students only and consent of instructor.

PSY 737 - Child Psychopathology Credits 3
Primary features, etiological theories, and epidemiology of behavior disorders in youth. Major diagnostic groupings covered include internalizing disorders (i.e., anxiety, depression, suicide, social withdrawal), externalizing disorders (i.e. ADHD, conduct disorder, substance abuse), pediatric problems, and developmental disabilities (e.g., autism, mental retardation) Prerequisites: Admitted PhD Psychology students only and consent of instructor.

PSY 740 - Topics in Developmental Psychology Credits 3
Analysis of theoretical concepts and research pertinent to the development of the individual. Notes: May be repeated to a maximum of 12 credits. Prerequisites: Admitted PhD Psychology students only.

PSY 741 - Psychology and Health Credits 3

In-depth study of selected topics in the science of health psychology and/or the practice of behavioral medicine. Emphasis on theoretical foundations and empirical findings. Topics permitting, instruction on the clinical practice of behavioral medicine. Prerequisites: Completion of year 1 of PhD program and admitted PhD Psychology students only.

PSY 742 - Psychopharmacology Credits 3

In-depth study of the effects of psychoactive drugs on nervous system function and behavior. Topics include pharmacokinetics, pharmacodynamics, principles of neurotransmission, mechanisms of drug action, theoretical models of drug dependence and experimental approaches to psychopharmacology research. Prerequisites: Admitted PhD Psychology students only and consent of instructor.

PSY 743 - Human Sexuality Credits 3

In-depth examination of the social and biological foundations of human sexuality. Includes detailed explorations of the latest research on the human sexual response, the relation of sexuality to psychological adjustment, variations in sexual behavior and identity, sexual dysfunction, and sociocultural issues. Prerequisites: Admitted PhD Psychology students only and consent of instructor.

PSY 744 - Neuropsychology Credits 3

Provides in-depth examination of the area of neuropsychology to include information on the historical roots of neuropsychology, organization of the human nervous system, brain-behavior relationships, higher cognitive functions, assessment techniques, neuropathology, neurological conditions, report writing, and developing recommendations for treatment planning. Prerequisites: Admitted PhD Psychology students only and consent of instructor.

PSY 747 - Topics in Perception Credits 3

A seminar that explores the core concepts and recent developments in an area of perception. Potential topics include vision, hearing, taste, touch, and smell. Notes: May be repeated to a maximum of 12 credits. Prerequisites: Admitted PhD Psychology students only and consent of instructor.

PSY 748 - Topics in Memory: Credits 3

Seminar that explores the core concepts and recent developments in an area of memory research. Potential topics include short-term, working, episodic, semantic, procedural, implicit/explicit, and prospective memory. Prerequisites: Admitted PhD Psychology students only and consent of instructor.

PSY 749 - Topics in Cognitive Processes: Credits 3

A seminar that explores the core concepts and recent developments in an area of cognitive processes. Potential topics include reasoning, decision-making, mathematics, problem-solving, and language use. Notes: May be repeated to a maximum of twelve credits. Prerequisites: Admitted PhD Psychology students only and consent of instructor.

PSY 750 - Diversity in Professional Psychology Credits 3

Acquaints students with the growing body of psychological literature on ethnic, age, life style, and other diversity issues. Emphasis on sensitizing students to unique aspects of minority populations, while enhancing their ability to work with individuals from various backgrounds. Prerequisites: Admitted PhD Psychology students only and consent of instructor.

PSY 752 - Group Psychotherapy: Principles and Practice Credits 3

The practice of competent, evidence-based group psychotherapy, its foundation, and supportive theories. Addresses key aspects of group therapy and relevant ethics. Prerequisites: Must have taken or currently be enrolled in PSY 767.

PSY 755 - Ethics and Professional Issues Credits 3

Examination of ethical and professional issues related to the practice of psychology. Prerequisites: Admitted PhD Psychology students only and consent of instructor.

PSY 756 - Ethics, Professional Issues, and Diversity in Psychological & Brain Sciences Credits 3

Examination of ethical, professional, and diversity issues related to the practice of psychological & brain sciences. Topics include publishing, grant funding, the professoriate, scientific misconduct, protection of human and nonhuman subjects, and diversity in psychological & brain sciences. Grading Letter Grade. Prerequisites: Admitted PhD Psychology students only and consent of instructor.

PSY 757 - Teaching of Psychology Credits 3

Preparation and presentation of teaching material, the grading process, and solicitation of student feedback, among other variables. Prerequisites: Admitted PhD Psychology students only and consent of instructor.

PSY 758 - Proseminar in Psychological & Brain Sciences Credits 1 – 2

Weekly forum for students and faculty to discuss professional issues and interdisciplinary research in psychological and brain sciences. Notes: May be repeated to a maximum of six credits. Grading Letter Grade. Prerequisites: Admitted PhD Psychology students only and consent of instructor.

PSY 762 - Introduction to Clinical Supervision Credits 3

The practice of competent clinical supervision, focusing on the roles and responsibilities of the supervisor, models and methods of supervision, and legal and ethical issues. Concurrent supervision of practicum students. Prerequisites: Admitted PhD Psychology students only and consent of instructor and limited to students enrolled in clinical psychology doctoral program.

PSY 765 - Seminar Credits 1 – 6

Explores a specific aspect of psychology. Department approval must be obtained prior to registration. Notes: May be repeated to a maximum of six credits. Prerequisites: Admitted PhD Psychology students.

PSY 766 - Independent Study Credits 1 – 9

Individual projects under the direction of a faculty member. Notes: Department approval must be obtained prior to registration. Student may enroll for 1-9 credits per semester. May be repeated to a maximum of 18 credits. Grading Letter grade Prerequisites: Admitted PhD Psychology students only.

PSY 767 - Practicum Credits 3

Supervised clinical experience at a departmentally approved site. Notes: prior to registration. May be repeated. Prerequisites: Admitted PhD Psychology students only.

PSY 768 - Independent Research Credits 1 – 9

Individual research projects under the direction of a faculty member. Notes: Department approval must be obtained prior to registration. Student may enroll for 1-9 credits per semester. May be repeated. Grading Letter grade Prerequisites: Admitted PhD Psychology students only.

PSY 769 - Thesis Credits 3 – 6

Research, analysis, and writing towards completion of thesis and subsequent defense. Notes: May be repeated, but only six credits will be applied to the student's program. Grading S/F grading only. Prerequisites: Admitted PhD Psychology students only.

PSY 770 - Dissertation**Credits 3 – 12**

Dissertation must be orally proposed and defended. Notes: Student may enroll for 3-9 credits per semester. May be repeated, but only 12 credits will be applied to the student's program. Grading S/F grading only. Prerequisites: Admitted PhD Psychology students only. Corequisite: Department approval must be obtained prior to registration.

PSY 771 - Professional Internship**Credits 1**

The student must complete a full calendar year APA-approved clinical psychology internship. During the internship year, students must register for six credits of PSY 771: Professional Internship. Notes: May be repeated to a maximum of three credits. Grading S/F grading only. Prerequisites: Admitted PhD Psychology students only.

PSY 773 - Qualifying Activity**Credits 3**

Complete one of the following: write one large paper or three smaller papers, or take an oral or written comprehensive exam. Register when defending the qualifying paper(s) or comprehensive exam if enrolled in the Psychological & Brain Sciences Ph.D. program. Formerly PSY 772. Notes: May be repeated to a maximum of nine credits. Grading S/U

Sociology

The graduate faculty in Sociology consists of scholars/teachers who have earned doctorates at some of the leading graduate schools in the country. The Department of Sociology offers two graduate program tracks: a Ph.D. program for students who have already earned a master's degree and a bachelor's to Ph.D. track for qualified students who want to earn their M.A. and Ph.D. in Sociology at UNLV in a single program. We offer ten areas of specialization: (1) family, aging & the life course; (2) culture; (3) deviance & criminology; (4) environment & health; (5) race & ethnic studies; (6) gender & sexuality; (7) politics & social movements; (8) social psychology & theory; (9) community & urban studies; and (10) demography & population studies. The Ph.D. program, which began in 1989, has graduated scholars who hold positions in academia, the nonprofit sector, private industry and public service. Graduates from our Ph.D. program are trained in advanced theory and methods, and have well-developed expertise in at least two of our departmental areas of specialization. The Department of Sociology welcomes applications for the Ph.D. program from candidates who can demonstrate a record of significant academic achievement and potential for professional success in sociology.

Robert Futrell, Ph.D., Chair

Simon Gottschalk, Ph.D., Graduate Coordinator

Sociology Faculty**Chair**

Futrell, Robert - Full Graduate Faculty

Professor; B.A., University of Kentucky; M.A., Ph.D., University of Kansas. Rebel since 1999.

Graduate Coordinator

Brents, Barbara G. - Full Graduate Faculty

Professor; B.J., M.A., Ph.D., University of Missouri, Columbia. Rebel since 1987.

Graduate Faculty

Batson, Christie - Full Graduate Faculty

Associate Professor; B.A., University of Texas, Austin, M.A., Ph.D., the Ohio State University. Rebel since 2007.

Bernhard, Bo - Full Graduate Faculty

Professor/Director; B.A., Harvard University; M.A., Ph.D., University of Nevada, Las Vegas. Rebel since 2002.

Borer, Michael Ian - Full Graduate Faculty

Associate Professor; B.A., Lafayette College; MA., Ph.D., Boston University. Rebel since 2008.

Bhatta, Tirth - Full Graduate Faculty

Assistant Professor. B.S. M.S., Tri-Chandra College/Tribhuvan University (Nepal); M.G.S., Miami University; Ph.D., Case Western Reserve University. Rebel since 2017.

Brents, Barbara G. - Full Graduate Faculty

Professor; B.J., M.A., Ph.D., University of Missouri, Columbia. Rebel since 1987.

Carter, Courtney M. - Full Graduate Faculty

Assistant Professor; B.A. Truman State University; M.A. Ph.D. University of Illinois at Chicago. Rebel since 2017

Davis, Georgiann - Full Graduate Faculty
Assistant Professor; B.A., Northeastern Illinois University;
M.A., University of Wisconsin, Milwaukee; Ph.D.,
University of Illinois, Chicago. Rebel since 2014.

Dickens, David - Full Graduate Faculty
Professor; B.A., Ph.D., University of
Kansas. Rebel since 1984.

Francis, Kerie Ann
Assistant Professor in Residence; B.A., M.A., Ph.D.,
University of Nevada, Las Vegas. Rebel since 2015.

Gottschalk, Simon - Full Graduate Faculty
Professor; B.A., Haifa University (Israel); M.A.,
University of Houston; Ph.D., University of
California, Santa Barbara. Rebel since 1992.

Keene, Jennifer - Full Graduate Faculty
Professor and Associate Dean, College of
Liberal Arts; B.A., Tulane; M.S., Ph.D., Florida
State University. Rebel since 2001.

Korgan, Kathryn Hausbeck - Full Graduate Faculty
Associate Professor and Dean, Graduate
College; B.A., M.A., Ph.D. State University of
New York at Buffalo. Rebel since 1995.

Lawrence, Elizabeth - Full Graduate Faculty
Assistant Professor; B.A. Philosophy, University
of Notre Dame; M.A. Sociology, University of
Colorado Boulder; Ph.D. Sociology, University
of Colorado Boulder. Rebel since 2018.

Parker, Robert E. - Full Graduate Faculty
Professor; B.S., Southern Illinois University; M.A.,
Ph.D., University of Texas, Austin. Rebel since 1989.

Ray, Ranita - Full Graduate Faculty
Assistant Professor; B.A., University of Calcutta (India);
M.A., Ph.D., University of Connecticut. Rebel since 2013.

Rodriguez, Cassandra - Full Graduate Faculty
Assistant Professor; B.A. California State
University Northridge; M.A. Ph.D. University of
Massachusetts Amherst. Rebel since 2017

Shalin, Dmitri N. - Full Graduate Faculty
Professor; B.A., M.A., Leningrad State University;
Ph.D., Institute of Sociological Research,
U.S.S.R. Academy of Science; M.Phil, Ph.D.,
Columbia University. Rebel since 1991.

Spivak, Andrew - Full Graduate Faculty
Associate Professor; B.B.A., University of Oklahoma;
B.A., M.A., University of Central Oklahoma; M.A.,
Ph.D., University of Oklahoma. Rebel since 2008.

Professors Emeriti

Carns, Donald E.
Professor; B.A., M.A., Southern Illinois University;
Ph.D., Indiana University. UNLV Emeritus 1973-2013.

Fontana, Andrea
Professor; B.A., M.A., Ph.D., University of
California, San Diego. UNLV Emeritus 1976.

Frey, James
Professor and Dean; B.A., Augustana College;
M.A., University of Iowa; Ph.D., Washington
State University. UNLV Emeritus 1974.

Smith, Ronald
Professor and Vice President for Research and
Graduate Dean; B.S., Southeast Missouri State College;
M.A., Northern Illinois University; Ph.D., Washington
State University. UNLV Emeritus 1972-2012.

Plan

Doctor of Philosophy – Sociology

Doctor of Philosophy - Sociology

Plan Description

The Doctor of Philosophy – Sociology offers programs designed for both (a) students holding a bachelor's degree in sociology or a closely related discipline who have a strong record of academic success, are likely to be highly successful in graduate school, and who have a professional interest in, and commitment to, earning a doctorate in sociology and (b) students who have already earned a master's degree in sociology or a closely related discipline, and who can demonstrate evidence of substantial expertise in sociology. This program trains students in advanced sociological concepts and applications, as well as advanced theoretical and methodological frameworks for conducting original research. In addition, students develop expertise in at least two advanced areas of specialization from among the department's core areas of specialization. Sociology doctoral students also have the opportunity to participate in our pedagogy and postsecondary teacher training program. Graduates of this program are well prepared for academic research and teaching positions, as well as careers in applied and community sociology.

Educational outcomes for our doctoral program include: development of expertise in both classical and contemporary sociological theories, mastery of both quantitative and qualitative research methods and data analysis, development of specialized expert knowledge in at least two substantive areas, professional socialization, participation in professional organizations, oral presentation skills, familiarity with the process of academic publication, and cultivation of analytical research and writing skills which culminate in the ability to author an original doctoral dissertation of substantial depth and quality. Graduate-level course work in sociology is restricted to students with graduate standing or graduate provisional status in the department, or to those students who have obtained prior written consent from instructors of specific courses in which enrollment is sought and from the graduate coordinator. Please refer to the Sociology Graduate Student Handbook for additional updated information, policies, and procedures.

For more information about your program, including your graduate program handbook and learning outcomes, please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

1. All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.
2. Applicants to the Post-Bachelor's track must hold a bachelor's degree in sociology from a regionally accredited institution (required). Applicants to the Post-Master's track must hold a master's degree in sociology, or an equivalent master's degree, from an accredited institution in which you wrote and successfully defended a master's thesis.
3. Applicants must submit the following to the Sociology department:
 - a. Satisfactory scores that are less than 5 years old on the general Graduate Record Examination (GRE).
 - b. At least 3 letters of recommendation, preferably from faculty members who know the student's work, evaluating the student's ability to perform at the Ph.D.-level of study. These should include comments on the student's academic performance, motivation, character, and promise for success in the Ph.D. program.
 - c. A statement of purpose, written by the applicant that evidences all of the following: writing skills, professionalism, educational and professional/career objectives, and specific areas of interest in sociology generally, and in the UNLV Department of Sociology specifically.
 - d. Writing Samples:
 - i. Post-Bachelor's applicants: Two original writing samples of substantial length and quality that indicate student's writing and analytical skills, as well as sociological knowledge.
 - ii. Post-Master's applicants: M.A.-level thesis or at least two original papers of substantial length and quality in an area of sociological inquiry solely written by the applicant.

If you are interested in applying for a Graduate Assistantship, please be sure to indicate this in your written statement, and complete and submit the Graduate Assistantship online application.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

See Subplan Requirements below.

Subplan 1 Requirements: Post-Bachelor's Track

Total Credits Required: 72

Course Requirements

Required Courses – Credits: 20

- SOC 701 - Logic of Social Inquiry

- SOC 702 - Quantitative Methods
- SOC 704 - Advanced Analytical Techniques
- SOC 705 - Qualitative Methods
- SOC 707 - Proseminar I
- SOC 723 - Classical Sociological Theory
- SOC 724 - Issues in Contemporary Sociological Theory

Elective Courses – Credits: 12

Complete 12 credits of elective coursework. Up to 3 credits can be flex credits and at least 9 credits must be SOC 700-level.

Professional Paper – Credits: 3

- SOC 794 - Professional Paper

After successfully completing the requirements above, students are eligible to earn the Master of Arts – Sociology.

Advanced ProSeminar Course – Credits: 1

- SOC 708 - Proseminar II

Elective Courses – Credits: 24

Complete 24 credits of elective coursework. Identify 2 areas of specialization among the department's core areas of study, and complete a minimum of 6 credits in each area. Up to 6 credits can be flex credits and at least 18 credits must be SOC 700-level.

Dissertation – Credits: 12

- SOC 799 - Dissertation

Degree Requirements

1. Of the 60 required course credit hours, a maximum of 9 hours may be used as flex credits toward any combination of the following: Independent Study; Directed Reading; an approved 600-level Sociology course that is unavailable at the 700 level; and/or an approved 700 level course in a related discipline.
2. A minimum of 63 credits must be completed in 700-level Sociology courses, including dissertation credits.
3. Students are strongly encouraged to enroll in SOC 709 – Learning to Teach Sociology. Doctoral students who have completed their comprehensive exams and SOC 709 may be eligible for autonomous teaching. Doctoral students teaching their own autonomous courses must be simultaneously enrolled in SOC 710 – Teaching Practicum, Teaching Practicum; after one semester of taking SOC 710 for credit, graduate student instructors may audit the class.
4. Any grade below a B will not be accepted for graduate credit. A grade below a B will result in probation. If a student receives two grades below a B, in the same or different courses, s/he will be separated from the program.

5. A student may be on academic probation a maximum of two times during their graduate career in Sociology; a third probation will result in separation from the program.
6. No student shall be allowed more than 2 simultaneous grades of Incomplete, except in the case of documented and approved emergency or medical leave.
7. In consultation with his/her advisor, a student will organize a dissertation committee of at least three departmental members. In addition, a fourth member from outside the department, known as the Graduate College Representative, must be appointed. An additional committee member may be added at the student and department's discretion. Please see Graduate College policy for committee appointment guidelines.
8. Post-Bachelor's students must complete 3 credits of Professional Paper before defending their Professional Paper and submitting it to a reputable sociology journal for peer review. Students will establish an Examination Committee, hold a professional paper proposal meeting, author and defend an original piece of research or theory which is then signed-off on by committee members and submitted for peer-review to a reputable sociology journal. The paper need not be accepted for publication for the student to continue matriculating in the program, but the manuscript must make a significant scholarly contribution and be of a high enough quality to merit peer review.
 1. Students must orally present and defend their completed professional paper to her or his Examination Committee, and receive majority approval. There are five possible grades for the professional paper: Pass with Distinction; Pass; Conditional Pass with Rewrites (to be completed within two weeks of notification); Terminal Pass (pass but separated from program after graduation); or Fail.
 2. After a successful defense of their professional paper, students must receive signatures of support from their Committee Chair and a majority of other Committee members prior to submitting their article manuscript to an approved peer-review sociology journal.
 3. Students may complete this stage of the program only after successfully completing all 20 required credits, as well as a minimum of 12 credits of electives (including up to 3 flex credits).
 4. Students may not take any comprehensive exams or complete more than 40 course credits before successfully completing this step in the program.
 5. Students who do not successfully complete this requirement in a timely manner (before completing 40 credits) will be placed on probation.
6. After successful completion of all required courses (a minimum of 32 total course credits), 3 credits of professional paper, and this professional paper process (proposal, research, writing, oral defense and journal submission), students must submit all required paperwork to the Graduate College for completion of the Master of Arts in Sociology.
9. Post-Bachelor's students who, for personal, professional or academic reasons, decide not to continue on for a Ph.D. may be eligible for an optional exit plan with a Masters degree.
10. Dissertation credits may only be taken after the student successfully defends his/her dissertation prospectus and submits required paperwork to the Graduate College. Students may not take more than 6 dissertation credits per semester.
11. In addition to a minimum of 60 hours of course work, 12 hours of dissertation credits, and successful completion of the professional paper process as described above, a doctoral student must successfully pass 2 comprehensive examinations in their chosen areas of specialization. Students should refer to the detailed guidelines governing the comprehensive exam process in the Graduate Programs Handbook (see Appendix 1).
12. The Area of Specialization comprehensive exams will be offered once a semester; students may only take 1 of these exams per semester. Intention to take a comprehensive exam must be given to the graduate coordinator and senior management assistant by the second week of the semester in which students intend to take the exam.
13. Students may not take a comprehensive exam until they have completed all required course work in these areas.
14. These specialty area comprehensive exams should reflect logical and substantive depth and breadth of knowledge of these areas. Students are expected to prepare for the comprehensive exams by reviewing class materials, meeting with their Graduate Advisory Committee, meeting with faculty sitting on the Areas of Specialization committees, looking at copies of old exams, and doing systematic independent preparation.
15. There are 4 possible grades for the comprehensive exams: Pass with Distinction; Pass; Conditional Pass with Rewrites (to be completed within two weeks of notification); or Fail.
16. A student must retake a failed comprehensive exam within one semester and successfully pass on the second attempt in order to remain in the program. A second failure in the same area will result in separation from the program. During the period of time between the initial Fail on a comprehensive exam and the re-take, the student may not take any other comprehensive exams.

- Both comprehensive exams must be completed prior to the student's dissertation prospectus defense and advancement to candidacy.

Graduation Requirements

- The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements for both the Master's and Doctoral portions of the program.

- Doctoral students are required to complete a minimum of 12 credits of dissertation credits: SOC 799 - Dissertation, write an original dissertation of substantial quality and length on a sociological topic, and successfully defend this work in front of the student's Graduate Advisory Committee.

- Students must work with their Graduate Advisory Committee to ensure quality research, analysis and writing of the comprehensive exams and dissertation.

- Satisfactory performance on an oral defense of the dissertation prospectus to be held after the successful completion of all course work and the four comprehensive examinations is required. The oral defense will cover the student's dissertation proposal and any deficiencies on the comprehensive exams or in the student's program of study. Upon successful completion of the oral defense of the dissertation prospectus, the student may advance to candidacy and enroll in dissertation credits.

- Upon completion of the dissertation, a final oral defense will be held in front of the student's Graduate Advisory Committee.

- Committee members must unanimously pass the student on her or his oral defense for the Ph.D. to be conferred.

- The student must submit and successfully defend his/her dissertation by the posted deadline. The defense must be advertised and is open to the public.

- After the dissertation defense, the student must electronically submit a properly formatted pdf copy of their dissertation to the Graduate College for format check. Once the dissertation format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for dissertation defenses, format check submissions, and the final ProQuest submission can be found here.

Subplan 2 Requirements: Post-Masters Track

Total Credits Required: 51

Course Requirements

Required Courses – Credits: 21

- SOC 701 - Logic of Social Inquiry

- SOC 702 - Quantitative Methods
- SOC 704 - Advanced Analytical Techniques
- SOC 705 - Qualitative Methods
- SOC 707 - Proseminar I
- SOC 708 - Proseminar II
- SOC 723 - Classical Sociological Theory
- SOC 724 - Issues in Contemporary Sociological Theory

Advanced Theory Course – Credits: 3

Complete one of the following courses:

- SOC 725 - Seminar in Pragmatist Hermeneutics
- SOC 726 - Current Debates in Social Theory
- SOC 737 - Seminar in Criminological Theories
- SOC 746 - Seminar in Organizational Theory and Problems
- SOC 756 - Urban Theory: Culture and Community
- SOC 763 - Symbolic Interaction
- SOC 766 - Sociology of Culture
- SOC 774 - Seminar in Feminist Theories and Research
- SOC 795A - Seminar on Postmodernism
- SOC 795B – Seminar on Critical Theory
- WMST 701 - Feminist Theory

Advanced Research Methods Course – Credits: 3

Complete one of the following courses:

- SOC 706 - Seminar in Advanced Statistical Analysis in the Social Sciences
- SOC 717 - Urban Demography and Population Studies
- SOC 757 - Urban Field Methods
- SOC 767 - Visual Sociology: Image, Media, Culture
- SOC 771 - The Virtual Society
- WMST 702 - Principles of Feminist Inquiry
- HIST 750 - Methods for the Study of Public History
- HIST 752 - Modern Archives: Theory and Methodology

Elective Courses – Credits: 12

Complete 12 credits of elective coursework. Identify 2 areas of specialization among the department's core areas of study, and complete a minimum of 6 credits in each area.

Up to 6 credits can be flex credits and at least 6 credits must be SOC 700-level.

Dissertation – Credits: 12

- SOC 799 - Dissertation

Degree Requirements

1. Of the 12 elective credit hours, a maximum of 6 hours may be used as flex credits toward any combination of the following: Independent Study; Directed Reading; an approved 600-level Sociology course that is unavailable at the 700 level; and/or an approved 700 level course in a related discipline.
2. A minimum of 45 credits must be completed in 700-level Sociology courses, including dissertation credits.
3. Students are strongly encouraged to enroll in SOC 709 - Learning to Teach Sociology. Doctoral students who have completed their comprehensive exams and SOC 709 may be eligible for autonomous teaching. Doctoral students teaching their own autonomous courses must be simultaneously enrolled in SOC 710 - Teaching Practicum, Teaching Practicum; after one semester of taking SOC 710 for credit, graduate student instructors may audit the class.
4. Any grade below a B will not be accepted for graduate credit. A grade below a B will result in probation. If a student receives two grades below a B, in the same or different courses, s/he will be separated from the program.
5. A student may be on academic probation a maximum of two times during their graduate career in Sociology; a third probation will result in separation from the program.
6. No student shall be allowed more than 2 simultaneous grades of Incomplete, except in the case of documented and approved emergency or medical leave.
7. In consultation with his/her advisor, a student will organize a dissertation committee of at least three departmental members. In addition, a fourth member from outside the department, known as the Graduate College Representative, must be appointed. An additional committee member may be added at the student and department's discretion. Please see Graduate College policy for committee appointment guidelines.
8. Dissertation credits may only be taken after the student successfully defends his/her dissertation prospectus and submits required paperwork to the Graduate College. Students may not take more than 6 Dissertation credits per semester.
9. In addition to a minimum of 39 hours of course work and 12 hours of dissertation credits, a doctoral student must successfully pass 2 comprehensive examinations in their chosen areas of specialization. Students should refer to the detailed guidelines governing the comprehensive exam process in the Graduate Programs Handbook. (See Appendix 1).

1. The Area of Specialization comprehensive exams will be offered once a semester; students may only take 1 of these exams per semester. Intention to take a comprehensive exam must be given to the graduate coordinator and senior management assistant by the second week of the semester in which students intend to take the exam.

2. Students may not take a comprehensive exam until they have completed all required course work in these areas.

3. These specialty area comprehensive exams should reflect logical and substantive depth and breadth of knowledge of these areas. Students are expected to prepare for the comprehensive exams by reviewing class materials, meeting with their Graduate Advisory Committee, meeting with faculty sitting on the Areas of Specialization committees, looking at copies of old exams, and doing systematic independent preparation.

4. There are 4 possible grades for the comprehensive exams: Pass with Distinction; Pass; Conditional Pass with Rewrites (to be completed within two weeks of notification); or Fail.

5. A student must retake a failed comprehensive exam within one semester and successfully pass on the second attempt in order to remain in the program. A second failure in the same area will result in separation from the program. During the period of time between the initial Fail on a comprehensive exam and the re-take, the student may not take any other comprehensive exams.

6. Both comprehensive exams must be completed prior to the student's dissertation prospectus defense and advancement to candidacy.

Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements for the program.
2. Doctoral students are required to complete a minimum of 12 credits of dissertation credits: SOC 799 – Dissertation, write an original dissertation of substantial quality and length on a sociological topic, and successfully defend this work in front of the student's Graduate Advisory Committee.

1. Students must work with their Graduate Advisory Committee to ensure quality research, analysis and writing of the comprehensive exams and dissertation.

2. Satisfactory performance on an oral defense of the dissertation prospectus to be held after the successful completion of all course work and the four comprehensive examinations is required. The

oral defense will cover the student's dissertation proposal and any deficiencies on the comprehensive exams or in the student's program of study. Upon successful completion of the oral defense of the dissertation prospectus, the student may advance to candidacy and enroll in dissertation credits.

3. Upon completion of the dissertation, a final oral defense will be held in front of the student's Graduate Advisory Committee.

4. Committee members must unanimously pass the student on her or his oral defense for the Ph.D. to be conferred.

3. The student must submit and successfully defend his/her dissertation by the posted deadline. The defense must be advertised and is open to the public.

4. After the dissertation defense, the student must electronically submit a properly formatted pdf copy of their dissertation to the Graduate College for format check. Once the dissertation format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for dissertation defenses, format check submissions, and the final ProQuest submission can be found here.

Plan Graduation Requirements

Refer to your subplan for Graduation Requirements.

Sociology Courses

SOC 603 - Techniques of Social Research Credits 4
Introduction to research design, data gathering techniques, and sociological analysis of data. This course is crosslisted with SOC 403. Credit at the 600-level requires additional work.

SOC 603L - Techniques of Social Research Lab Credits 0
This undergraduate course may be used in the graduate program of study with the approval of the advisor. A full description of this course may be found in the Undergraduate Catalog under the corresponding 400 number.

SOC 604 - Statistical Methods in the Social Sciences Credits 4
Study and practice with statistical methods especially useful in the presentation and interpretation of social work, psychological, sociological, and educational data. Notes: This course is crosslisted with SOC 404. Credit at the 600-level requires additional work.

SOC 604L - Statistical Methods in the Social Sciences Lab

This undergraduate course may be used in the graduate program of study with the approval of the advisor. A full description of this course may be found in the Undergraduate Catalog under the corresponding 400 number.

SOC 607 - Environment and Society Credits 3
Focuses on the conflict between private rights and the public interest and the extent to which this conflict affects society in the environmental arena. Notes: This course is crosslisted with SOC 407. Credit at the 600-level requires additional work.

SOC 608 - Qualitative Research Credits 3
Examination of the modes of observation, recording and reporting of the daily way of life of another (sub) culture studied by physical and perspectival closeness. Notes: This course is crosslisted with SOC 408. Credit at the 600-level requires additional work.

SOC 610 - Sociology of Aging Credits 3
Explores the problems of aging in various cultures. Notions such as the social construction of growing old, the myth of youth, and the crisis of retirement discussed along with other topics of aging. Notes: This course is crosslisted with SOC 410. Credit at the 600-level requires additional work.

SOC 612 - Sociology of Art Credits 3
Investigation into the complex relationship between social systems and their artistic outputs. Emphasis on social theory, especially the sociology of knowledge. Subjects include artistic employment, craft to art conversions, and art in relation to religion and science. Notes: This course is crosslisted with SOC 412. Credit at the 600-level requires additional work.

SOC 613 - Sociology of Sport Credits 3
Examination of the relationship of sport to societal institutions and processes. Behavior of fans, athletes, and sport organizations analyzed from a sociological view. Notes: This course is crosslisted with SOC 413. Credit at the 600-level requires additional work.

SOC 614 - Popular Culture Credits 3
Different types of culture, the democratization of values, the organization of tastes. Characteristic forms of popular culture: music, cinema, the electronic media, the print media, outdoors, travel, and the graphic arts. Notes: This course is crosslisted with SOC 414. Credit at the 600-level requires additional work.

SOC 615 - World Population Problems Credits 3
Examination of world and U.S. problems connected to rapid population growth, legal and illegal immigration, causes of sickness and death, and the impact of government population policies. Problems include changes in family size, mandatory sterilization, abortion, food as a political weapon, crime, and minority groups. Notes: This course is crosslisted with SOC 415. Credit at the 600-level requires additional work.

SOC 616 - Sociology of Work and Occupations Credits 3
Comparative examination of work in industrial society. Topics analyzed include labor markets, job satisfaction, occupational choice, and the leisure-work relationship. Notes: This course is crosslisted with SOC 416. Credit at the 600-level requires additional work.

SOC 621 - Classical Social Theory Credits 3
Major social theorists of the nineteenth and early twentieth centuries whose works have led to the development of sociology as a distinct discipline. Includes Durkheim, Marx, Simmel, and Weber. Notes: This course is crosslisted with SOC 421. Credit at the 600-level requires additional work.

SOC 622 - Contemporary Sociological Theory Credits 3
Major theorists and important schools of thought in contemporary sociology. Includes some or all of the following: structural functionalism, conflict theory, symbolic interactionism, ethno-methodology. Notes: This course is crosslisted with SOC 422. Credit at the 600-level requires additional work.

SOC 627 - Comparative Racial and Ethnic Relations Credits 3
Surveys racial and ethnic relations in different societies around the world, including the United States. Special attention given to structures of inequality and to social movements for racial justice and equality. Notes: This course is crosslisted with SOC 427. Credit at the 600-level requires additional work

SOC 628 - Special Topics in Comparative Societies Credits 3
Comparative analysis of some salient aspects of U.S. society and societies around the world. Focuses on socialization, cultural and structural aspects (e.g., ethnicity, religion, economy, politics, gender, age), and informal modes of living. Specific focus varies with special topics offered. Notes: This course is crosslisted with SOC 428. Credit at the 600-level requires additional work.

SOC 629 - Globalization: Economic, Political, and Cultural Perspectives Credits 3
Addresses the nature of globalization, and the degree to which it differentially impacts people in various geographical regions and social strata. Traces the extent to which economic, political, and cultural systems rooted in nation-states during most of the twentieth century are likely to be replaced by emerging global institutions. Notes: This course is crosslisted with SOC 429. Credit at the 600-level requires additional work.

SOC 631 - Crime and Criminal Behavior Credits 3
General survey of the field of criminology emphasizing social efforts to understand, explain, and deal with criminal behavior. Notes: This course is crosslisted with SOC 431. Credit at the 600-level requires additional work.

SOC 641 - Social Inequality Credits 3
Analysis of causes and consequences of inequalities in wealth, prestige, and power in social life. Emphasis placed on the American class system, and inequalities of race, ethnicity, gender, and age also covered. Notes: This course is crosslisted with SOC 441. Credit at the 600-level requires additional work.

SOC 642 - Sociology of Gambling Credits 3
Analysis of patterns of participation in various forms of gambling; political/economic background of gambling; effects of gambling on communities, lifestyles, and value systems. Notes: This course is crosslisted with SOC 442. Credit at the 600-level requires additional work.

SOC 643 - Urban Sociology Credits 3
Analysis of the urban way of life, with attention to ecological and social characteristics of the city, urban problems, and trends in urban growth. Emphasis given to American society. Notes: This course is crosslisted with SOC 443. Credit at the 600-level requires additional work.

SOC 645 - Men in Society Credits 3
Issues and problems of men in a society characterized by rapidly changing and ill-defined male gender roles. Perspectives from micro- and macrosociology. Varying branches of the 'men's movement' examined. Notes: This course is crosslisted with SOC 645. Credit at the 600-level requires additional work.

SOC 647 - Marriage and the Family Credits 3
Study of the institutions of marriage and the family and analysis of various factors and forces affecting the family. Emphasis upon present trends. Notes: This course is crosslisted with SOC 447. Credit at the 600-level requires additional work.

SOC 649 - Sex and Social Arrangements Credits 3
Examination of human sexuality in social contexts. Emphasis on cross-cultural and historical comparisons with themes dealing with deviant sexuality, pornography, and homosexuality. Notes: This course is crosslisted with SOC 449. Credit at the 600-level requires additional work.

SOC 651 - Russian Society in Transition Credits 3
Sociological survey of Russian society in transition. Reviews major Soviet institutions and examines current attempts to transform Russian society. Special attention to the origins of glasnost and perestroika and the difficulties that the former Soviet Union faces in reforming its communist system and building democracy and a market economy. Notes: This course is crosslisted with SOC 451. Credit at the 600-level requires additional work.

SOC 653 - Gender and Society Credits 3
Examines the social construction of gender across a range of institutional, interactional, intellectual and cultural contexts. Emphasis is on the intersection of gender with race, ethnicity, social class and sexuality. Notes: This course is crosslisted with SOC 453. Credit at the 600-level requires additional work.

SOC 655 - Social Movements and Social Change Credits 3
Sociological understanding of social movements and social change. Focuses on movements in the United States and around the world struggling over issues such as ethnicity, race, religion, and civil rights. Introduces theories and concepts about social movements emphasizing historical and cultural context, movement formation, organization, participants, ideology, and effects. Notes: This course is crosslisted with SOC 455. Credit at the 600-level requires additional work.

SOC 658 - Sociology of Mental Health Credits 3
Drawing on sociological theories and research, examines how various social forces shape experiences, symptoms, patterns of help-seeking, diagnoses, treatments, and prognoses of mental disorders by comparing those across various U.S. social classes, ethnic, gender, and age groups as well as in a global context. Notes: This course is crosslisted with SOC 458. Credit at the 600-level requires additional work.

SOC 659 - Social Dilemmas of Climate Change Credits 3
Sociological understanding of climate change. Focuses on social, economic, organizational, and cultural dilemmas of global climate transformation, including: carbon-based production and consumption patterns, population growth, health effects, migration patterns, inequalities and social conflicts, and cultural perceptions of climate. Notes: This course is crosslisted with SOC 459. Coursework at the 600-level requires additional work.

SOC 660 - Critical Sociology Credits 3
Acquaints the student with a body of theoretical and empirical work variously designated as critical, new, or radical sociology.

SOC 665 - Collective Behavior Credits 3
Examines how people cope with unexpected or threatening events. Emphasis placed on developmental sequences and communication processes involved in social movements, crowds, and public issues.

SOC 666 - Sociology of Medicine Credits 3
Analyzes the medical profession and delivery of health care. Medical education, medicine as social control, ethical issues, and the management of medical knowledge examined. Notes: This course is crosslisted with SOC 466. Credit at the 600-level requires additional work.

SOC 670 - Sociology of Deviance Credits 3
Examines various themes of deviance and the making and breaking of norms, the creation of deviant identities and subcultures, and the relationship between deviance and society. Topics sometimes covered include white collar crime,

prostitution, homosexuality, drug and alcohol abuse, and violence. Notes: This course is crosslisted with SOC 470. Credit at the 600-level requires additional work.

SOC 671 - Race and Ethnic Relations in America Credits 3
Analysis of inter-and intra-group conflicts associated with racial, ethnic, and socio-cultural differences. Attention to both structural and symbolic forms of domination and oppression and to the effects of prejudice and discrimination on all members of society. Special attention given to social movements for justice and equality. Notes: This course is crosslisted with SOC 471. Credit at the 600-level requires additional work.

SOC 674 - Sociology of Religion Credits 3
Critical study of the reciprocal relations of religion, culture, and society. Social sources of religious concepts, religious differentiation, and institutionalization, and the effect upon individual and group behavior. Notes: This course is crosslisted with SOC 474. Credit at the 600-level requires additional work.

SOC 675 - Political Sociology Credits 3
Multiple dimensions and uses of power in society: development and resolution of public issues, political socialization, covert manipulation, and political movements. Notes: This course is crosslisted with SOC 475. Credit at the 600-level requires additional work.

SOC 676 - Sociology of Education Credits 3
Application of sociological theory to the social institution of education. Primary attention directed toward the social organization of educational systems. Draws upon research from a variety of fields. Notes: This course is crosslisted with SOC 476. Credit at the 600-level requires additional work. Does not meet undergraduate professional education requirement.

SOC 678 - Women and Society Credits 3
Theoretical framework for understanding sexism in our society as a problem of socio-political structure rather than as a problem of individual ideology and bias. Notes: This course is crosslisted with SOC 478. Credit at the 600-level requires additional work.

SOC 682 - Aging and Social Policy Credits 3
Social policy responses to the problems of aging. Emphasis on political, economic and social contexts underlying policy responses to aging from both historical and contemporary perspectives. Notes: This course is crosslisted with SOC 482. Credit at the 600-level requires additional work.

SOC 684 - Sociology of Death and Dying Credits 3
Examines the process of dying; emphasis placed on managing grief, the role of the dying patient, prolonging life, and the funeral industry. Notes: This course is crosslisted with SOC 484. Credit at the 600-level requires additional work.

SOC 697 - Special Topics in Sociology Credits 3
Offered irregularly with content not otherwise available in the department's curriculum. Opportunity for students and instructor to explore new dimensions and unrepresented areas of sociology. Three credits per course. Notes: This course is crosslisted with SOC 497. Credit at the 600-level requires additional work.

SOC 701 - Logic of Social Inquiry Credits 3
Advanced introduction to theoretical and methodological approaches in contemporary sociology and their interrelationship. Emphasis on three major paradigms in contemporary sociological research, their assumptions, operational strategies and policy implications. Notes: May be repeated to a maximum of six credits. Prerequisites: Consent of graduate coordinator.

SOC 702 - Quantitative Methods Credits 3
In-depth review of procedures and issues associated with research design, measurement, sampling, and questionnaire construction in the conduct of survey research, experimentation, and other quantitative research techniques utilized by

sociologists. Notes: May be repeated to a maximum of six credits. Prerequisites: Consent of graduate coordinator.

SOC 704 - Advanced Analytical Techniques Credits 4
Advanced data base creation and analysis including study of appropriate statistics, mainframe computer experience with mass data software, analytical techniques with varying methodologies, data modelling. Notes: May be repeated to a maximum of eight credits. Prerequisites: Consent of graduate coordinator.

SOC 705 - Qualitative Methods Credits 3
Gives students in-depth training in a variety of qualitative methods, both traditional and new (participant observation, latent content analysis, semiotics, deconstruction, conversation analysis, feminist methodology and critique, etc.). Explores both the theoretical justifications of each method and gives a hands-on experience in their various applications. Notes: May be repeated to a maximum of six credits. Prerequisites: SOC 701, consent of graduate coordinator.

SOC 706 - Seminar in Advanced Statistical Analysis in the Social Sciences Credits 3
Examines current approaches to statistical modeling of discrete outcomes. Includes loglinear modeling, logistic regression, and event history analysis. Emphasis on mathematical specification of these approaches, usage of software packages for model estimation and interpretation of results. Prerequisites: SOC 702, SOC 704, and consent of instructor.

SOC 707 - Proseminar I Credits 1
Course in professional socialization and introduction to graduate program in Sociology. Learn skills necessary for successful matriculation in the graduate program and in academia. Topics include: introduction to faculty research; review of program stages and requirements; conference participation; publishing; CV building. Prerequisites: Consent of instructor.

SOC 708 - Proseminar II Credits 1
Course in professional socialization. Topics include: conference presentations, comprehensive exam preparation, abstract construction, scholarly writing and publishing, CV building, professional networking, and job market skills. Notes: Required for doctoral students; recommended for master's students. Prerequisites: ProSeminar I or consent of graduate coordinator.

SOC 709 - Teaching Sociology Credits 3
Provides a key link for future teaching sociologists, assisting them to make the switch from consumers to educators of the sociological perspective. Places equal emphasis on theoretical issues surrounding teaching with the everyday logistical details of effectively managing a university classroom. Prerequisites: Graduate standing.

SOC 710 - Teaching Practicum Credits 1
Sociology graduate students teaching autonomous classes are required to take this course. Topics covered include: applied pedagogical theory, student learning styles, assignment and test construction, grading, teaching technologies, and creative strategies for teaching particular sociological theories, methodologies and concepts. Notes: May be repeated to a maximum of two credits. Prerequisites: SOC 709 or consent of graduate coordinator.

SOC 714 - Seminar in Work and Occupations Credits 3
Examination of occupations and the concept of work from the perspective of contemporary sociological research. Notes: Selected topics of work and occupations announced each semester. May be repeated to a maximum of six credits. Prerequisites: Consent of instructor or graduate advisor.

SOC 717 - Urban Demography and Population Studies Credits 3

Training in quantitative techniques used by researchers in urban population studies. Students will become familiar with available sources of data, the measures of population composition and change, and will receive practical training on how to conduct their own research. Prerequisites: SOC 702, SOC 704 and SOC 711.

SOC 719 - Seminar in Deviance and Disorganization Credits 3

Selected topics of deviance and disorganization with specific topics to be announced each semester.

SOC 723 - Classical Sociological Theory..... Credits 3

In-depth analysis of the major figures in classical sociological theory. Primary focus on the works of Marx, Weber, Durkheim and Mead, supplemented by a brief discussion of other significant theorists (Comte, Spencer, Simmel, etc.). Prerequisites: Consent of graduate coordinator.

SOC 724 - Issues in Contemporary Sociological Theory Credits 3

Examines major issues in contemporary sociological theory. Prerequisites: SOC 723 and consent of graduate coordinator.

SOC 725 - Seminar in Pragmatist Hermeneutics Credits 3

Sociological examination of interpretation theory, its historical development, and contemporary applications. Traces the evolution of key ideas from ancient philosophy and biblical exegesis to pragmatist semiotics that moved hermeneutics beyond its traditional preoccupation with texts and toward the embodied, emotionally laden forms of signification. Prerequisites: SOC 701, SOC 723 and SOC 724 or consent of instructor.

SOC 726 - Current Debates in Social Theory Credits 3

Advanced seminar in social theory. Includes a series of approximately three to four debates and/or new perspectives in current social theory literature. In-depth analysis of most up-to-date ideas and issues in social theory. Notes: Different topics covered each time course offered. Prerequisites: SOC 701, SOC 723, SOC 724 or consent of instructor.

SOC 733 - Advanced Social Documentation: Las Vegas Credits 3 or 6

Application of multiple theories and methods of social documentation and community studies. Students read classic works of social documentation, as well as conduct their own field research projects in and around Las Vegas utilizing multiple means of documentation, including ethnography, digital imaging, social mapping, GIS, and interviews. Grading Letter grade Prerequisites: Graduate standing and consent of instructor.

SOC 737 - Seminar in Criminological Theories Credits 3

Specific topics and theories to be announced each semester.

SOC 741 - Graduate Seminar in Social Stratification Credits 3

Analyzes the major systems of stratification including, but not limited to, race, class, and gender. Emphasis on U.S. and examines interrelationships among the various forms of social inequality. Prerequisites: Graduate standing.

SOC 742 - Sociology of Gambling Credits 3

Provides sophisticated understanding of sociological perspectives of gambling. Recreational gambling behaviors among a variety of subpopulations examined. Phenomenon labeled as "problem gambling" by medical experts also explicitly addressed as well as legislative attempts to confront social costs. Prerequisites: Graduate standing or consent of instructor.

SOC 743 - Seminar in Urbanism and Urbanization Credits 3

Specific topics announced each semester. Notes: May be repeated to a maximum of six credits. Prerequisites: Consent of instructor or graduate advisor.

SOC 745 - The Family-Work Nexus Credits 3

Examines integral, changing relationship between family and work, emphasizing systematic connection between the two. Includes linkages between work and family; socially constructed gender inequality through work and family activities; and work and family interconnections and conflicts within families whose interests vary. Prerequisites: Graduate standing.

SOC 746 - Seminar in Organizational Theory and Problems Credits 3Credits 3

Specific theories and topics announced each semester. Notes: May be repeated to a maximum of six credits. Prerequisites: Consent of instructor or graduate advisor.

SOC 747 - Seminar in Marriage and the Family Credits 3

Specific topics announced each semester. Notes: May be repeated to a maximum of six credits. Prerequisites: Consent of instructor or graduate advisor

SOC 748 - Gender, Sex, Society Credits 3

Advanced survey course and seminar on the sociology of gender, sex and sexuality. How does the sex/gender system operate within and through social structures? How are gender/sex/sexuality socially constructed? Examines these questions and ways in which gender/sex/sexuality are historically shaped and intertwined. Prerequisites: Graduate standing.

SOC 750 - Seminar in the Sociology of Sex Credits 3

Surveys main theories and debates in sociology of sex and sexuality. Examines sex in relation to economic, cultural, political, international and historical contexts, and in relation to gender, class and racial systems of stratification. Prerequisites: Graduate standing.

SOC 751 - International Issues: Gender, Sex, Globalization Credits 3

Addresses multicultural feminisms, globalization, human/women's rights, and workings of sex/gender systems in various regions of the world. Prerequisites: Graduate standing.

SOC 752 - Global Migrations Credits 3

Seminar examining immigration to the United States. Evaluates structural factors that compel people to cross international boundaries, integration and settlement, and responses to such migratory patterns. Focus placed on immigrant labor, undocumented status, laws and policies, settlement and integration, gender, and new directions in immigration research.

SOC 753 - Racial Justice and Latina/os Credits 3

Seminar exploring the socio-historical and contemporary experiences of Latina/os in the United States. Topics include the role of Latina/os in the global economy, ethnic identity, social-demographics patterns, social integration, and political implications of the above. Emphasis is placed on social justice.

SOC 755 - Social Movements and Social Change Credits 3

Provides deep, critical understanding of the presumptions, purposes, limitations, and special strengths of sociological theorizing or social movements and social change. Emphasis on questions about social movements and their historical context and movement formation, organization, careers, participants, ideology and effects. Prerequisites: Graduate standing.

SOC 756 - Urban Theory: Culture and Community Credits 3

Critical examination and evaluation of sociological theories about urban cultures and communities in light of recent literature, findings, and students' own observations. Prerequisites: SOC 701

SOC 757 - Urban Field Methods Credits 3

Training in methods for conducting qualitative research in urban settings. These include participant observation, interviewing, archival narrative analysis, and visual studies. Students will conduct their own research and discuss their emerging findings. Prerequisites: SOC 705 and SOC 756

SOC 763 - Symbolic Interaction Credits 3

Symbolic interaction from the traditional ideas of Mead to the postmodern versions of interactionism. Approaches derived from phenomenology, existential sociology, labeling, ethnomethodology, dramaturgy, feminist interactionism, and postmodernism covered. Pays particular attention to the self. Prerequisites: Graduate standing.

SOC 764 - Seminar in Social Psychology Credits 3

Specific topics announced each semester.

SOC 766 - Sociology of Culture Credits 3

Broad introduction in field of cultural sociology --its historical development, different theories and methods, definition and analytical problems. Prerequisites: Graduate standing

SOC 767 - Visual Sociology: Image, Media, Culture Credits 3

Role of the visual in sociology as well as sociology of the visual. Addresses issues of visual research methods as well as reviewing theories of images, media and culture. Studies interplay between historical and contemporary social aspects of production and consumption of visual culture. Prerequisites: Graduate standing.

SOC 768 - Environmental Sociology Credits 3

Provides deep, critical understanding of macro-sociological dimensions of environment-society relationship. Emphasis given to sociological approaches to the ideology of environmental domination, capitalist economy and environmental sustainability, rationality and nature, and ecological social movements. Prerequisites: Graduate standing.

SOC 769 - Ecology, Culture, Social Psychology Credits 3

Explores reciprocal influences between ecology, culture, and social psychological dynamics. Examines relation between landscapes and mindscapes, implications of cultural constructions of nature for interactions with/in the natural environment and routine social psychological dynamics, ecological identity, and contours of an ecocentric perspective. Prerequisites: Graduate standing.

SOC 770 - Racial and Ethnic Relations Credits 3

Historical and contemporary studies of racial and ethnic relations, both in the US and around the world. Emphasis placed on contemporary theoretical and ethnographic work.

SOC 771 - The Virtual Society Credits 3

This course examines the scholarship on the digitalization of society and computer-mediated communication, focusing especially on the psychological, interactional, cultural, and economic impacts of virtualization. Prerequisites: SOC 701

SOC 773 - Seminar in Drug Use and Abuse Credits 3

Specific topics announced each semester.

SOC 774 - Seminar in Feminist Theories and Research Credits 3

Current issues in feminist theories and research and feminist critiques of social sciences. Discussions of theoretical as well as epistemological and methodological issues. Prerequisites: Consent of instructor and graduate standing.

SOC 776 - Seminar in Political Sociology Credits 3

Explores relations between states and social institutions such as social classes, interest groups, and systems of cultural and material production and reproduction. Covers issues such as theories of the state, political behavior, and frameworks for the development of solutions to various contemporary problems. Same as (EPS 749) Prerequisites: Graduate standing.

SOC 779 - Seminar in Sociology of Aging Credits 3

Specific topics announced each semester.

SOC 780 - Aging and Social Policy Credits 3

Current issues in public policy in the sociology of aging. Examines the development of policies regarding aging in specific domains (e.g. labor force, retirement, income security, health care); assesses debates on society's risks and responsibilities for elders; and considers impact of history, demographic change, place, and heterogeneity of elders on resource allocation and the lives of elders, families, and communities. Prerequisites: Graduate standing.

SOC 790 - Sociological Internship Credits 1 – 4

Supervised internships in community organizations providing experience in administration, planning, and research. Placements concentrate on the organization and operation of agencies rather than on direct delivery of client services. Notes: May be repeated to a maximum of six credits. One to four credits per semester. Prerequisites: Consent of field experience coordinator

SOC 791 - Field Experience in Sociology Credits 1 – 4

Supervised internships in community organizations providing experience in administration, planning, and research. Placements concentrate on the organization and operation of agencies rather than on direct delivery of client services. Notes: May be repeated to a maximum of six credits. One to four credits per semester. Prerequisites: Consent of field experience coordinator.

SOC 794 - Professional Paper Credits 3

Research, analysis, writing and editing for students submitting a Professional Paper as the culminating experience in the M.A. program, or for students submitting an article for publication as required in the B.A. to Ph.D. program track. Notes: Only three credits may count toward degree. Prerequisites: SOC 711 or SOC 712, and SOC 704, SOC 705, SOC 724 and consent of graduate coordinator.

SOC 795 - Seminar Credits 3

Specific topics announced each semester. Notes: May be repeated to a maximum of nine credits (contingent on enrollment in different seminar topics).

SOC 796 - Directed Readings Credits 1 – 3

Supervised readings on special topics selected in consultation with a sociology graduate faculty member. Notes: May be repeated to a maximum of six credits. Prerequisites: Consent of instructor.

SOC 797 - Independent Study Credits 1 – 3

Consultation course consisting of individual student effort under guidance of instructor. Students assigned to or request assignment to specific problems in sociology on the basis of interest and preparation. Notes: May be repeated to a maximum of six credits. Prerequisites: Consent of instructor.

SOC 798 - Thesis Credits 3 or 6

Research, analysis, and writing towards completion of thesis and subsequent defense. Notes: May be repeated but only six credits applied to the student's program. Grading S/F grading only.

SOC 799 - Dissertation**Credits 1 – 6**

Research, analysis, and writing toward completion of the dissertation and preparation for subsequent oral defense. Notes: Students are required to complete twelve credits for their doctoral degree; may register for additional credits but they will not count toward degree. Grading S/F grading only. Prerequisites: Advancement to candidacy in Sociology Ph.D. program and consent of instructor.

Interdisciplinary Gender and Ethnic Studies

The programs within Interdisciplinary, Gender, and Ethnic Studies (IGES) share a commitment to interdisciplinary scholarship and teaching, critical cultural and social analysis, intersectionality, transnational perspectives, and public engagement. The unit dedicates itself to crossing boundaries and integrating insights from a range of fields, engaging faculty and students in an exchange of learning and service in local communities and abroad. IGES seeks opportunities for collaborative work with partners in the university community and beyond by co-sponsoring events and projects based on a shared vision of social justice, global awareness, and the power of critical analysis linked to social action.

We offer a variety of Interdisciplinary, Gender, and Ethnic Studies degree programs that enable students to take courses in several departments and colleges throughout campus. IDS students create a degree plan that combines their coursework in unique and innovative ways beyond the existing Bachelor of Arts and Bachelor of Science degrees. Students can choose two to three disciplines from throughout campus to design their own personalized plan of study.

Gender, Ethnic, and Area Studies students take an in-depth approach to the critical study of power and identity, in local and global contexts. We provide students with interdisciplinary approaches and research methodologies for studying power relations and intersectionality, i.e. how gender, race, class, sexuality, ethnicity, age, physical ability, and nationality shape the material conditions of peoples' lives all over the world. Our classrooms are interactive learning environments that value diversity and multiple perspectives. Our students learn new ways of viewing the world, develop tools for critical thinking, and are empowered to make a difference in the world. Our curriculum provides students with the skills to undertake cutting-edge research on contemporary issues through our core sequence of upper-division courses on theory, research methodologies, and praxis.

Undergraduate degree programs include African-American and African Diaspora Studies, Asian Studies, Latin American Studies, Multidisciplinary Studies, Social Sciences Studies, and Gender and Sexuality Studies. We also offer a variety of minors and certificates, including Latina/o Studies and a Graduate Certificate in Social Justice Studies.

Anne Stevens, Ph.D., Chair

Interdisciplinary Gender and Ethnic Studies Faculty

Director

Revilla, Anita - Full Graduate Faculty

Associate Professor; A.B. Princeton University; M.A. Teachers College, Columbia University; Ph.D., UCLA

Graduate Faculty

Abad, Erika - Full Graduate Faculty

Assistant Professor-in Residence; B.A. DePaul University; Ph.D. Washington State University

Bock, Sheila - Full Graduate Faculty

Assistant Professor; B.A., UC Berkeley; M.A., Ohio State University; Ph.D., Ohio State University.

Comella, Lynn - Full Graduate Faculty

Assistant Professor; Ph.D., University of Massachusetts, Amherst.

Gauthier, Tim - Full Graduate Faculty

Assistant Professor. Ph.d., University of Nevada, Las Vegas.

Johnson, Javon - Full Graduate Faculty

Assistant Professor: Ph.D. Northwestern University.

Padoongpatt, Tanachai

Assistant Professor; Ph.D., University of Southern California.

Roth-Johnson, Danielle - Associate Graduate Faculty

Assistant Professor-in-Residence; Ph.D., Stanford University.

Spencer, Rainier - Full Graduate Faculty

Professor.

Interdisciplinary Gender and Ethnic Studies Courses

WMST 601 - Feminist Theories Credits 3

The following undergraduate course may be used in the graduate program of study with the approval of the advisor. A full description of this course may be found in the Undergraduate Catalog under the corresponding 400 number.

WMST 607 - Gender and Communication Credits 3

Introduction to gender research in communication. Studies ways in which language, interpersonal communication, the media, and various social institutions influence conceptions of gender. Notes: This course is crosslisted with WMST 407. Credit at the 600-level requires additional work. Grading Letter grade

WMST 632A - History of American Women to 1870 Credits 3

Examines the history of women in the United States from the period of European contact to reconstruction. Examines women's changing roles in the family, work force, politics, and social movements. Examines the historical experience of European colonists, Native Americans, African Americans, and immigrants. Notes: This course is crosslisted with WMST 432A. Credit at the 600-level requires additional work.

704 Graduate Catalog • College of Liberal Arts

WMST 632B - History of American Women Since 1870

Credits 3

Women's relationship to the economy and to political movements, changing ideals of womanhood, the demographic and sexual revolutions transforming family life and gender roles, and class, race, ethnic, and regional variations in female experience. Notes: This course is crosslisted with WMST 632B. Credit at the 600-level requires additional work.

WMST 672 - Controversies in Gender and Race Credits 3

Situates selected current topics in historical, social, political, economic, intellectual, and popular culture contexts. Topics may include rape, police profiling, civil rights, reparations for slavery, feminist activism, immigration. Students develop and apply critical thinking, reading, and writing to variety of academic and non-academic situations. Notes: This course is crosslisted with WMST 472. Credit at the 600-level requires additional work.

WMST 673 - Chicana Feminism and Experience Credits 3

Examines Chicana/Latina experiences as they intersect with race, class, gender, sexuality, and nation. Examines the work of Chicana/Latina writers, feminists, scholars, performers, artists, filmmakers, and activists. Focuses on issues such as immigration, labor, family, language, education, spirituality, identity, patriarchy, homophobia, and racism. Notes: This course is crosslisted with WMST 473. Credit at the 600-level requires additional work. Prerequisites: Graduate standing.

WMST 674 - Gender, Sexuality, and Consumer Culture

Credits 3

Explores theoretical and empirical approaches to consumer culture, with a focus on gender, sexuality, social class, and consumption. Examines the rise of mass consumerism in American society, and the ways social participation, individual identities, subcultural communities, and political life are shaped through varied acts of consumption. Notes: This course is crosslisted with WMST 474. Credit at the 600-level requires additional work.

WMST 675 - Gender, Development, and Globalization

Credits 3

Examines the relationship between women's position and processes of development and globalization, with a primary focus on Third World women. Considers the interaction of local and global forces in creating change (both positive and negative) and women's perspectives and activism for promoting social equity. Notes: This course is crosslisted with WMST 475. Credit at the 600-level requires additional work. Prerequisites: Graduate Standing.

WMST 676 - Feminism and Activism Credits 3

Presents selected activist movements across the political spectrum. Includes nineteenth century abolitionism, women's rights and twentieth century socialism and feminism. Also examines movements for social change from the right and left. Notes: This course is crosslisted with WMST 476. Credit at the 600-level requires additional work. Prerequisites: Graduate Standing.

WMST 677 - Critical Race Feminism Credits 3

Examination of feminist theories put forward by women of color. Topics include critical race feminist approaches to race, ethnicity, gender, class, sexuality, language, immigration, and labor. Notes: This course is crosslisted with WMST 477. Credit at the 600-level requires additional work.

WMST 688 - Bodies, Sex, and Health Credits 3

Examines the impact of social, economic, scientific, and political issues on women's mental and physical health. Includes structural analysis, advocacy, and ethical implications, as well as gender, race, class, and sexuality. Grading Letter grade Prerequisites: Graduate standing

WMST 690 - Special Topics Credits 3

Intensive study of a major topic in women's studies. Notes: This course is crosslisted with WMST 490. Credit at the 600-level requires additional work. May be repeated to a maximum of twelve credits.

WMST 691B - Women in Medieval Culture and Society Credits 3

Explores medieval women's experiences as religious leaders, workers, queens, and ladies of the manor, and as mothers, wives and daughters. Special attention paid to women's voices expressed in letters and autobiography, literature, historical records and art. Notes: This course is crosslisted with WMST 491B. Credit at the 600-level requires additional work.

WMST 692A - Women in Early Modern Europe Credits 3

Explores the roles of women during the Renaissance, Reformation, and the early modern period. Topics include women and work, women's participation in the creation of culture and religion, and the European witch-hunts. Notes: This course is crosslisted with WMST 492A. Credit at the 600-level requires additional work.

WMST 695 - Special Topics in Gender and History Credits 3

Study of a selected topic concerning gender and history. Notes: This course is crosslisted with WMST 495. Credit at the 600-level requires additional work. May be repeated to a maximum of six credits.

WMST 697 - Feminist Praxis Credits 3

Discussion of the principles of feminist praxis and synthesis of knowledge of Gender and Sexuality Studies as well as the definition of feminist praxis, response to patriarchy, and alternative practices. Notes: This course is crosslisted with WMST 497. Credit at the 600-level requires additional work. Grading Letter grade Prerequisites: Graduate standing

WMST 700 - Introduction to Women's Studies Credits 3

Satisfies the prerequisite for admission to the women's studies graduate certificate program for those applicants who have no prior knowledge of the field, as demonstrated either by undergraduate course work in women's studies or extensive reading of and familiarity with women's studies scholarship. Prerequisites: Graduate Standing.

WMST 701 - Feminist Theory Credits 3

Interdisciplinary examination of feminist principles of analysis, applied to gendered social life. Encompasses multicultural and transnational perspectives on the questions: What is feminist theory? What is the relationship between theory and practice? What is the role of theory in political and social activism? What does it mean to "do" theory? Prerequisites: Admission to Graduate Certificate Program; or completion of two 600-level Women's Studies or crosslisted courses on women and/or gender, or permission of instructor.

WMST 702 - Principles of Feminist Inquiry Credits 3

Introduction to the theory and application of research methods from critical feminist inquiry approach. Investigates core scholarship of feminist inquiry applied to research methods in the last twenty-five years. Prerequisites: Admission to Graduate Certificate Program; or completion of two 600-level Women's Studies or cross-listed courses on women and/or gender; or permission of instructor.

WMST 703 - Feminist Pedagogy Credits 3

Historical development of theory and practice of feminist pedagogy offers opportunity to practice the art. Students prepared to teach interdisciplinary women's studies courses at postsecondary level. Prerequisites: Admission to Graduate Certificate Program; or completion of two 600-level Women's Studies or cross-listed courses on women and/or gender; or permission of instructor.

WMST 710 - Graduate Capstone Seminar Credits 3

Capstone seminar provides opportunity for students to reflect critically on theories and methods of interdisciplinary women's studies scholarship and apply them either to production of knowledge in the arts, humanities, social sciences, or natural sciences or to their practice as psychologists, social workers, nurses, librarians, teachers, and other working professionals. Prerequisites: WMST 701 and WMST 702

WMST 799 - Independent Study Credits 3

Independent study of special topics selected in consultation with the chair of women's studies. Notes: May be repeated to a maximum of six credits. Prerequisites: Consent of chair.

World Languages and Cultures

The focus on language, literature, and culture in the Spanish M.A. program offers a variety of study options in order to meet the growing demand for students who seek to acquire not only a humanistic preparation in a second language but also the necessary tools for an important practical application of a second language to their future careers. These include, among many others, areas such as public and private school teaching, communications, business, law, medicine, or further graduate studies at another institution of higher learning. Enrollment in small seminars allows students to interact easily with peers and create productive mentor relationships with the faculty.

Susan Byrne, Ph.D., Chair

Alicia Rico, Ph.D., Graduate Coordinator

World Languages and Cultures Faculty

Chair

Byrne, Susan

Professor; B.A., Hunter College; M.Phil.
Ph.D., CUNY. Rebel since 2016.

Graduate Coordinator

Jara, Margarita

Associate Professor; B.A., Pontificia Universidad Católica del Perú; M.A., Ph.D., University of Pittsburgh. Rebel since 2016.

Graduate Faculty

Arteaga, Deborah L.

Professor; B.A., Wichita State University;
M.A., University of Colorado, Boulder; Ph.D.,
University of Washington. Rebel since 1992.

Bao, Ying

Associate Professor; B.A., Jiangxi University; M.A.,
Nanjing Normal University; M.A., Ohio State University;
Ph.D., Ohio State University. Rebel since 2008.

Buechler, Ralph

Associate Professor; B.A. Washington University,
M.A. University of Illinois Urbana Campus, Ph.D.,
University of Wisconsin. Rebel since 1989.

Cañete-Jurado, Vanessa

Assistant Professor; B.A. Universidad de Málaga;
M.A., Ph.D. SUNY Binghamton. Rebel since 2016

Galindo, Jorge

Associate Professor; Licenciatura, Letras
Españolas Instituto Tecnológico de Monterrey;
M.A., New Mexico State University; Ph.D.,
University of Kansas. Rebel since 1997.

Gandía, Elena

Faculty-in-Residence; B.A., M.A., Universidad de Granada;
Ph.D. Universitat Jaume I, Castellón. Rebel since 2012.

Harp, Margaret R.

Associate Professor; B.A., Newcomb College; M.A.,
Ph.D., Tulane University. Rebel since 1989.

Natale, Giuseppe

Associate Professor; Laurea in Lettere,
Universita de Torino; M.A., Ph.D., University
of Washington. Rebel since 2000.

Rico, Alicia

Associate Professor; Licenciatura, Universidad
de Alicante, Spain; M.A., Ph.D. University
of Kansas. Rebel since 2001.

Takemaru, Naoko

Associate Professor; M.A., Michigan State; M.A.,
Monterey Institute of International Studies; Ph.D.,
Claremont Graduate University. Rebel since 2003.

Professors Emeriti

Bellver, Catherine

Emerita Distinguished Professor; B.A. Northwestern
University; M.A., Ph.D. University of California,
Berkeley. UNLV Emerita 1972-2016.

Koester, Rudolf

Emeritus Professor; B.A., M.A., University
of California, Los Angeles; Ph.D., Harvard
University. UNLV Emeritus 1969-2000.

Schmiedel, Donald

Emeritus Associate Professor; B.A., Kent State
University; M.A., Ph.D., University of Southern
California. UNLV Emeritus 1965-1999.

Plan

Graduate Certificate in Spanish Translation

Master of Arts - Hispanic Studies

Graduate Certificate in Spanish Translation

Plan Description

The post-baccalaureate certificate program provides professional training in translation for both native English speakers with advanced knowledge of Spanish and native Spanish speakers with advanced knowledge of English. Translation and interpretation competence requires a near perfect understanding of the subtleties and nuances of meaning in one language, culture, and context for conveying the same or similar meaning in a different language. It requires superior command of the full range of registers not only in a first language, but in one or more other languages as well.

For more information about your program, including your graduate program handbook and learning outcomes, please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

Applicants to the program must hold a B.A., with a GPA of 3.00 in their major field.

Applicants must demonstrate an advanced level of proficiency in both English and Spanish; non-native speakers of those languages must take a placement exam administered by the Department of World Languages and Cultures (Spanish) or the English Language Center (English). There is no cost for the placement exam in Spanish, which involves a written test and an interview. The English Language Center will charge \$95 for the higher-level Michigan Test of English Language Placement. A degree from an English-language accredited institution of higher education may be substituted for the latter, upon departmental approval.

Applicants must be accepted by the Graduate College.

Students are accepted into a certificate program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

Total Credits: 19

Course Requirements

Required Courses - Credits: 13

- WLC 715 - Theory of Translation
- WLC 716 - Workshop in Translation

- SPAN 770 - Studies in Translation
- SPAN 780 - Studies in Interpretation
- SPAN 799 - Final Assessment and Exam

Electives - Credits: 6

Complete two graduate-level, advisor-approved courses.

Note: Per Graduate College requirements, courses first used to fulfill requirements for the certificate may be used later toward the M.A. in Hispanic Studies. However, courses used first to fulfill requirements toward a previously-conferred degree may not be used to fulfill requirements for the certificate. The degree and certificate may be earned simultaneously.

Certificate Requirements

1. Students must complete a final assessment given in the context of the final course, SPAN 799. The final assessment will take into account three different components – linguistic, technical, and cultural – and each component will be equally weighted.
2. For the duration of the certificate program, each student will build an Assessment Portfolio. The Assessment Portfolio will comprise all relevant courses taken at UNLV or at another institution, language tests in the source language and target language, translation projects completed within the UNLV program or specific training in interpretation. The Assessment Portfolio will perform a diagnostic function, allowing the instructor(s) to assess strengths and weaknesses of the student. The portfolio will be used to provide constructive feedback to those students who have weak areas and need additional work before they can successfully complete the program.
3. Once the student has met all required conditions for the certificate – number of credits, core courses, and language proficiency – he or she will be required to take an exit exam administered in the context of a one-credit final course, SPAN 799. The exam will duplicate as closely as possible the conditions in which translators and interpreters work in the professional world.
4. The exit exam will be performed under specific time constraints, appropriate to the task.
5. Students will choose which of the two exit exams (translation or interpretation) they will sit for, based on their individual preparation and experience.
6. Once the exit examination is selected, it may not be changed.
7. Each candidate will be able to utilize the necessary tools typical for these situations (dictionaries, glossaries, terminology databases; laptops/ computers; Internet resources, etc.).
8. A minimum of 80 percent must be achieved in this test to be awarded the Translation Certificate.

9. Should a student fail to achieve 80 percent on the SPAN 799 exit exam, s/he may take an incomplete in the course. Following standard practice of the Graduate College, that incomplete allows for up to one year for the student to re-take the exam and score a passing grade of 80 percent or better.
10. The criteria used at the final exam for interpreters and translators vary, as the two disciplines require partly different skills:
11. Assessment for Interpreters includes: language quality, appropriate cultural decoding, grammar, pronunciation/enunciation, timing/rate, register, style, accuracy, eloquence, and general effectiveness.
12. Assessment for Translators includes: language quality, appropriate cultural decoding, grammar, spelling, punctuation, recognition of textual levels, style, and general effectiveness.

Plan Certificate Completion Requirements

Students must maintain a GPA of 3.0 in all course work completed. Students are strongly encouraged to complete the program within three semesters, given the rotation of courses.

Master of Arts - Hispanic Studies

Plan Description

The M.A. program in Hispanic Studies is flexible, allowing students to concentrate on culture, language, literature, and translation. The program aims to meet the needs of students interested in teaching and other professions.

For more information about your program, including your graduate program handbook and learning outcomes, please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

Before acceptance into the program, students will take a pre-qualifying examination administered by the department that will test their Spanish language skills. Students must pass this examination before being officially admitted to the M. A. program. The exam may be retaken once.

Candidates for admission to the graduate program in foreign languages should have the equivalent of the UNLV undergraduate major in the corresponding language with a minimum grade point average of 3.00 in the major field. In some cases, a student who has a bachelor's degree in another discipline could be admitted to the program upon the recommendation of the department graduate advisor. Possible transfer credit will be determined by the

graduate coordinator in accordance with the policies of the Graduate College. To apply for admission, submit to the Graduate College an application, official transcripts of all college-level work, and two letters of recommendation. Applicants must also take a pre-qualifying Spanish grammar administered by the Department.

All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

Total Credits Required: 33

Course Requirements

Required Linguistics Course – Credits: 3

Complete one of the following courses:

- WLC 714 - Current Issues in Second Language Acquisition
- SPAN 717 - Seminar in Spanish Linguistics

Required courses – Credits: 6

- SPAN 709 - Writing Workshop
- SPAN 720 - Critical Analysis

Elective Courses – Credits: 18-21

A variety of courses in language, linguistics, literature, and culture will be offered to allow students to complete their degree. Students completing the Comprehensive Written Examination must complete a minimum of 21 credits of elective coursework, and students completing the Research Project must complete a minimum of 18 credits of elective coursework.

Culminating Experience – Credits: 3-6

Select one of the following:

- SPAN 798 - M. A. Written Examination
- SPAN 797 - M.A. Written Project (6 credits)

Degree Requirements

1. Completion of a minimum of 33 credit hours with a minimum GPA of 3.00.
2. Students may apply a maximum of 9 credits at the 600-level to their graduate program.
3. Courses taken for graduate credit may not be repeated, with the exception of SPAN 730 and SPAN 740, provided that topics change. Graduate courses may not be audited without the consent of the instructor. A grade below a B- will place a student on probation. A second grade below a B- will cause a student to be separated from the program.

Plan Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements for the program.

2. To qualify for graduation, each student must successfully pass a written examination or complete a final research project.

a. **Written Examination:** Students choosing the written examination option must include SPAN 798 in their program. After completing 21 credits, students, in consultation with the graduate coordinator, will choose for their examination three of the following six areas of concentration: Peninsular culture, Latin American culture, linguistics, Peninsular literature, Latin American literature, and translation theory. Once these areas are chosen they may not be changed, nor may the option be changed. The exam will be based on the courses taken as well as on a supplementary list of readings for each area available in the department. The exam will include three 90-minute sections drafted by the examination committee. Grammatical accuracy will also be a graded component of the exam. After passing all three parts of the written exam, students will take an oral examination covering these chosen areas. Students who do not pass any part(s) of the exam will be allowed to retake the failed part(s) only once. Students who do not pass all three parts and the oral examination the second time will be separated from the program.

b. **Final Research Project:** Students with at least a 3.8 GPA may (upon the approval of the Spanish graduate coordinator) substitute a final project (six credits of SPAN 797) for the written examination. Before initiating the project, students will establish a three-member faculty examination committee and secure their approval of the project proposals. If the proposal is rejected twice, the student must take the written examination option. When accepted projects are completed, students will take the Final Examination, an oral examination covering the final project. The committee shall consist of the project director, two other members of the graduate faculty, and the graduate faculty representative. Students whose projects are not acceptable for defense will be allowed to resubmit their project the following semester. Students who do not secure approval the second time will be separated from the program. More detailed guidelines will be distributed to enrolled students.

World Languages and Cultures Courses

FRE 632 - Renaissance Literature

Graduate credit (12 credits maximum) may be obtained for courses designated 650 or above when taught by graduate faculty. A full description of this course may be found in the Undergraduate Catalog under the corresponding 400 number. Notes: Credit at the 600-level requires additional work.

FREN 701 - Methods of Literary Research and the Writing of Essays Credits 3

Bibliography and documentation including the techniques of the dissertation française (three-part essay).

FREN 702 - French Literary Criticism Credits 3

History of literary criticism from the Renaissance to the present. Theories and techniques of twentieth-century literary criticism emphasized.

FREN 703 - Guided Reading and Research Credits 1 – 3

Notes: May be repeated for up to six credits.

FREN 704 - Selected Topics in French Literature Credits 3

Study of a particular literary theme or individual writer as chosen by the professor. Topics vary. Notes: May be repeated for credit.

FREN 722 - The Courtly Romance Credits 3

Studies origins and variations of French courtly romance. Close analysis of prevalent themes and stylistic found in works of Marie de France, Chretien de Troyes, and Guillaume de Lorris. Prerequisites: Graduate standing or consent of instructor.

FREN 741 - The Development of the French Novel Credits 3

Evolution of the novel as a genre, from Chretien de Troyes to contemporary writers. Notes: Taught in French.

FREN 742 - The Evolution of French Theater Credits 3

Study of the development of the dramatic arts in France. Notes: Taught in French.

FREN 743 - The Evolution of French Poetry Credits 3

Evolution of poetry, from the troubadours to contemporary French poets. Notes: Taught in French.

FREN 755 - Studies in Francophone Culture Credits 3

Presentation of French speaking cultures outside metropolitan France. Notes: May be repeated for up to six credits. Taught in French.

FREN 792 - Studies in Francophone Literature Credits 3

Study of principal works in Francophone literature. Notes: May be repeated for up to six credits. Taught in French.

FREN 797 - Thesis Credits 3 – 6

Research, analysis, and writing towards completion of thesis and subsequent defense.

ITAL 603 - Advanced Reading Proficiency in Italian Credits 3

Develops advanced reading skills in Italian through textual analysis of a broad range of reading materials. Notes: This course is crosslisted with ITAL 403. Credit at the 600-level requires additional work. May be repeated to a maximum of twelve credits.

ITAL 662 - Dante's Divine Comedy Credits 3

A select reading in the Divine Comedy with some reference to Dante's other works, Convivio, Monarchia, and Vita Nuova. Notes: This course is crosslisted with ITAL 462. Credit at the 600-level requires additional work. Taught in English.

SPAN 612 - Advanced Translation Credits 3

Examines the main aspects of contrastive grammar and stylistics used in Spanish/English translation, while providing practical opportunities to incorporate and apply the material. Exposure to a variety of translation fields. Notes: This course is crosslisted with SPAN 412. Credit at the 600-level requires additional work. Prerequisites: Permission of instructor.

SPAN 613 - Advanced Interpretation Credits 3

Practice the techniques of consecutive, simultaneous, and sight interpreting. Terminology used by interpreters in a variety of settings, with an emphasis on court interpretation. Notes: This course is crosslisted with SPAN 413. Credit at the 600-level requires additional work. Prerequisites: Permission of instructor.

SPAN 650 - Advanced Topics in Hispanic Literature Credits 3

In-depth critical study of selected themes, modes, literary forms and strategies in Hispanic literature. May be repeated provided the sub-title is different. Notes: This course is crosslisted with SPAN 450. Credit at the 600-level requires additional work. Maybe be repeated to a maximum of twelve credits.

SPAN 696 - Spanish Dialectology Credits 3

Study of different regional varieties of the Spanish language throughout the world, including differences in pronunciation, grammar, and vocabulary. Sociolinguistic aspects also covered. Notes: This course is crosslisted with SPAN 496. Credit at the 600-level requires additional work.

SPAN 709 - Writing Workshop Credits 3

Enhance students' writing skills in Spanish. Some grammar issues reviewed. Analyzes writing techniques for different texts such as reports, summaries, reviews and analytical papers. Student apply these techniques to their own assignments. Notes: Taught in Spanish. Prerequisites: Successful completion of departmental Spanish language exam.

SPAN 710 - Studies in the Spanish Language Credits 3

Current approaches to topics related to the Spanish language. Notes: May be repeated with different topics to a maximum of six credits. Taught in Spanish. Prerequisites: SPAN 717 or consent of instructor.

SPAN 713 - Spanish Sociolinguistics Credits 3

Overview of the varied manifestations of the Spanish language. Topics include regional variation, social variation, code-switching, and bilingualism. Notes: Taught in Spanish. Prerequisites: SPAN 717 or consent of instructor.

SPAN 717 - Seminar in Spanish Linguistics Credits 3

Introduction to structure of the Spanish language within framework of theoretical linguistics. Topics covered include analysis of Spanish sound system, word formation processes, and sentence structure. Notes: Taught in Spanish.

SPAN 720 - Critical Analysis Credits 3

Discussion of textual criticism, based on broad concept of text used by current theoretical trends. Theoretical approaches include Russian Formalism to Postmodernism and application to different texts such as film, architecture, comics, commercial ads, TV programs, fashion and literary texts. Notes: Taught in Spanish.

SPAN 730 - Studies in Hispanic Culture Credits 3

Study of aspects of culture reflected in works of scholars, writers, artists, and the mass media. Notes: May be repeated with different topics for a maximum of six credits. Taught in Spanish.

SPAN 740 - Studies in Hispanic Literature Credits 3

Covers selected works in Hispanic literature which reflect prominent cultural trends. Texts studied may represent historical periods, a literary genre, or a single important author. Variety of critical perspectives and overview of the sociopolitical environment incorporated. Notes: May be repeated with different topics. Taught in Spanish.

SPAN 770 - Studies in Translation Credits 3

Offers access to wide range of topics in Spanish-English translation. Focuses on a specific area, such as the translation of cultural difference or the formal problems involved in the translation of poetry. Notes: May be repeated a maximum of six credits. Taught in Spanish. Prerequisites: SPAN 709

SPAN 780 - Studies in Interpretation Credits 3

Offers access to wide range of topics in Spanish-English interpretation. Focuses on a specific area, such as advanced medical, legal or conference interpretation. Notes: May be repeated to a maximum of six credits. Taught in Spanish. Prerequisites: SPAN 709

SPAN 796 - Independent Study Credits 3

Individual reading projects under direction of a faculty member. Department approval must be obtained prior to registration. Notes: May be repeated to a maximum of six credits. Prerequisites: Department approval prior to registration.

SPAN 797 - M.A. Written Project Credits 3

Development and undertaking of a capstone project in the M.A. program. Approval from student's M.A. Committee must be obtained prior to registration. Notes: May be repeated to a maximum of six credits. Prerequisites: Approval from student's M.A. Committee.

SPAN 798 - M. A. Written Examination Credits 3

Preparation for the written examination, including the supplementary reading lists. Generally taken in the same semester as written M. A. exam. Notes: May not be repeated for credit. Grading Grade will be pass/fail based on the results of the examination. Prerequisites: Consent of graduate coordinator.

WLC 714 - Current Issues in Second Language Acquisition**Credits 3**

Investigates current issues in theoretical studies of second language acquisition, and a comparison of L1/L2 acquisition in light of recent developments in linguistic theory and empirical studies. Provides overview of major subdisciplines, issues and approaches.

WLC 715 - Theory of Translation Credits 3

Readings in the theory of translation, as well as textual analysis of existing translations to and from several different languages. Notes: Taught in English. Prerequisites: Graduate student with advanced knowledge of one foreign language, consent of instructor.

WLC 716 - Workshop in Translation Credits 3

Explores problems inherent in the translation of foreign texts, works on individual and common projects with assistance of instructor. Notes: May be repeated to a maximum of six credits. Prerequisites: Graduate student with advanced knowledge of one foreign language, WLC 715, consent of instructor.

WLC 717 - Independent Studies in Translation Credits 3

Opportunity to pursue an individualized course or project in translation studies. Notes: May be repeated to a maximum of six credits. Prerequisites: Graduate student with advanced knowledge of one foreign language, WLC 715, WLC 716, consent of instructor.

College of Sciences

The natural and mathematical sciences represent the dual cutting edges of our technological future. UNLV's College of Sciences is dedicated to making this future real, in the creation of new knowledge through research, and in the application of that knowledge in the classroom and in the development of technological advances to benefit society. These are the guiding principles that bring students, faculty, and staff together. Whether in a small discussion session, in a research laboratory or in the field, College of Sciences graduate students are in an environment in which learning, discovery, and innovation are the common goals. Many students choose a graduate institution based on the reputation of an individual faculty scholar or laboratory group. This is often an excellent approach to find the right match between a new graduate student and a mentor. Still, students who come to UNLV's College of Sciences without a particular graduate project in mind can count on identifying potential major professors who are receptive to a wide array of interests and backgrounds. Through its active programs of research and teaching, the College of Sciences has established a remarkable foundation of state-of-the-art instrumentation and facilities, providing an ever-growing set of opportunities for students who desire the best from their graduate experiences. Students who graduate with a master's or doctoral degree from the College of Sciences fulfill their professional goals, and are competitive for career positions in academia, industry, or in governmental or non-governmental organizations.

Eric L. Chronister, Dean

Andrew J. Andres, Interim Executive Associate Dean

Bing Zhang, Associate Dean for Research

Programs

Chemistry and Biochemistry

Geoscience

School of Life Sciences

Mathematical Sciences

Physics and Astronomy

Water Resources Management

Chemistry and Biochemistry

The Department of Chemistry and Biochemistry offers the Ph.D. in Chemistry or Ph.D. in Radiochemistry and the M.S. in Chemistry or the M.S. in Biochemistry. Students may supplement their programs with appropriate courses from other science departments, with the approval of their graduate committee. Research may include projects conducted in the Department of Chemistry and Biochemistry, the Harry Reid Center, the Desert Research Institute, or the Environmental Protection Agency.

For additional information contact: Dong-Chan Lee (Graduate Coordinator) at (702) 895-3510.

Spencer Steinberg, Ph.D., Chair

Dong-Chan Lee, Ph.D., Graduate Coordinator

Frederic Poineau, Ph.D., Graduate Coordinator – Radiochemistry

Chemistry and Biochemistry Faculty

Chair

Steinberg, Spencer - Full Graduate Faculty
Professor; Environmental & Organic Chemistry; B.A., Ph.D., University of California, San Diego. Rebel since 1989.

Graduate Coordinator

Lee, Dong-Chan - Full Graduate Faculty
Associate Professor; Organic & Materials Chemistry; B.Eng., M.Eng., Kyungpook National University, Korea; Ph.D., University of Massachusetts, Lowell. Rebel since 2005.

Poineau, Frederic – Full Graduate Faculty
Associate Professor; Radiochemistry

Graduate Faculty

Abel-Santos, Ernesto - Full Graduate Faculty
Professor; Biochemistry; B.S., Autonomous University of Santo Domingo, Dominican Republic; Ph.D., Washington University School of Medicine, St. Louis. Rebel since 2006.

Bhowmik, Pradip - Full Graduate Faculty
Professor; Organic & Polymer Chemistry; M.S., University of Dhaka, Bangladesh; M.S., University of Massachusetts at Dartmouth; Ph.D., University of Massachusetts at Amherst. Rebel since 1998.

Czerwinski, Kenneth R. - Full Graduate Faculty
Professor; Radiochemistry; B.A., Knox College; Ph.D., University of California, Berkeley. Rebel since 2003.

Forster, Paul - Full Graduate Faculty
Associate Professor; Inorganic & Radiochemistry; B.S., Oregon State University; Ph.D., University of California, Santa Barbara. Rebel since 2008.

Gary, Ronald K. - Full Graduate Faculty
Professor; Biochemistry; B.S., University of California, Irvine; Ph.D., Cornell University. Rebel since 1999.

Gelis, Art - Full Graduate Faculty
Associate Professor; Radiochemistry

Hatchett, David W. - Full Graduate Faculty
Professor; Environmental & Analytical Chemistry; B.S., California State University, Stanislaus; Ph.D., University of Utah. Rebel since 1999.

Heske, Clemens - Full Graduate Faculty

Professor; Materials Chemistry; Diploma, TH Darmstadt, Germany; Dr. rer. nat., University of Würzburg, Germany. Rebel since 2004.

Hodge, Vernon F. - Full Graduate Faculty

Professor; Environmental & Analytical Chemistry; B.A., M.S., San Diego State University; Ph.D., University of California, San Diego. Rebel since 1982.

Kang, Jun Young - Full Graduate Faculty

Associate Professor; Organic Chemistry; M.S., San Francisco State University; M.S., Ph.D., Texas A&M University. Rebel Since 2013.

Kleiger, Gary - Full Graduate Faculty

Associate Professor, Biochemistry; B.S. University of California, San Diego; Ph.D., University of California, Los Angeles. Rebel since 2011.

Naduvath, Balakrishnan - Full Graduate Faculty

Professor; Physical & Environmental Chemistry; M.S., University of Calicut, India; Ph.D., Indian Institute of Technology, Kanpur. Rebel since 2002.

Orgill, MaryKay - Full Graduate Faculty

Professor; Chemical Education; B.S. Brigham Young University; M.S., Ph.D., Purdue University. Rebel since 2004.

Robins, Kathleen A. - Full Graduate Faculty

Associate Professor; Physical Chemistry; B.S., University of Illinois, Champaign-Urbana; M.A., Ph.D., University of California, Santa Barbara. Rebel since 1991.

Rusinek, Cory A. - Full Graduate Faculty

Assistant Professor; Analytical Chemistry & Electrochemistry; B.A., Case Western Reserve University; Ph.D., University of Cincinnati. Rebel since 2019.

Spangelo, Bryan L. - Full Graduate Faculty

Professor; Biochemistry; B.S., Keene State College; Ph.D., George Washington University Medical Center. Rebel since 1994.

Sun, Hong - Full Graduate Faculty

Associate Professor, Biochemistry.

Zhang, Hui - Full Graduate Faculty

Associate Professor, Biochemistry.

Professors Emeriti

Alsop, William M.

Emeritus Associate Professor; B.S., M.E., Ph.D., University of Wyoming. UNLV Emeritus 1964-1991.

Billingham, Edward J., Jr.

Emeritus Professor; B.S., Lebanon Valley College; Ph.D., Pennsylvania State University. UNLV Emeritus 1965-1988.

Earl, Boyd

Emeritus Professor; B.S., University of Idaho; M.S., Ph.D., University of California, Berkeley. UNLV Emeritus 1976.

Emerson, David W.

Emeritus Professor; B.A., Dartmouth College; M.S., Ph.D., University of Michigan. UNLV Emeritus 1981-1998.

Grenda, Stanley C.

Emeritus Professor; B.S., DePaul University; M.S., University of Arizona; Ph.D., Lehigh University. UNLV Emeritus 1967.

Tirri, Lawrence J.

Emeritus Professor; Biochemistry; B.S., Fairleigh Dickinson University; Ph.D., Fordham University. UNLV Emeritus 2017.

Titus, Richard L.

Emeritus Professor; B.A., DePaul University; Ph.D., Michigan State University. UNLV Emeritus 1967-1997.

Plans

Master of Science - Chemistry

Master of Science - Biochemistry

Doctor of Philosophy - Chemistry

Doctor of Philosophy – Radiochemistry

Master of Science - Chemistry

Plan Description

Our graduate programs offer exceptional research opportunities for advanced training in a wide variety of chemistry related disciplines including Organic, Physical, Analytical, Computational, Materials, Biochemistry, and Chemical Education. The graduate student to faculty ratio in the department is nearly one-to-one. Consequently, our diverse student body receives a high level of individualized interaction with excellent faculty through customized research projects, specialized course work, professional development, and graduate seminars. In addition, many of our research programs offer exciting interdisciplinary collaborations with local scientists, as well as with scientists nationally and internationally.

For more information about your program, including your graduate program handbook and learning outcomes, please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

Admission to the program requires an undergraduate degree in chemistry, chemical engineering, biology, biochemistry or a related discipline, with a cumulative GPA of 2.75, or of 3.00 for the last two years of undergraduate work. An application must be submitted to the Graduate College, with official transcripts of all college-level work. Two letters of recommendation from individuals able to assess the applicant's potential as a graduate student should be sent directly to the department along with an additional set of transcripts. The GRE General Aptitude Test results must be received by the department prior to regular admission.

Individuals with apparent deficiencies in their undergraduate background may be required to enroll in selected courses in addition to those listed in the following section to satisfy M.S. degree requirements.

All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

Total Credits Required: 30

Course Requirements

Graduate Seminar Course – Credits: 2

- CHEM 791 - Graduate Seminar

Elective Courses – Credits: 18

Complete 18 credits of elective coursework.

Independent Study – Credits: 4

- CHEM 795 - Independent Study

Thesis – Credits: 6

- CHEM 798 - Thesis

Degree Requirements

1. Students must complete a minimum of 30 credit hours with a minimum GPA of 3.00.
2. No grade lower than C is acceptable, and only one grade below B- is permitted.
3. At least 12 credits of electives must be in courses at the 700-level.
4. In consultation with his/her advisor, a student will organize a thesis committee of at least three departmental members. In addition, a fourth member from outside the department, known as the Graduate College Representative, must be appointed. An additional committee member may be added at the student and department's discretion. Please see Graduate College policy for committee appointment guidelines.
5. Research and course work specializations are available in analytical chemistry, biochemistry, organic chemistry, and physical chemistry. The individual student's program of course work must be selected in consultation with and approved by the student's committee, and may include courses from selected disciplines other than chemistry, such as biology, physics, civil and environmental engineering, or water resources management.
6. Each student is required to present a departmental seminar on the student's research prior to graduation. This requirement is in addition to the two credits of Graduate Seminar. Students are expected to attend weekly departmental seminars.
7. Each student is required to meet at least once per semester with the student's examination committee. At the meeting in the semester prior to the expected term of graduation, the student will be asked to make a detailed presentation on research progress. The committee will then make recommendations to be addressed by the student during the remainder of the student's research program, in writing the thesis, and in the final examination. The committee may request another meeting prior to the final exam if deemed

necessary.

8. It is expected that each student be a teaching assistant for a minimum of two courses prior to graduation. It is also expected that each student publish at least one research-based manuscript in a peer-reviewed journal.

Plan Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
2. The student must submit and successfully defend his/her thesis by the posted deadline. The defense must be advertised and is open to the public.
3. After the thesis defense, the student must electronically submit a properly formatted pdf copy of their thesis to the Graduate College for format check. Once the thesis format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for thesis defenses, format check submissions, and the final ProQuest submission can be found here.

Master of Science - Biochemistry

Plan Description

Our graduate programs offer exceptional research opportunities for advanced training in a wide variety of chemistry related disciplines including Organic, Physical, Analytical, Computational, Materials, Biochemistry, and Chemical Education. The graduate student to faculty ratio in the department is nearly one-to-one. Consequently, our diverse student body receives a high level of individualized interaction with excellent faculty through customized research projects, specialized course work, professional development, and graduate seminars. In addition, many of our research programs offer exciting interdisciplinary collaborations with local scientists, as well as with scientists nationally and internationally.

For more information about your program, including your graduate program handbook and learning outcomes please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

Admission to the program requires an undergraduate degree in chemistry, chemical engineering, biology, biochemistry or a related discipline, with a cumulative GPA of 2.75, or of 3.00 for the last two years of undergraduate work. An application must be submitted to the Graduate College, with official transcripts of all college-level work. Two letters of recommendation from individuals able to

assess the applicant's potential as a graduate student should be sent directly to the department along with an additional set of transcripts. The GRE General Aptitude Test results must be received by the department prior to regular admission.

Individuals with apparent deficiencies in their undergraduate background may be required to enroll in selected courses in addition to those listed in the following section to satisfy M.S. degree requirements.

All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

Total Credits Required: 30

Course Requirements

Graduate Seminar Course – Credits: 2

- CHEM 791 - Graduate Seminar

Elective Courses – Credits: 18

Complete 18 credits of advisor-approved coursework electives. These courses may include but are not limited to:

- CHEM 672 - Biochemistry Laboratory
- CHEM 770 - Protein Chemistry
- CHEM 771 - Metabolism and Energetics
- CHEM 772 - Nucleic Acid Chemistry
- CHEM 773 - Physical Biochemistry
- BIOL 701 - Ethics in Scientific Research

Independent Study – Credits: 4

- CHEM 795 - Independent Study

Thesis – Credits: 6

- CHEM 798 - Thesis

Degree Requirements

1. Students must complete a minimum of 30 credit hours with a minimum GPA of 3.00.
2. No grade lower than C is acceptable, and only one grade below B- is permitted.
3. At least 12 credits of electives must be in courses at the 700-level.
4. In consultation with his/her advisor, a student will organize a thesis committee of at least three departmental members. In addition, a fourth member from outside the department, known as the Graduate College Representative, must be appointed. An

additional committee member may be added at the student and department's discretion. Please see Graduate College policy for committee appointment guidelines.

5. Each student is required to present a departmental seminar on the student's research prior to graduation. This requirement is in addition to the two credits of Graduate Seminar. Students are expected to attend weekly departmental seminars.
6. Each student is required to meet at least once per semester with the student's examination committee. At the meeting in the semester prior to the expected term of graduation, the student will be asked to make a detailed presentation on research progress. The committee will then make recommendations to be addressed by the student during the remainder of the student's research program, in writing the thesis, and in the final examination. The committee may request another meeting prior to the final exam if deemed necessary.
7. It is expected that each student be a teaching assistant for a minimum of two courses prior to graduation. It is also expected that each student publish at least one research-based manuscript in a peer-reviewed journal.

Plan Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
2. The student must submit and successfully defend his/her thesis by the posted deadline. The defense must be advertised and is open to the public.
3. After the thesis defense, the student must electronically submit a properly formatted pdf copy of their thesis to the Graduate College for format check. Once the thesis format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for thesis defenses, format check submissions, and the final ProQuest submission can be found here.

Doctor of Philosophy - Chemistry

Plan Description

The Ph.D. degree in chemistry is primarily a research-based program that includes sufficient advanced course work to provide a strong background from which students may pursue forefront research, under the direct guidance of a faculty member, in their chosen areas of interest. The program is designed to develop the professional skills required to function as an independent researcher in chemistry.

For more information about your program, including your graduate program handbook and learning outcomes please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

For preferential consideration, please submit materials for Fall semester admission by February 1, and for Spring semester, by October 1.

1. The applicant is required to submit a completed Graduate College application, application fee and official transcripts to the Graduate College with copies submitted to the department.
2. Admission to the Ph.D. degree program in Chemistry requires a B.S. degree or a M.S. degree in Biochemistry, Chemistry, Biology, or a related discipline.
3. A minimum grade point average (GPA) of 3.00, on a 4.0 scale, for all undergraduate or graduate work is required for admission to the program.
4. In addition, the Graduate College application and official transcripts, the Department of Chemistry requires a statement of interest from the applicant. A letter of application should state interests and goals for graduate study. This is a 1-2 page essay describing the applicant's reasons for considering graduate study, goals after completion of the graduate degree, and the applicant's specific areas of interest.
5. The Department of Chemistry requires three letters of recommendation from persons familiar with the academic record of the applicant. Each letter should detail the potential of the applicant for advanced graduate work in Chemistry or Biochemistry.
6. The Department of Chemistry requires scores for GRE, General Record Exam, for admission.
7. All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described

programs are subject to change at any time.

Plan Requirements

See Subplan Requirements below.

Subplan 1 Requirements: Post-Bachelor's Track

Total Credits Required: 60

Course Requirements

Graduate Seminar Course – Credits: 5

Complete 5 credits of graduate seminar courses in CHEM 691 or CHEM 791 or combination of both. A minimum of 3 presentations are required in graduate seminar in CHEM 691 or CHEM 791 or combination of both.

- CHEM 691 - Graduate Seminar in Chemistry
- CHEM 791 - Graduate Seminar

Coursework Elective Courses – Credits: Minimum of 12

A minimum of 12 credits of advisor-approved coursework electives. These courses may include but are not limited to:

- CHEM 710 - Environmental Aquatic Chemistry
- CHEM 715 - Environmental Organic Chemistry
- CHEM 725 - Advanced Organic Chemistry
- CHEM 726 - Organic Synthesis
- CHEM 735 - Advanced Physical Chemistry
- CHEM 745 - Instrumental Analysis-Inorganic
- CHEM 749 - Polymer Chemistry
- CHEM 750 - Quality Assurance and Statistics
- CHEM 770 - Protein Chemistry
- CHEM 771 - Metabolism and Energetics
- CHEM 772 - Nucleic Acid Chemistry
- CHEM 773 - Physical Biochemistry
- CHEM 775 - Bioanalytical Environmental Toxicology
- CHEM 783 - Spectral Interpretation
- CHEM 793 - Special Topics

Research Elective Courses – Credits: 31

Complete 31 credits of advisor-approved research electives. These courses may include but are not limited to:

- CHEM 792 - Research Seminar
- CHEM 795 - Independent Study
- CHEM 796 - Dissertation Prospectus
- CHEM 797 - Directed Research

Dissertation – Credits: 12

- CHEM 799 - Dissertation

Degree Requirements

1. Doctoral students in Chemistry are required to complete a minimum of 60 credit hours beyond the baccalaureate.
2. All students are required to maintain a minimum a 3.00 grade point average in all graduate-level courses. Two grades of B- are permitted in the degree program as long as the GPA remains at or above 3.00. One grade of C+ or lower will result in academic probation even if the overall GPA is above 3.0. Two grades of C+ or lower will result in automatic suspension or separation from the program.
3. All students must meet with their advisory committee on a yearly basis, and all students must complete an annual evaluation form.
4. A dissertation advisor must be chosen by the end of the first semester, and the Doctoral Advisory Committee must be appointed prior to the end of the second semester. An approved graduate degree program must be filed prior to the beginning of the third semester of enrollment. All students must meet these deadlines; failure to do so will result in academic probation. Failure of a student on academic probation to meet these requirements within the next semester could result in separation from the program.
5. The Doctoral Advisory Committee must consist of the faculty advisor (chair), chemistry graduate faculty in the discipline of study, one additional chemistry graduate faculty member, and one graduate-college representative from outside the department. Failure to identify an advisor and form this committee will result in the student being placed on academic probation. The use of committee members external to UNLV is allowed with approval from the examination committee. External members without graduate faculty status at UNLV will be non-voting members of the Ph.D. examination committee.
6. All students are required to schedule an interview with the advisor either before or during the first semester of study. If the student does not select an advisor, the Graduate Coordinator will assign a temporary advisor. The purpose of the initial interview is to develop a plan of course work for the first year.
7. All students are required to schedule a diagnostic interview with the Doctoral Advisory Committee before the end of the 2nd semester. The purpose of the interview is to develop a list of recommended courses and design the student's degree program, which must be submitted prior to completing 16 credits of course work toward the degree.
8. All students must prepare a dissertation proposal for a Proposal Defense Examination. The student should register for the Dissertation Prospectus course. This examination must be completed prior to the end of the fourth semester. To remain in good standing students are required to develop and defend a dissertation

prospectus no later than the fourth semester of enrollment. If a student does not defend a dissertation prospectus they will be placed on academic probation. The Proposal Defense Examination focuses on the dissertation proposal and the student's ability to perform the research. It includes a formal oral presentation of the student's dissertation proposal, research to date, and questions by the dissertation advisory committee on the dissertation topic. The Proposal Defense Examination is to be taken prior to the Comprehensive Examination.

9. Advancement to Candidacy. Students will advance to candidacy if the Comprehensive Examination is passed and the enrolled coursework is successfully completed based on the evaluation of the students Doctoral Advisory Committee. The comprehensive exam will consist of written and oral components as defined by the Ph.D. Examination Committee. Satisfactory performance on the Comprehensive Examination requires that Ph.D. students have a basic knowledge of the discipline of study. It also requires the student to follow the guidelines established for each discipline (i.e., Biochemistry, Physical Chemistry, Analytical Chemistry, Inorganic Chemistry and Organic Chemistry). The student's Doctoral Advisory Committee or the faculty from the discipline of study will determine the format and content of both the written and oral exams.
10. The Ph.D. Examination Committee will determine if the student passes the Comprehensive Examination. If a student fails any part of the Comprehensive Examination, the Ph.D Examination Committee will determine if the student is allowed to retake the portion of the comprehensive exam that is not passed.
 1. Students who fail to pass any part of the Comprehensive Examination or Proposal Defense on the first attempt must successfully complete a second attempt (as specified by the Ph.D. Examination Committee) within the next six months to remain in the program.
 2. Failure to advance to candidacy by the end of the sixth semester of enrollment will result in the student being placed on academic probation. Failure to advance to candidacy by the end of the seventh semester will result in the student being separated from the program.
 3. Students who enter the program with a baccalaureate degree and who fail the second examination may be allowed to continue as a Master of Science student with the consent of the Doctoral Advisory Committee.
 4. A student who has successfully passed both the Proposal Defense and Comprehensive Examinations will advance to candidacy for the Ph.D. degree.
 5. After advancement, subsequent years of study

will be required for the graduate student to complete their degree. The duration of this period will depend on the success of the research project as defined by the Doctoral Advisory Committee.

6. Completed coursework will only be counted towards the graduation requirements of this program for eight years if the student completed a baccalaureate degree. It is recommended that students publish at least one research-based manuscript in a peer-reviewed journal prior to graduation.

7. Satisfactory performance on the final examination will consist of the presentation and defense of the dissertation research. The defense will consist of an oral presentation open to the public, a short period of questions from the public, a closed session of questions from the Doctoral Advisory Committee, and a closed deliberation and vote by just the Doctoral Advisory Committee members. Any graduate faculty member may attend the closed session of questions of the defense.

11. It is expected that each student be a teaching assistant for a minimum of two courses prior to graduation. It is also expected that each student publish research-based manuscripts in peer-reviewed journals.

Graduation Requirements

See Plan Graduation Requirements below.

Subplan 2 Requirements: Post-Master's Track

Total Credits Required: 30

Course Requirements

Graduate Seminar Course – Credits: 5

Complete 5 credits of graduate seminar courses in CHEM 691 or CHEM 791 or combination of both. A minimum of 3 presentations are required in graduate seminar in CHEM 691 or CHEM 791 or combination of both.

- CHEM 691 - Graduate Seminar in Chemistry
- CHEM 791 - Graduate Seminar

Elective Courses – Credits: 13

Complete 13 credits of advisor-approved electives. These courses may include but are not limited to:

- CHEM 710 - Environmental Aquatic Chemistry
- CHEM 715 - Environmental Organic Chemistry
- CHEM 725 - Advanced Organic Chemistry
- CHEM 726 - Organic Synthesis
- CHEM 735 - Advanced Physical Chemistry
- CHEM 745 - Instrumental Analysis-Inorganic
- CHEM 749 - Polymer Chemistry
- CHEM 750 - Quality Assurance and Statistics

- CHEM 770 - Protein Chemistry
- CHEM 771 - Metabolism and Energetics
- CHEM 772 - Nucleic Acid Chemistry
- CHEM 773 - Physical Biochemistry
- CHEM 775 - Bioanalytical Environmental Toxicology
- CHEM 783 - Spectral Interpretation
- CHEM 793 - Special Topics

Dissertation – Credits: 12

- CHEM 799 - Dissertation

Degree Requirements

1. Doctoral students entering the Ph.D. program with an approved M.S. degree in Chemistry or a closely related discipline, are required to complete a minimum of 30 credit hours in the Ph.D. program at UNLV.
2. All students are required to maintain a minimum a 3.00 grade point average in all graduate-level courses. Two grades of B- are permitted in the degree program as long as the GPA remains at or above 3.00. One grade of C+ or lower will result in academic probation even if the overall GPA is above 3.0. Two grades of C+ or lower will result in automatic suspension or separation from the program.
3. All students must meet with their advisory committee on a yearly basis, and all students must complete an annual evaluation form.
4. A dissertation advisor must be chosen by the end of the first semester, and the Doctoral Advisory Committee must be appointed prior to the end of the second semester. An approved graduate degree program must be filed prior to the beginning of the third semester of enrollment. All students must meet these deadlines; failure to do so will result in academic probation. Failure of a student on academic probation to meet these requirements within the next semester could result in separation from the program.
5. The Doctoral Advisory Committee must consist of the faculty advisor (chair), chemistry graduate faculty in the discipline of study, one additional chemistry graduate faculty member, and one graduate-college representative from outside the department. Failure to identify an advisor and form this committee will result in the student being placed on academic probation. The use of committee members external to UNLV is allowed with approval from the examination committee. External members without graduate faculty status at UNLV will be non-voting members of the Ph.D. examination committee.
6. All students are required to schedule an interview with the advisor either before or during the first semester of study. If the student does not select an advisor, the Graduate Coordinator will assign a temporary advisor. The purpose of the initial interview is to develop a

plan of course work for the first year.

7. All students are required to schedule a diagnostic interview with the Doctoral Advisory Committee before the end of the 2nd semester. The purpose of the interview is to develop a list of recommended courses and design the student's degree program, which must be submitted prior to completing 16 credits of course work toward the degree.
8. All students must prepare a dissertation proposal for a Proposal Defense Examination. The student should register for the Dissertation Prospectus course. This examination must be completed prior to the end of the fourth semester. To remain in good standing students are required to develop and defend a dissertation prospectus no later than the fourth semester of enrollment. If a student does not defend a dissertation prospectus they will be placed on academic probation. The Proposal Defense Examination focuses on the dissertation proposal and the student's ability to perform the research. It includes a formal oral presentation of the student's dissertation proposal, research to date, and questions by the dissertation advisory committee on the dissertation topic. The Proposal Defense Examination is to be taken prior to the Comprehensive Examination.
9. **Advancement to Candidacy.** Students will advance to candidacy if the Comprehensive Examination is passed and the enrolled coursework is successfully completed based on the evaluation of the students Doctoral Advisory Committee. The comprehensive exam will consist of written and oral components as defined by the Ph.D. Examination Committee. Satisfactory performance on the Comprehensive Examination requires that Ph.D. students have a basic knowledge of the discipline of study. It also requires the student to follow the guidelines established for each discipline (i.e., Biochemistry, Physical Chemistry, Analytical Chemistry, Inorganic Chemistry and Organic Chemistry). The student's Doctoral Advisory Committee or the faculty from the discipline of study will determine the format and content of both the written and oral exams.
10. The Ph.D. Examination Committee will determine if the student passes the Comprehensive Examination. If a student fails any part of the Comprehensive Examination, the Ph.D Examination Committee will determine if the student is allowed to retake the portion of the comprehensive exam that is not passed.

1. Students who fail to pass any part of the Comprehensive Examination or Proposal Defense on the first attempt must successfully complete a second attempt (as specified by the Ph.D. Examination Committee) within the next six months to remain in the program.

2. Failure to advance to candidacy by the end of the sixth semester of enrollment will result in the student being

placed on academic probation. Failure to advance to candidacy by the end of the seventh semester will result in the student being separated from the program.

3. Students who entered the program with a master's degree who fail the examination a second time will be separated from the program.

4. A student who has successfully passed both the Proposal Defense and Comprehensive Examinations will advance to candidacy for the Ph.D. degree.

5. After advancement, subsequent years of study will be required for the graduate student to complete their degree. The duration of this period will depend on the success of the research project as defined by the Doctoral Advisory Committee.

6. Completed coursework will only be counted towards the graduation requirements of this program for six years. It is recommended that students publish at least one research-based manuscript in a peer-reviewed journal prior to graduation.

7. Satisfactory performance on the final examination will consist of the presentation and defense of the dissertation research. The defense will consist of an oral presentation open to the public, a short period of questions from the public, a closed session of questions from the Doctoral Advisory Committee, and a closed deliberation and vote by just the Doctoral Advisory Committee members. Any graduate faculty member may attend the closed session of questions of the defense

11. It is expected that each student be a teaching assistant for a minimum of two courses prior to graduation. It is also expected that each student publish research-based manuscripts in peer-reviewed journals.

Graduation Requirements

See Plan Graduation Requirements below.

Plan Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
2. The student must submit and successfully defend his/her dissertation by the posted deadline. The defense must be advertised and is open to the public.
3. After the dissertation defense, the student must electronically submit a properly formatted pdf copy of their dissertation to the Graduate College for format check. Once the dissertation format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for dissertation defenses, format check submissions, and the final ProQuest submission can be found here.

Doctor of Philosophy - Radiochemistry

Plan Description

The Radiochemistry Ph.D. Program is a student-driven research intensive program stressing fundamental aspects of radiochemistry science. It was established by the Departments of Health Physics and Chemistry and includes participants from the Harry Reid Center, Nuclear Science and Technology Group. The program is administered by the UNLV Graduate College. The Ph.D. program requires 60 credits of research and courses beyond the baccalaureate degree. Credit is required for four courses in nuclear chemistry, radiochemistry, detectors, and laboratory. The remaining courses are based on the area of interest of the student and include laboratory research. Students are obliged to maintain a B average and show progress in their research. The curriculum and research provides a comprehensive and interdisciplinary examination of topics and experiences necessary to produce graduates who are ready to secure employment and participate in radiochemistry research.

For more information about your program, including your graduate program handbook and learning outcomes please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

Admission to the program is granted annually for the fall semester.

Admission requirements include:

1. Completed Graduate College Application including applicable fees.
2. For entrance into the program in Subplan 1: Post-Bachelor's Track the following requirements apply: An earned undergraduate degree from a regionally accredited institution in the field of chemistry, radiochemistry, health physics, engineering or other related field with a minimum GPA of 3.0. Applicants with a GPA below 3.0, but not less than 2.75, may be admitted on a provisional basis. For entrance into the program in Subplan 2: Post-Masters Track, the following requirements apply: An earned master of science degree from a regionally accredited institution in the field of chemistry, radiochemistry, health physics, engineering or other closely related discipline. An evaluation by the radiochemistry faculty of the candidate's scientific knowledge of chemistry, radiochemistry and health physics is required to determine a student's admission status. A minimum GPA of 3.0 in an approved master's program is required. Applicants with a GPA below 3.0, but not less than 2.75, may be admitted on a provisional basis.
3. Three letters of recommendation including one letter

from an individual who can evaluate the applicant's ability to conduct graduate work at the PhD level. A second letter of recommendation must come from someone who has supervised the candidate in a work setting.

4. A current resume.
5. A statement of purpose explaining the applicant's career goals and why the doctorate would enhance the likelihood of achieving those goals. The statement should also explain why the applicant believes that he or she is qualified to conduct academic work at the advance graduate level. Finally, the statement should address the specific area of specialization the student would like to emphasize.
6. A score ranking in the 50th percentile or higher in the verbal and quantitative sections of the Graduate Record Exam (GRE).
7. Students meeting all of the above admission requirements may be asked to meet with the admission committee for a personal interview.
8. All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.

For information on Conditional Admission, please refer to the Graduate Student Handbook section of the Graduate Catalog.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

Subplan 1: Post-Bachelor's Track

Subplan 2: Post-Masters Track

Subplan 1 Requirements: Post-Bachelor's Track

Total Credits Required: 60

Course Requirements

Core Courses – Credits: 12

- RDCH 701 - Applied Nuclear Physics
- RDCH 702 - Radiochemistry
- HPS 602 - Radiation Detection
- HPS 603 - Radiation Physics and Instrumentation Laboratory

Electives – Credits: 30-36

Complete 30-36 credits of advisor-approved electives.

Dissertation – Credits: 12-18

- CHEM 799 - Dissertation

Degree Requirements

1. Students must complete a minimum of 60 credit hours

with a minimum GPA of 3.00.

2. RDCH 702 must be completed before enrolling in RDCH 710.
3. Students enrolled in the Radiochemistry Ph.D. program are required to maintain satisfactory progress toward the degree as determined by the student's academic advisor and advisory committee. To maintain satisfactory progress in the Radiochemistry Ph.D. program, a student must:
 1. Maintain a cumulative grade point average of 3.0 or above each semester enrolled.
 2. Receive a grade of B (3.0) or above in all core Radiochemistry courses. If less than a B is earned in any given course, it may be repeated. The student must be in good standing to repeat a course, and courses may not be repeated more than one time
 3. Schedule and take the oral qualifying exam within 1.5 years of satisfactorily completing the core Radiochemistry courses.
 4. Pass the dissertation prospectus defense within 3 years of entering the Radiochemistry Ph.D. program.
 5. Participate in Radiochemistry seminar. Students are required to participate in the weekly Radiochemistry seminar each semester they are in residence at UNLV. Students may only be exempted from this requirement due to scheduling conflicts, with the prior approval of their academic advisor.
4. Failure to make satisfactory progress as determined by the student's academic advisor and/or advisory committee may include: failure to complete six credits per calendar year toward the degree program; unsatisfactory grades (including Incompletes, grades below a B, or Withdrawals); failure to consult with the academic advisor when requested; failure to establish a graduate advisory committee; failure to establish the groundwork for an acceptable dissertation; failure of oral qualifying examination; failure to pass prospectus defense; or, continuous or willful neglect and/or intentional or continuous disregard for laboratory safety procedures.
5. To advance to candidacy, students are required to pass an oral exam on their research and an outside topic related to radiochemistry.
6. Complete all requirements for the Ph.D. degree within eight years, or six years if entering the program with a master's degree. If these requirements are not met, the program may place the student on academic probation or drop him/her from the Ph.D. program.
7. In consultation with his/her advisor, a student will organize a dissertation committee. The graduate advisory committee is responsible for guiding students through the Radiochemistry Ph.D. program. Upon entering the program, the Radiochemistry Graduate Coordinator will serve as academic advisor to all students until individual advisory committees have been established. The responsibility of establishing an advisory committee falls upon the students. By

the end of the first year in the program, students must select an advisory committee chair who will also serve as the student's academic advisor from that point forward. By the end of the second year in the program, students must select the remaining members of the graduate advisory committee.

8. The graduate advisory committee consists of at least four graduate faculty members as follows:
 1. Advisory Committee Chair - must have full graduate faculty status in Radiochemistry.
 2. Graduate College Representative - must have full graduate faculty status at UNLV in a program outside of Radiochemistry and the host department. Faculty with status in Radiochemistry may not serve as the GC Rep.
 3. Committee Member - must have affiliate, associate or full graduate faculty status in Radiochemistry.
 4. Committee Member - must have affiliate, associate or full graduate faculty status in Radiochemistry.
9. The oral qualifying exam must be taken within 1.5 years of successfully completing the radiochemistry core courses listed above. The exam is designed to test students on the fundamental science underlying radiochemistry, including all content covered in the core courses. In addition, students are tested on their depth of knowledge in their area of research specialization.
 1. The oral qualifying exam is held in closed session and is given by the qualifying examination committee. This committee is made up of a minimum of three members, the advisory committee chair, another member of the UNLV radiochemistry faculty, and an affiliate, associate or full graduate faculty status member in Radiochemistry. All members of the qualifying examination committee must be present during the oral qualifying exam. Additional members of the student's advisory committee may participate on the qualifying examination at the discretion of the academic advisor, but are not required to be present.
 2. For the exam, students are responsible for preparing two presentations which are presented to the qualifying examination committee. The first presentation is an overview of the student's proposed research, including relevant literature, a proposed research plan and summary/results of current research. This presentation may serve as the basis for the Prospectus Defense as well. The second presentation summarizes a recent published scientific article on a topic not directly related to the candidate's proposed dissertation research. The article must be approved by the student's advisor prior to the exam.
 3. Students who do not pass the exam may repeat the exam one time within 6 months, but no sooner than 3 months from the first attempt. Students who do not pass the oral qualifying exam on the second attempt will be severed from the program.
 4. Students must schedule and take the oral qualifying exam within 1.5 years of satisfactorily completing the core Radiochemistry courses.
10. Students are required to participate in the weekly

Radiochemistry seminar each semester they are in residence at UNLV. Students may only be exempted from this requirement due to scheduling conflicts, with the prior approval of their academic advisor.

11. Students must prepare and successfully defend their dissertation prospectus prior to the completion of their sixth semester. The prospectus will cover a review of the relevant literature, a statement of the problem or hypothesis to be examined and a research plan for the project. The prospectus will be defended to the student's advisory committee and will be open to the general research community. All members of the student's advisory committee must be present at the student's prospectus defense.
12. Students are expected to write a dissertation demonstrating both knowledge of a specific topic and the ability to conduct high quality original research. The dissertation must be accepted by the student's advisory committee prior to the completion of the degree program. Upon completion of the dissertation, the dissertation must be defended to the student's advisory committee in a public dissertation defense.
13. To advance to candidacy, students are required to pass the oral qualifying exam and successfully defend their dissertation prospectus. Upon successful completion of the prospectus defense, students shall be promoted to Ph.D. candidate the term following the defense.
14. The dissertation must be written in collaboration with the student's academic advisor and advisory committee. The dissertation must be accepted by the student's advisory committee prior to the completion of the degree program. Students must enroll in six credits of dissertation work each semester they are working on the dissertation and the minimum number of dissertation credits required for graduation is twelve.

Subplan 2 Requirements: Post Master's Track

Total Credits Required: 30

Course Requirements

Core Courses – Credits: 12

- RDCH 701 - Applied Nuclear Physics
- RDCH 702 - Radiochemistry
- HPS 602 - Radiation Detection
- HPS 603 - Radiation Physics and Instrumentation Laboratory

Dissertation – Credits: 18

- CHEM 799 - Dissertation

Degree Requirements

1. Doctoral students entering the Ph.D. program with an approved M.S. degree in Chemistry or a closely related discipline, are required to complete 30 credit

hours in the Ph.D. program at UNLV comprised of courses at the 700-level or other courses as directed by the student's advisory committee. Students must maintain a minimum GPA of 3.00.

2. RDCH 702 must be completed before enrolling in RDCH 710.
3. Students enrolled in the Radiochemistry Ph.D. program are required to maintain satisfactory progress toward the degree as determined by the student's academic advisor and advisory committee. To maintain satisfactory progress in the Radiochemistry Ph.D. program, a student must:
 1. Maintain a cumulative grade point average of 3.0 or above each semester enrolled.
 2. Receive a grade of B (3.0) or above in all core Radiochemistry courses. If less than a B is earned in any given course, it may be repeated. The student must be in good standing to repeat a course, and courses may not be repeated more than one time.
 3. Schedule and take the oral qualifying exam within 1.5 years of satisfactorily completing the core Radiochemistry courses.
 4. Pass the dissertation prospectus defense within 3 years of entering the Radiochemistry Ph.D. program.
 5. Participate in Radiochemistry seminar. Students are required to participate in the weekly Radiochemistry seminar each semester they are in residence at UNLV. Students may only be exempted from this requirement due to scheduling conflicts, with the prior approval of their academic advisor.
4. Failure to make satisfactory progress as determined by the student's academic advisor and/or advisory committee may include: failure to complete six credits per calendar year toward the degree program; unsatisfactory grades (including Incompletes, grades below a B, or Withdrawals); failure to consult with the academic advisor when requested; failure to establish a graduate advisory committee; failure to establish the groundwork for an acceptable dissertation; failure of oral qualifying examination; failure to pass prospectus defense; or, continuous or willful neglect and/or intentional or continuous disregard for laboratory safety procedures.
5. To advance to candidacy, students are required to pass an oral exam on their research and an outside topic related to radiochemistry.
6. Complete all requirements for the Ph.D. degree within eight years, or six years if entering the program with a master's degree. If these requirements are not met, the program may place the student on academic probation or drop him/her from the Ph.D. program.
7. In consultation with his/her advisor, a student will

organize a dissertation committee. The graduate advisory committee is responsible for guiding students through the Radiochemistry Ph.D. program. Upon entering the program, the Radiochemistry Graduate Coordinator will serve as academic advisor to all students until individual advisory committees have been established. The responsibility of establishing an advisory committee falls upon the students. By the end of the first year in the program, students must select an advisory committee chair who will also serve as the student's academic advisor from that point forward. By the end of the second year in the program, students must select the remaining members of the graduate advisory committee.

8. The graduate advisory committee consists of at least four graduate faculty members as follows:

1. Advisory Committee Chair - must have full graduate faculty status in Radiochemistry.

2. Graduate College Representative - must have full graduate faculty status at UNLV in a program outside of Radiochemistry and the host department. Faculty with status in Radiochemistry may not serve as the GC Rep.

3. Committee Member - must have affiliate, associate or full graduate faculty status in Radiochemistry.

4. Committee Member - must have affiliate, associate or full graduate faculty status in Radiochemistry.

9. The oral qualifying exam must be taken within 1.5 years of successfully completing the radiochemistry core courses listed above. The exam is designed to test students on the fundamental science underlying radiochemistry, including all content covered in the core courses. In addition, students are tested on their depth of knowledge in their area of research specialization.

1. The oral qualifying exam is held in closed session and is given by the qualifying examination committee. This committee is made up of a minimum of three members, the advisory committee chair, another member of the UNLV radiochemistry faculty, and an affiliate, associate or full graduate faculty status member in Radiochemistry. All members of the qualifying examination committee must be present during the oral qualifying exam. Additional members of the student's advisory committee may participate on the qualifying examination at the discretion of the academic advisor, but are not required to be present.

2. For the exam, students are responsible for preparing two presentations which are presented to the qualifying examination committee. The first presentation is an overview of the student's proposed research, including relevant literature, a proposed research plan and summary/results of current research. This presentation may serve as the basis for the Prospectus Defense as well. The second

presentation summarizes a recent published scientific article on a topic not directly related to the candidate's proposed dissertation research. The article must be approved by the student's advisor prior to the exam.

3. Students who do not pass the exam may repeat the exam one time within 6 months, but no sooner than 3 months from the first attempt. Students who do not pass the oral qualifying exam on the second attempt will be severed from the program.

4. Students must schedule and take the oral qualifying exam within 1.5 years of satisfactorily completing the core Radiochemistry courses.

10. Students are required to participate in the weekly Radiochemistry seminar each semester they are in residence at UNLV. Students may only be exempted from this requirement due to scheduling conflicts, with the prior approval of their academic advisor.

11. Students must prepare and successfully defend their dissertation prospectus prior to the completion of their sixth semester. The prospectus will cover a review of the relevant literature, a statement of the problem or hypothesis to be examined and a research plan for the project. The prospectus will be defended to the student's advisory committee and will be open to the general research community. All members of the student's advisory committee must be present at the student's prospectus defense.

12. Students are expected to write a dissertation demonstrating both knowledge of a specific topic and the ability to conduct high quality original research. The dissertation must be accepted by the student's advisory committee prior to the completion of the degree program. Upon completion of the dissertation, the dissertation must be defended to the student's advisory committee in a public dissertation defense.

13. To advance to candidacy, students are required to pass the oral qualifying exam and successfully defend their dissertation prospectus. Upon successful completion of the prospectus defense, students shall be promoted to Ph.D. candidate the term following the defense.

14. The dissertation must be written in collaboration with the student's academic advisor and advisory committee. The dissertation must be accepted by the student's advisory committee prior to the completion of the degree program. Students must enroll in six credits of dissertation work each semester they are working on the dissertation and the minimum number of dissertation credits required for graduation is twelve.

Plan Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.

- The student must submit and successfully defend his/her dissertation by the posted deadline. The defense must be advertised and is open to the public.
- After the dissertation defense, the student must electronically submit a properly formatted pdf copy of their dissertation to the Graduate College for format check. Once the dissertation format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for dissertation defenses, format check submissions, and the final ProQuest submission can be found here.

Chemistry and Biochemistry Courses

CHEM 602 - Scientific Software for the Microcomputer Credits 1

Use of computer software for graphing, statistics, structure drawing, information retrieval, word processing, and self-paced learning. Notes: This course is crosslisted with CHEM 402. Credit at the 600-level requires additional work.

CHEM 621 - Physical Chemistry Credits 3

Thermodynamics, solution behavior, and equilibrium. Notes: This course is crosslisted with CHEM 421. Credit at the 600-level requires additional work.

CHEM 622 - Physical Chemistry II Credits 3

Introductory quantum mechanics, atomic and molecular structure, chemical bonding, and molecular spectroscopy. Notes: This course is crosslisted with CHEM 422. Credit at the 600-level requires additional work.

CHEM 628 - Quantum Chemistry Credits 3

Introduction to quantum mechanics and molecular orbital theory as related to bonding, spectra, and reactivity. Includes an introduction to computerized electronic structure calculations. Notes: This course is crosslisted with CHEM 428. Credit at the 600-level requires additional work.

CHEM 631 - Advanced Inorganic Chemistry Credits 3

Atomic structure, application of symmetry and molecular orbital theory to bonding, solid-state chemistry, characterization tools, acid-base behavior in non-aqueous systems, transition metal chemistry.

CHEM 649 - Polymer Chemistry Credits 3

Synthesis, characterization, morphology, bulk and solution properties of polymers; polymerization mechanisms. Notes: This course is crosslisted with CHEM 449. Credit at the 600-level requires additional work. Prerequisites: Graduate standing.

CHEM 655 - Instrumental Analysis Credits 4

Fundamental laws and principles of instrumental determinations, including spectroscopy, spectrophotometry, electrochemical methods, and thermal analysis as main areas of study. Notes: This course is crosslisted with CHEM 455. Credit at the 600-level requires additional work.

CHEM 672 - Biochemistry Laboratory Credits 2

Introduction to analytical techniques of biochemistry as tools to study cellular components. Techniques may include centrifugation, spectrophotometry, chromatography, and electrophoresis. Notes: This course is crosslisted with CHEM 472. Credit at the 600 level requires additional work. This course offered by another department may also be taken for graduate credit.

CHEM 676 - Advanced Topics in Biochemistry Credits 3

In depth study of selected advanced topics in biochemistry, cancer biochemistry or other medically-related topics in biochemistry. Notes: May be repeated (different topic) once for a total of 6 credits to be applied toward graduate degree program.

This course is crosslisted with CHEM 476. Credit at the 600-level requires additional work. Prerequisites: CHEM 475, graduate standing or permission of instructor.

CHEM 691 - Graduate Seminar in Chemistry Credits 1

Attendance and participation in seminar presentations and discussions of specialized topics. Includes student presentations. Students required to enroll for a minimum of two semesters and present a minimum of two presentations. Notes: May be repeated to a maximum of six credits. Grading S/F grading.

CHEM 710 - Environmental Aquatic Chemistry Credits 3

Study of the chemistry of natural waters, emphasizing chemical speciation and the interaction of aqueous media with soil and air. Considerable attention given to the use and limitations of thermodynamic equilibrium models of chemical speciation. Prerequisites: Graduate standing or consent of instructor.

CHEM 715 - Environmental Organic Chemistry Credits 3

Organic chemistry of natural waters, soils and the atmosphere, emphasizing chemical reactions, sorption, bio-concentration and fate and transport. Use and limitation of thermodynamic and kinetic models and the extrapolation of laboratory data to environmental conditions. Prerequisites: Graduate standing in chemistry or consent of instructor.

CHEM 725 - Advanced Organic Chemistry Credits 3

Advanced study of structures and reactions of organic compounds. Reactive intermediates, reaction mechanism, stereochemistry, and synthesis examined. Prerequisites: CHEM 242 and 421.

CHEM 726 - Organic Synthesis Credits 3

Study of the synthesis of complex organic molecules. Stereochemistry, use of organometallic reagents and chiral auxiliaries stressed, with considerable emphasis on current literature. Prerequisites: CHEM 242, 421

CHEM 735 - Advanced Physical Chemistry Credits 3

Statistical and quantum mechanics and their use in calculating thermodynamic properties. Prerequisites: CHEM 421 and 428

CHEM 745 - Instrumental Analysis-Inorganic Credits 3

Theory of modern analytical instrumentation as it pertains to inorganic analysis. Notes: May include atomic emission and absorption, x-ray, radioactivity and mass spectroscopic methods.

CHEM 749 - Polymer Chemistry Credits 3

Polymer structure; classification of polymerization reactions, step-growth and chain-growth polymerization reactions; condensation, radical, cationic, and anionic polymerization reactions; physical properties and characterization of polymers. Prerequisites: Consent of instructor

CHEM 750 - Quality Assurance and Statistics Credits 3

Purpose, theory, and applications of quality assurance/quality control. Experimental design including development of sampling protocols. Statistics relating to the evaluation of data quality covered. Notes: Not a theoretical statistics course. Prerequisites: STA 161 and CHEM 455.

CHEM 770 - Protein Chemistry Credits 3

Protein structure and function. Enzymology (kinetics, regulation). Survey of techniques used in protein purification and analysis. Prerequisites: CHEM 475 or equivalent.

CHEM 771 - Metabolism and Energetics Credits 3

Biochemical pathways of carbohydrate, lipid, nucleic acid and amino acid metabolism and the mechanism of mitochondrial ATP synthesis. Prerequisites: CHEM 475

CHEM 772 - Nucleic Acid Chemistry Credits 3

Chemistry and function of nucleic acids (DNA, RNA) and their analogs. Prerequisites: CHEM 475 or equivalent.

CHEM 773 - Physical Biochemistry Credits 3

Theory and practice of physical chemistry as applied to the structure, properties, and interactions of biochemical macromolecules. Includes thermodynamics, various types of spectroscopy, electrophoresis, ligand binding, and hydrodynamic methods (covering the theoretical aspects of diffusion, sedimentation, and viscosity). Prerequisites: CHEM 475

CHEM 775 - Bioanalytical Environmental Toxicology Credits 3

Principles of toxicology. Study of the interaction of toxicants with biochemical pathways. Emphasis on toxic chemicals of environmental interest. Prerequisites: CHEM 475

CHEM 783 - Spectral Interpretation Credits 3

Spectroscopic data obtained from the techniques of nuclear magnetic resonance (NMR), mass spectrometry (MS), infrared (IR) and ultraviolet-visible (UV-VIS) spectrophotometry used to establish structural features of organic molecules. Emphasizes strategies, interpretation, modern techniques, and problem solving. Prerequisites: Consent of instructor.

CHEM 790 - Directed Readings Credits 1

Directed readings in the primary literature supportive of the dissertation prospectus. Notes: May be repeated, but only three credits are applied to the academic program. Prerequisites: Enrollment in the Chemistry or Radiochemistry doctoral program.

CHEM 791 - Graduate Seminar Credits 1

Attendance and participation in seminar presentations. Includes student presentations. For master's students, enrollment is required. Two presentations are required. Notes: May be repeated for a maximum of five credits. Grading S/F grading. Prerequisites: Graduate standing in Chemistry or Radiochemistry.

CHEM 792 - Research Seminar Credits 3

Public defense of a graduate research project in the Ph.D. Program. Prerequisites: Graduate standing in Chemistry or Radiochemistry.

CHEM 793 - Special Topics Credits 3

Study of a topic of interest from any field of chemistry (for example, analytical chemistry, biochemistry, etc.), at an advanced level. Topic varies each semester. Topic chosen will be published in the class schedule. Notes: May be repeated for credit if classes are in different topics. Prerequisites: Graduate standing in Chemistry or Biochemistry or Radiochemistry.

CHEM 795 - Independent Study Credits 1 – 3

Individual directed study of a topic not covered in other courses. Notes: May be repeated once for credit. May be repeated to a maximum of 12 credits. Prerequisites: Graduate standing in chemistry and consent of instructor.

CHEM 796 - Dissertation Prospectus Credits 1

Development of a prospectus and its defense before the Ph.D. examination committee. Prerequisites: Enrollment in the Chemistry or Radiochemistry doctoral program.

CHEM 797 - Directed Research Credits 1 – 6

Supervised research in the doctoral program. Notes: May be repeated for a maximum of 18 credits. Prerequisites: Enrollment in the Chemistry or Radiochemistry doctoral program.

CHEM 798 - Thesis Credits 3 – 6

Notes: May be repeated, but only nine credits applied to the student's program. Grading S/F grading only. Prerequisites: CHEM 745 or CHEM 746 and consent of instructor.

CHEM 799 - Dissertation Credits 3 – 6

Research, analysis, and writing toward completion of dissertation and subsequent defense. Notes: May be repeated but a minimum of eighteen credits and a maximum of twenty four credits will be applied toward fulfillment of degree requirements. Grading S/F grading only. Prerequisites: Graduate standing in Chemistry or Radiochemistry and consent of instructor.

RDCH 701 - Applied Nuclear Physics Credits 3

Introduces nuclear properties in radiation and radiochemistry. Concepts of the nuclei, radioactive decay, and nuclear reactions examined. Use of quantum mechanics in development of nuclear models and equations. Physics involved in interaction of radiation with matter. Prerequisites: General physics, graduate standing in Radiochemistry program.

RDCH 702 - Radiochemistry Credits 3

Introduces chemical properties in radiation and radiochemistry. Use of stability constants and relationship between speciation, kinetics and thermodynamics. Influence of radiolysis on chemistry of radioisotopes. Radioisotope production and use. Radiochemical separations. Prerequisites: Inorganic chemistry, physical chemistry, graduate standing in Radiochemistry program.

RDCH 710 - Actinide Chemistry Credits 3

Basis for unique chemistry of actinide elements described and related to oxidation-reduction, complexation, orbital interaction, and spectroscopy. Using nuclear properties in understanding actinide chemistry covered. Presentations on exploiting chemical behavior of actinides in separation, nuclear fuel cycle, environmental behavior, and materials. Prerequisites: RDCH 702, graduate standing in Radiochemistry program.

RDCH 750 - Radiochemistry Laboratory Research Credits 3

Experimental laboratory research conducted by the student under supervision. The student supplies research topic and provides suitable literature and background information. Research plan developed in conjunction with instructor. The student obtains experience in performing radiochemical laboratory research. Prerequisites: Undergraduate chemistry laboratory experience, graduate standing in the Radiochemistry program.

Geoscience

The Department of Geoscience is an active and enthusiastic department consisting of twenty-two full-time faculty, approximately sixty graduate students and two hundred undergraduate majors. The department offers a program of courses, seminars and research opportunities leading to master of science and doctor of philosophy degrees in geoscience. The interests of the faculty and students cover a wide range of topics. Active research by faculty and students is ongoing throughout the western United States, as well as in, Canada, Chile, China, Costa Rica, Indonesia, France, Guatemala, Mexico, New Zealand, Panama, Poland, Russia, South Africa, Spain, and Switzerland. The geoscience curriculum is designed to develop student skills applicable to employment opportunities in a wide array of disciplines in the geoscience sector.

The department encourages interdisciplinary research. Opportunities for geological and interdisciplinary research may be pursued with organizations near, or on, campus that cooperate with the department including: the Division of Hydrologic Sciences of the Desert Research Institute (DRI), a division of the Nevada System of Higher Education; the Environmental Monitoring and Support Laboratory of the Environmental Protection Agency (EPA); the Department of Energy; and other university departments and schools such as life sciences, chemistry, physics, and engineering.

Students are encouraged to read the general Graduate College rules and regulations elsewhere in this catalog and to read the Department of Geoscience graduate student guidelines, which are available on the department's website. An understanding of these documents is essential for satisfactory progress toward the degree.

Matthew S. Lachniet, Ph.D., Chair
Ganqing Jiang, Ph.D., Graduate Coordinator

Geoscience Faculty

Chair

Lachniet, Matthew S. - *Full Graduate Faculty*
Professor; B.S., Antioch College; M.S., Michigan State University; Ph.D., Syracuse University. Rebel since 2003.

Graduate Coordinator

Jiang, Ganqing - *Full Graduate Faculty*
Professor; B.A., Xiangtan Mining College; M.Sc., China University of Geosciences; Ph.D., Columbia University. Rebel since 2004.

Graduate Faculty

Adcock, Christopher - *Associate Graduate Faculty*
Assistant Research Professor; B.S., University of New Mexico; M.S., Oklahoma State University; Ph.D., University of Nevada Las Vegas. Rebel since 2015.

Buck, Brenda - *Full Graduate Faculty*
Professor; B.S., University of Notre Dame; M.S., Ph.D., New Mexico State University. Rebel since 1998.

Burnley, Pamela C. - *Full Graduate Faculty*
Professor; B.S., Brown University; M.S., Ph.D., University of California Davis. Rebel since 2008.

Capaldi, Tomas - *Full Graduate Faculty*
Assistant Professor; B.S., University of California Los Angeles; M.S., Ph.D., University of Texas at Austin. Rebel since 2020.

Coulthard, Bethany - *Full Graduate Faculty*
Assistant Professor; B.S., Mount Allison University, Canada; M.S., Ph.D., University of Victoria, Canada. Rebel since 2019.

Hanson, Andrew - *Full Graduate Faculty*
Associate Professor; B.S., Montana State University; M.S., San Diego State University; Ph.D., Stanford University. Rebel since 2000.

Hausrath, Elisabeth - *Full Graduate Faculty*
Associate Professor; B.S., Brown University; Ph.D., Pennsylvania State University. Rebel since 2009.

Huang, Shichun - *Full Graduate Faculty*
Associate Professor; B.S., University of Science and Technology of China; Ph.D., Massachusetts Institute of Technology. Rebel since 2014.

Jowitt, Simon - *Full Graduate Faculty*
Assistant Professor; B.S. University of Edinburgh; M.S., University of Exeter; Ph.D., University of Leicester. Rebel since 2016.

Judkins, Gabriel - *Associate Graduate Faculty*
Associate Professor in Residence; B.S., State University of New York Geneseo; M.S., Ph.D., Arizona State University. Rebel since 2009.

Koonce, Jeremy - *Associate Graduate Faculty*
Assistant Professor in Residence; B.S., University of California Santa Barbara; M.S., Ph.D., University of Nevada Las Vegas. Rebel since 2019.

Kreamer, David K. - *Full Graduate Faculty*
Professor; B.S., M.S., Ph.D., University of Arizona. Rebel since 1990.

Nicholl, Michael J. - *Full Graduate Faculty*
Associate Professor; B.S., Eastern Michigan University; M.S., Ph.D., University of Nevada, Reno. Rebel since 2004.

Ren, Minghua - *Full Graduate Faculty*
Assistant Research Professor; B.S., Nanjing University; M.S., Ph.D. Baylor University. Rebel since 2011.

Taylor, Wanda J. - *Full Graduate Faculty*
Professor; B.S., University of Minnesota; M.S., Syracuse University; Ph.D., University of Utah. Rebel since 1991.

Tschauner, Oliver - *Full Graduate Faculty*
Research Professor; B.S., M.S., Ph.D. (Dr. rer. nat.), University of Cologne. Rebel since 2008.

Udry, Arya - *Full Graduate Faculty*
Associate Professor; B.S., M.S., Universite de Lausanne (Switzerland); Ph.D., University of Tennessee. Rebel since 2014.

Wells, Michael L. - *Full Graduate Faculty*
Professor; B.S., University of California, Santa Cruz; M.S., Ph.D., Cornell University. Rebel since 1993.

Professors Emeriti

Bachhuber, Frederick W.
Emeritus Professor; B.S., M.S., University of Wisconsin; Ph.D., University of New Mexico. UNLV Emeritus 1974-2002.

Cline, Jean S. - Full Graduate Faculty Emeritus Professor; B.S., Wisconsin State University; M.S., University of Arizona; Ph.D., Virginia Polytechnic Institute and State University. UNLV Emeritus 1990-2014.

Rees, Margaret N. (Peg) - Full Graduate Faculty Emeritus Professor; B.S., Sonoma State University; M.S., Ph.D., University of Kansas; UNLV Emeritus 1985-2018.

Rowland, Stephen M. - Full Graduate Faculty Professor; A.B., University of California, Berkeley; Ph.D., University of California, Santa Cruz. UNLV Emeritus 1979-2020.

Smith, Eugene I. - Full Graduate Faculty Emeritus Professor; B.S., Wayne State University; M.S., Ph.D., University of New Mexico. UNLV Emeritus 1980-2013.

Plans

Master of Science - Geoscience

Doctor of Philosophy – Geoscience

Master of Science - Geoscience

Plan Description

The Master of Science – Geoscience degree is designed to prepare students for a broad range of challenging careers in government service, private consulting, and industry. This thesis-based degree program also serves as a stepping-stone for those students who wish to pursue further graduate studies at the Doctoral level. Working closely with their advisor, students focus on original research in one of several areas of specialization, including: petrology, volcanology, economic geology, structural geology, sedimentary geology, geochemistry, hydrology, soil science, climate change, petroleum geology, and paleontology. Students are expected to develop original research suitable for submission to a refereed scientific journal. Students are expected to have strong content knowledge in their area of emphasis, which is tested during the culminating defense of their thesis research.

For more information about your program including your graduate program handbook and learning outcomes please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.

Geoscience

The Geoscience MS degree includes the fields of economic geology, environmental geology, geochemistry, geochronology, geomorphology, igneous petrology,

paleontology, metamorphic petrology, Quaternary geology, pedology, sedimentology, stratigraphy, structural geology, surficial processes, tectonics, and volcanology. Applicants must satisfy the following requirements:

1. A bachelor's degree in geology or an appropriate but closely-related equivalent.
2. In order to be admitted without contingencies the student must have completed an introductory geology class and six of the following eight classes (or their equivalents): mineralogy, geochemistry, geomorphology, structural geology, igneous and metamorphic petrology, paleontology, field geology, and sedimentology/stratigraphy.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements: Geoscience

Total Credits Required: 30

Course Requirements

Required Courses – Credits: 4

- GEOL 701 - Research Methods in Geoscience
- GEOL 795 - Poster Presentation and Time Management

Elective Courses – Credits: 20

Complete 20 credits of 600- or 700-level GEOL courses, or other advisor-approved courses.

Thesis – Credits: 6

- GEOL 797 - Thesis

Plan Degree Requirements

1. Students must complete a minimum of 30 credit hours with a minimum GPA of 3.00.
2. At least 12 credits (excluding thesis) must be in 700-level courses.
3. GEOL 701 and GEOL 795 must be taken during the first year of enrollment.
4. Credits taken at other institutions will be considered for transfer; however, at least 16 of the 24 course credits required for the degree (not including thesis credits) must be taken at UNLV.
5. Students must confer with their appointed advisor prior to enrollment in their first semester. Using Degree Audit as a guide, a degree program must be approved by the advisory committee. A thesis prospectus must be filed with the Graduate College, and a thesis committee must be appointed by the end of the second semester after admission to the college. This responsibility rests with the student. Students will be dropped from the program and separated from the Graduate College if they fail to fulfill this requirement.

6. In consultation with his/her advisor, a student will organize a thesis committee of at least three departmental members. In addition, a fourth member from outside the department, known as the Graduate College Representative, must be appointed. An additional committee member may be added at the student and department's discretion. Please see Graduate College policy for committee appointment guidelines.
7. Satisfactory progress toward meeting the degree requirements is required of all students. Satisfactory progress includes maintaining at least a 3.00 grade point average in all graduate-level courses. Two grades of B- are permitted in the degree program as long as the GPA remains at or above 3.00. One grade of C+ or lower results in academic probation even if the overall GPA is above 3.0. Two grades of C+ or lower will result in automatic suspension from the program.

Consult the Geoscience Graduate Student Guidelines at <http://geoscience.unlv.edu/graduatestudentguidelines.htm> for full details.

Plan Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
2. The student must submit and successfully defend his/her thesis by the posted deadline. The defense must be advertised and is open to the public.
3. After the thesis defense, the student must electronically submit a properly formatted pdf copy of their thesis to the Graduate College for format check. Once the thesis format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for thesis defenses, format check submissions, and the final ProQuest submission can be found here.

Doctor of Philosophy - Geoscience

Plan Description

The Doctor of Philosophy – Geoscience degree is designed to prepare students for demanding research-oriented careers in academia, government service, private consulting, and industry. Working closely with their advisors, students focus on original research in an emphasis area. Research expectations are high; students are expected to develop original lines of research that will lead to three or more original manuscripts that are suitable for submission to a refereed scientific journal. Students are expected to have strong content knowledge in their area of emphasis and three additional sub-disciplines of the geological sciences. Fundamental knowledge levels are tested first in a diagnostic interview that is used to guide coursework taken by the student, and then later in

a comprehensive exam.

For more information about your program, including your graduate program handbook and learning outcomes, please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.

The emphasis in Geology includes the fields of economic geology, environmental geology, geochemistry, geochronology, geomorphology, igneous petrology, paleontology, metamorphic petrology, Quaternary geology, paleoclimatology, pedology, sedimentology, stratigraphy, structural geology, surficial processes, tectonics, and volcanology. Applicants must satisfy the following requirements:

1. For the Post-Bachelor's Track: A bachelor's degree in geology or equivalent.
2. For the Post-Master's Track: A Master of Science degree in geology or equivalent.
3. It is recommended that the student have completed the following courses for unconditional admission to the program. An introductory geology class and six of the following eight classes (or their equivalents): mineralogy, geochemistry, geomorphology, structural geology, igneous and metamorphic petrology, paleontology, field geology, and sedimentology/stratigraphy.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

See Subplan Requirements below.

Subplan 1 Requirements: Post-Bachelor's - Geoscience Track

Total Credits Required: 60

Course Requirements

Required Course – Credits: 3

- GEOL 701 - Research Methods in Geoscience

Elective Courses – Credits: 45

Complete 45 credits of 600- or 700-level GEOL courses, or other advisor-approved courses.

Dissertation – Credits: 12

- GEOL 799 - Dissertation

Degree Requirements

1. Students must complete a minimum of 60 credit hours with a minimum GPA of 3.00.
2. A minimum of 24 of the 60 credits required must be at the 700-level.
3. Although more course work and dissertation credits may be taken, only 12 credits of Dissertation, and 48 course credits will be counted toward the degree program.
4. Doctoral students are encouraged to take courses from outside of geoscience; however, a minimum of 15 credits must be geoscience (GEOL) courses.
5. A maximum of three credits of Independent Study are permitted, except in special circumstances in which case permission from the doctoral advising committee, the department Graduate Coordinator and the department chair is required.
6. Satisfactory progress toward meeting the degree requirements is required of all candidates. Satisfactory progress is defined as, at a minimum:
 1. Maintenance of at least a 3.00 grade point average in all graduate-level courses. Two grades of B- are permitted in the degree program as long as the GPA remains at or above 3.00. One grade of C+ or lower results in academic probation even if the overall GPA is above 3.0. Two grades of C+ or lower will result in automatic suspension from the program.
 2. Selecting a dissertation advisor and committee. The advisor must be selected before the end of the first semester and the committee before the end of the second semester.
 3. ... Scheduling of an interview with the advisor either during or before the first semester. If an advisor is not selected, a temporary advisor will be assigned by the graduate coordinator. The purpose of the interview is to develop a plan of course work for the first year.
 4. In consultation with his/her advisor, a student will organize a thesis committee of at least three departmental members. In addition, a fourth member from outside the department, known as the Graduate College Representative, must be appointed. An additional committee member may be added at the student and department's discretion. Please see Graduate College policy for committee appointment guidelines.
 5. Scheduling of a diagnostic interview with the Advisory Committee before the end of the 2nd semester. The purpose of the interview is to develop a list of recommended courses and design the student's degree program, which must be submitted prior to completing 16 credits of course work toward the degree.

6. Preparation of a dissertation proposal and satisfactory performance on a Proposal Defense Examination. This examination must be completed prior to the end of the third semester. The Proposal Defense Examination focuses on the dissertation proposal and the student's ability to perform the research. It includes a formal oral presentation of the student's dissertation proposal, research to date, and questions by the dissertation advisory committee on the dissertation topic. The Proposal Defense Examination is to be taken prior to the Comprehensive Examination.

7. Satisfactory performance on the Comprehensive Examination. Ph.D. students must have a basic knowledge of Physical Geology in addition to a comprehensive knowledge of three fields of geosciences (see Department of Geoscience Graduate Student Guidelines for recommended fields for each Ph.D. Emphasis). The format and content of the exam will be determined by the student's doctoral advisory committee with approval of the department graduate coordinator. The Comprehensive Examination will be taken either the semester after all course work is completed or before the end of the fourth semester, whichever comes first. The Comprehensive Examination can be taken either entirely as an oral examination or with both oral and written components. The decision of which of these options to take is decided by unanimous agreement by the student's doctoral advising committee. In the case of non-unanimous agreement, both the oral and written components will be given.

8. Preparation of a dissertation proposal and satisfactory performance on a Proposal Defense Examination. This examination must be completed prior to the end of the fifth semester. The Proposal Defense Examination focuses on the dissertation proposal and the student's ability to perform the research. It includes a formal oral presentation of the student's dissertation proposal, research to date, and questions by the dissertation advisory committee on the dissertation topic. The Proposal Defense Examination is to be taken after the Comprehensive Examination.

9. Students who fail to pass the Comprehensive Examination or Proposal Defense on the first attempt must successfully complete a second examination (as specified by the doctoral advisory committee) within the next six months to remain in the program. Students who entered the program with a baccalaureate degree and who fail the second examination may be allowed to continue as a Master of Science student with the consent of the doctoral advising committee. Students who entered the program with a master's degree who fail the examination a second time will be separated from the program. A student who has successfully passed both the Proposal Defense and Comprehensive Examinations will be admitted to candidacy for the Ph.D. degree.

10. Satisfactory performance on a final examination will consist of the presentation and defense of the dissertation research. The defense will consist of an oral presentation open to the public, a short period of questions from the public, a closed session of questions from the doctoral advising committee, and a closed deliberation and vote by just the advisory committee members. Any graduate faculty member may attend the closed session of questions of the defense.

7. Using Degree Audit as a guide, a degree program must be approved by the advisory committee prior to the beginning of the third semester of enrollment.
8. It is recommended that the student be a teaching assistant or instructor for at least one semester.
9. Students may request a maximum of 15 graduate credits taken at UNLV prior to admission be included in the graduate degree program, providing those credits were not used to fulfill undergraduate requirements and a grade of B (3.00) or higher was achieved.

Graduation Requirements

See Plan Graduation Requirements below.

Subplan 2 Requirements: Post-Master's - Geoscience Track

Total Credits Required: 36

Course Requirements

Required Course – Credits: 3

- GEOL 701 - Research Methods in Geoscience

Elective Courses – Credits: 21

Complete 21 credits of 600- or 700-level GEOL courses, or other advisor-approved courses.

Dissertation – Credits: 12

- GEOL 799 - Dissertation

Degree Requirements

1. Students must complete a minimum of 36 credit hours with a minimum GPA of 3.00.
2. A minimum of 12 of the 36 credits required must be at the 700-level.
3. Although more course work and dissertation credits may be taken, only 12 credits of Dissertation, and 24 course credits will be counted toward the degree program.
4. Doctoral students are encouraged to take courses from outside of geoscience; however, a minimum of 15 credits must be geoscience (GEOL) courses.
5. A maximum of three credits of Independent Study are permitted, except in special circumstances in which case permission from the doctoral advising committee, the department Graduate Coordinator

and the department chair is required.

6. Satisfactory progress toward meeting the degree requirements is required of all candidates. Satisfactory progress is defined as, at a minimum:

1. Maintenance of at least a 3.00 grade point average in all graduate-level courses. Two grades of B- are permitted in the degree program as long as the GPA remains at or above 3.00. One grade of C+ or lower results in academic probation even if the overall GPA is above 3.0. Two grades of C+ or lower will result in automatic suspension from the program.

2. Selecting a dissertation advisor and committee. The advisor must be selected before the end of the first semester and the committee before the end of the second semester.

3. Scheduling of an interview with the advisor either during or before the first semester. If an advisor is not selected, a temporary advisor will be assigned by the graduate coordinator. The purpose of the interview is to develop a plan of course work for the first year.

4. In consultation with his/her advisor, a student will organize a thesis committee of at least three departmental members. In addition, a fourth member from outside the department, known as the Graduate College Representative, must be appointed. An additional committee member may be added at the student and department's discretion. Please see Graduate College policy for committee appointment guidelines.

5. Scheduling of a diagnostic interview with the Advisory Committee before the end of the 2nd semester. The purpose of the interview is to develop a list of recommended courses and design the student's degree program, which must be submitted prior to completing 16 credits of course work toward the degree.

6. Satisfactory performance on the Comprehensive Examination. Ph.D. students must have a basic knowledge of Physical Geology in addition to a comprehensive knowledge of three fields of geosciences (see Department of Geoscience Graduate Student Guidelines for recommended fields for each Ph.D. Emphasis). The format and content of the exam will be determined by the student's doctoral advising committee with approval of the department graduate coordinator. The Comprehensive Examination will be taken either the semester after all course work is completed or before the end of the fourth semester, whichever comes first. The Comprehensive Examination can be taken either entirely as an oral examination or with both oral and written components. The decision of which of these options to take is decided by unanimous agreement by the student's doctoral advising

committee. In the case of non-unanimous agreement, both the oral and written components will be given.

7. Preparation of a dissertation proposal and satisfactory performance on a Proposal Defense Examination. This examination must be completed prior to the end of the third semester. The Proposal Defense Examination focuses on the dissertation proposal and the student's ability to perform the research. It includes a formal oral presentation of the student's dissertation proposal, research to date, and questions by the dissertation advisory committee on the dissertation topic. The Proposal Defense Examination is to be taken after to the Comprehensive Examination.

8. Students who fail to pass the Comprehensive Examination or Proposal Defense on the first attempt must successfully complete a second examination (as specified by the doctoral advisory committee) within the next six months to remain in the program. Students who entered the program with a baccalaureate degree and who fail the second examination may be allowed to continue as a Master of Science student with the consent of the doctoral advising committee. Students who entered the program with a master's degree who fail the examination a second time will be separated from the program. A student who has successfully passed both the Proposal Defense and Comprehensive Examinations will be admitted to candidacy for the Ph.D. degree.

9. Satisfactory performance on a final examination will consist of the presentation and defense of the dissertation research. The defense will consist of an oral presentation open to the public, a short period of questions from the public, a closed session of questions from the doctoral advising committee, and a closed deliberation and vote by just the advisory committee members. Any graduate faculty member may attend the closed session of questions of the defense.

7. Using Degree Audit as a guide, a degree program must be approved by the advisory committee prior to the beginning of the third semester of enrollment.
8. It is recommended that the student be a teaching assistant or instructor for at least one semester.
9. Students may request a maximum of 15 graduate credits taken at UNLV prior to admission be included in the graduate degree program, providing those credits were not used to fulfill undergraduate requirements and a grade of B (3.00) or higher was achieved.

Graduation Requirements

See Plan Graduation Requirements below.

Plan Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up

to two semesters prior to completing his/her degree requirements.

2. The student must submit and successfully defend his/her dissertation by the posted deadline. The defense must be advertised and is open to the public.
3. After the dissertation defense, the student must electronically submit a properly formatted pdf copy of their dissertation to the Graduate College for format check. Once the dissertation format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for dissertation defenses, format check submissions, and the final ProQuest submission can be found here.

Geoscience Courses

GEOL 610 - Soil Classification and Resource Management Credits 4

Morphology and classification of soils based on their physical, chemical and mineralogical composition. Introduction to soil genesis, soil mapping, and the relationship of soils to the limitations and potentials of land use. Notes: This course is crosslisted with GEOL 410. Credit at the 600-level requires additional work.

GEOL 619 - Medical Geology Credits 3

Medical Geology is the science surrounding the relationship between geological factors and health in humans, animals, and plants. This class focuses on the relationships between geology and human health. Notes: This course is crosslisted with GEOL 419. Credit at the 600-level requires additional work.

GEOL 625 - Principles of Geochemistry Credits 3

Fundamental geochemical processes operating within the earth's lithosphere, hydrosphere and atmosphere. Topics include chemical differentiation of the earth, crystal chemistry, mineral stability and phase diagrams, aqueous geochemistry, isotope geochemistry, organic chemistry. Notes: This course is crosslisted with GEOL 425. Credit at the 600-level requires additional work. Prerequisites: College level chemistry or geochemistry.

GEOL 629 - Geochemical Thermodynamics and Kinetics Credits 3

Survey of the basic principles of thermodynamics and kinetics and their application to geological processes; applications to include igneous, metamorphic, hydrothermal, diagenetic, weathering, and aqueous systems. Notes: This course is crosslisted with GEOL 429. Credit at the 600-level requires additional work.

GEOL 630 - Geographic Information Systems (GIS): Theory and Applications Credits 4

Survey of computer-based techniques in the storage, retrieval, analysis, and representation of spatially referenced data. Emphasis on the application of GIS technology to geologic problems such as natural hazard mapping, surface runoff and erosion, and environmental impact assessment. Notes: This course is crosslisted with GEOL 430. Credit at the 600-level requires additional work.

GEOL 636 - Quaternary Paleoecology Credits 3

Examination of the fossil record of the Quaternary including vertebrate, invertebrate, and floral assemblages. Emphasis on

paleoenvironmental and paleoclimatological reconstructions. Notes: This course is crosslisted with GEOL 436. Credit at the 600-level requires additional work.

GEOL 637 - Paleoclimatology Credits 3
Paleoclimatic history of the Earth, with emphasis on the Neogene and Quaternary Periods. Survey of marine and terrestrial geological records of paleoclimate, including physical sedimentology, geochemistry, and pollen profiles of ice and sediment cores and speleothems. Notes: This course is crosslisted with GEOL 437. Credit at the 600-level requires additional work.

GEOL 640 - Volcanology Credits 3
Description and classification of volcanoes, volcanic eruptions, and volcanic deposits. Emphasis on the dynamics of volcanic eruptions, pyroclastic rocks, lava flows, and volcanic hazard assessment. Notes: This course is crosslisted with GEOL 440. Credit at the 600-level requires additional work.

GEOL 643 - Plate Tectonics Credits 3
Study of the earth's origin, age, thermal and magnetic history; the dynamics and internal structure of lithospheric plates; the mechanisms and geometric constraints of plate motion; and a review of the motions of plates in the past. Notes: This course is crosslisted with GEOL 443. Credit at the 600-level requires additional work.

GEOL 644 - Tectonics of Orogenic Belts Credits 3
Study of crustal deformation and the creation of mountain belts around the world. Emphasis on the comparative structural development of different regions around the globe within the context of plate tectonics. Notes: This course is crosslisted with GEOL 444. Credit at the 600-level requires additional work.

GEOL 645L - Geophysical Methods Lab
Graduate credit may be obtained for courses designated 600 or above. A full description of this course may be found in the Undergraduate Catalog under the corresponding 400 number. Notes: This course is crosslisted with GEOL 445L. Credit at the 600-level requires additional work.

GEOL 646 - Geologic Applications in Remote Sensing Credits 3
Introduction in the acquisition, processing, and interpretation of remote sensing data. Topics covered include basic mapping concepts, the structure of remote sensing data and analysis, thermal and radar techniques, and classification schemes. Notes: This course is crosslisted with GEOL 446. Credit at the 600-level requires additional work.

GEOL 646L - Geologic Applications in Remote Sensing Lab Credits 3
Graduate credit may be obtained for courses designated 600 or above. A full description of this course may be found in the Undergraduate Catalog under the corresponding 400 number. Notes: Credit at the 600-level normally requires additional work.

GEOL 649 - Geochronology Credits 3
Theoretical foundations and modern analytical techniques used in isotopic dating of rocks. Discussion of applications to specific geologic problems and the thermal significance of isotopic dates. Survey of new dating techniques. Notes: This course is crosslisted with GEOL 449. Credit at the 600-level requires additional work.

GEOL 652 - Geophysics Credits 3
Fundamental geophysical concepts and traditional geophysical techniques for the evaluation of the subsurface including gravity, magnetics, and seismic refraction. Same as GEOL 452 Grading Letter Grade Prerequisites: Graduate standing in the college of sciences or engineering.

GEOL 670 - Planetary Geology Credits 3
Examines geologic processes throughout our solar system. Compares geologic processes on extraterrestrial bodies to those that occur on Earth. This course is crosslisted with GEOL 470. Credit at the 600-level requires additional work.

GEOL 671 - Petroleum Geology Credits 4
Origin, migration, accumulation, and geologic distribution of petroleum. Surface, sub-surface and geophysical methods of exploration. Notes: This course is crosslisted with GEOL 471. Credit at the 600-level requires additional work.

GEOL 674 - Hydrogeology Credits 3
Factors controlling the occurrence and distribution of water resource, its quality and quantity, methods of exploration and development. Notes: This course is crosslisted with GEOL 474. Credit at the 600-level requires additional work.

GEOL 675 - Contaminant Hydrogeology - Hazardous Site Assessment and Remediation Credits 3
Theory and practical application of characterization and cleanup techniques for contaminated sites will be covered, including: understanding different pollutants, environmental law and agency guidance, hydrology and contaminant transport processes, non-invasive techniques, typical and innovative monitoring, sampling procedures, natural and enhanced degradation, and effective and emerging cleanup approaches. Notes: This course is crosslisted with GEOL 475. Credit at the 600-level requires additional work. Prerequisites: GEOL 674

GEOL 677 - Geology of Metallic Ore Deposits Credits 4
Geology of metallic ore deposits, origin, occurrence, and alteration. Application of ore deposit characteristics to exploration. Notes: This course is crosslisted with GEOL 477. Credit at the 600-level requires additional work.

GEOL 678 - Hydrogeochemistry Credits 3
Principles of aquatic geochemistry such as chemical thermodynamics, tableaux, and oxidation reduction and environmental organic geochemistry such as physicochemical properties of organic compounds and air/water/soil exchange of organic compounds for environmental studies. Concepts for practical environmental problems, geochemical modeling, and contaminant transport. Notes: This course is crosslisted with GEOL 478. Credit at the 600-level requires additional work.

GEOL 685 - Engineering Geology Credits 3
Application of physical geology to the construction industry. Consideration given to landslide problems, sites for dams, bridges, tunnels and canals; and possible control of erosion and sedimentation by rivers and oceans. Notes: This course is crosslisted with GEOL 485. Credit at the 600-level requires additional work.

GEOL 701 - Research Methods in Geoscience Credits 3
Discussion of the processes of scientific research and research design as applied to modern geoscience. Includes scientific approaches to field and laboratory research, research and professional ethics, writing, and public presentation. Model thesis prospectus and grant proposals prepared. Notes: Required weekend field trips familiarize students with the local geology. Prerequisites: Graduate standing or consent of instructor.

GEOL 703 - Topics in Advanced Geochemistry Credits 3
This course will cover topics in advanced geochemistry, such as thermodynamics, kinetics, oxidation-reduction, acids and bases, weathering, and other topics of interest. Notes: May be repeated to a maximum of twelve credits.

GEOL 707 - Stable Isotope Geochemistry Credits 3
Investigates stable isotopes in the hydrologic and geologic cycles, and their use as tracers in paleoclimatology, hydrogeology, and oceanography. Theory and research applications of stable

isotopes in geologic, biologic, water, and atmospheric samples, including carbon, oxygen, hydrogen, nitrogen, strontium, and sulfur isotopes. Prerequisites: Geochemistry.

GEOL 708 - Radiogenic Isotope Geochemistry Credits 3

Principles of radiogenic isotope geochemistry as a monitor of geochemical processes in the mantle, lithosphere and hydrosphere; applications to petrology, tectonics, economic geology, marine geology and paleoclimatology. Prerequisites: GEOL 330, GEOL 426, MATH 181 or equivalent, or consent of instructor.

GEOL 709 - Field Methods in Hydrogeology Credits 3

A survey of techniques used to investigate field problems in hydrogeology. Data collection, analysis, and professional presentation of results are emphasized. Topics may include: water balance measures, water table mapping, estimation of hydraulic parameters, and ground-water monitoring. Additional topics suggested by students may also be explored.

GEOL 710 - Igneous Petrology Credits 3

Origin of igneous rocks, relation of magma types to tectonic settings, physical properties of magmas, application of trace elements and isotopes to petrogenesis, modeling of crystal fractionation and partial melting, phase diagrams.

GEOL 711 - Principles of Hydrology and Hydraulics Credits 3

Consideration of modern concepts of hydrology and hydraulics. Includes coverage of statistical methods of analysis, unsteady flow, channel design, modeling and simulation, urban hydrology, and design of hydraulic structures. Prerequisites: Consent of instructor.

GEOL 712 - Watershed Hydrology Credits 3

Concepts and processes controlling water movement and distribution within the watershed; analysis techniques for understanding watershed dynamics; numerical simulation of various watershed-scale hydrologic processes. Prerequisites: Consent of instructor.

GEOL 715 - Advanced Hydrogeology Credits 4

Advanced concepts used in ground water investigations, including flow system analysis, resource evaluation, exploration, development, and monitoring. Prerequisites: GEOL 674

GEOL 719 - Vadose Zone Hydrology Credits 3

Basic physical properties of soils and water and the physical principles governing the soil-water system. Modeling the transport of moisture and chemicals in unsaturated soil with applications to practical field problems. Prerequisites: GEOL 674

GEOL 725 - Seminar in Petrology Credits 3

Analysis of current problems, concepts, and research in petrology and closely related fields. Prerequisites: Graduate standing or consent of instructor.

GEOL 727 - Metamorphic Petrology Credits 4

Application of field studies, petrography, mineralogy, phase equilibria, and isotopic methods to the study of metamorphic rocks and crustal evolution; explores relationships among metamorphism, tectonics and thermal evolution of the crust. Notes: Three hours lecture, three hours laboratory. Prerequisites: GEOL 429/629 or equivalent and graduate standing, or consent of instructor.

GEOL 730 - Seminar in Quaternary Studies Credits 3

Evaluation of current methodology focused on solving problems of Quaternary chronology, geomorphic processes, and environmental reconstruction. Emphasis on pluvial and post-pluvial environments of the western United States, the evolution of landforms and the development of stratigraphic units and surficial geology originating during the past three million years. Prerequisites: Graduate standing or consent of instructor.

GEOL 735 - Seminar in Environmental Geology Credits 3

Application of basic geologic concepts to environmental problems: emphasis on geologic hazards, waste disposal, urban planning, resource policy issues, and environmental programs. Prerequisites: GEOL 672 or equivalent or consent of instructor.

GEOL 742 - Seminar in Volcanology Credits 3

Analysis of current problems, concepts, and research in volcanology and closely related fields. Prerequisites: Graduate standing or consent of instructor.

GEOL 744 - Tectonics and Structures Credits 3

Analysis of upper crustal deformation with emphasis on faulting, neotectonics and seismic interpretation; includes a group research project with field and literature data collection, analysis and results suitable for presentation at a professional conference. Prerequisites: Consent of instructor.

GEOL 746 - Strain and Microstructural Analysis Credits 4

Examination of the principles and techniques of finite and incremental strain analysis and their application to naturally deformed rocks. Investigation of plastic deformation processes and deformation mechanisms, and recognition and interpretation of microstructures developed during deformation. Notes: Three hours lecture, three hours laboratory. Prerequisites: GEOL 341 or consent of instructor.

GEOL 747 - Geological Evolution of Western North America Credits 3

Study of the geological evolution of western North America. Emphasis on the stratigraphic, structural, and tectonic development of the continent within the framework of plate tectonics. Notes: Three hours lecture per week. Prerequisites: GEOL 223, GEOL 341, GEOL 462.

GEOL 749 - Advanced Geochronology and Thermochronology Credits 3

Detailed discussion of isotopic dating of rocks with application to geologic problems. Diffusion theory and reconstruction of thermal histories of rocks. Includes surface exposure dating using cosmogenic isotopes, study of uranium series disequilibrium, luminescence, electron spin resonance, and ¹⁴C dating. Prerequisites: GEOL 426

GEOL 755 - Seminar in Paleontology Credits 3

Special topics of current interest in paleontology, with emphasis on Great Basin fossil faunas. Prerequisites: Graduate standing in geology or biology or consent of instructor.

GEOL 762 - Geological Applications of Computers Credits 3

Use of computer algorithms to solve geological problems, geostatistics, modeling of geological processes. Prerequisites: Graduate standing and CS 116 and 169.

GEOL 766 - Earth Systems Change Credits 3

Investigate long-term and short-term global climate changes, ocean redox evolution, and their impacts on biospheric innovations. Explore interactions between Earth's sub spheres (lithosphere, hydrosphere, atmosphere, and biosphere) during times of extreme environmental changes in Earth history and testing methods and techniques for such interactions. Prerequisites: Graduate standing or consent of instructor.

GEOL 770 - Sedimentary Basins Credits 3
Analysis of current ideas concerning the plate tectonic setting and evolution of sedimentary basins. Emphasis on characteristic styles of basin sedimentation and resulting stratigraphic framework, provenance of basin fill, chronologic relationship of tectonic events and sedimentation, and methods of basin analysis. Prerequisites: Graduate standing or consent of instructor.

GEOL 772L - Reflection Seismic Data Interpretation Laboratory Credits 0
Lab course designed to supplement the lecture course. Interpretations of several structural regimes, structure contour maps, correlation using well logs, creation of synthetics, and the interpretation of a 3-D seismic data set. Prerequisites: Graduate standing or consent of instructor.

GEOL 777 - Instrumental Techniques in Geology Credits 3
Use of modern instrumentation to acquire geological and geochemical data. Includes, but not limited to, the practical application of x-ray diffraction and fluorescence and atomic absorption spectrophotometry. Notes: Six hours laboratory. Prerequisites: Graduate standing or consent of instructor.

GEOL 781 - Carbonate Depositional Systems Credits 3
Examination of modern non-marine and marine depositional environments dominated by carbonate sediments, organisms that produce sediments, processes that operate in these settings, and responses of sediment to the processes. Establish criteria for recognizing these environments and processes in ancient carbonate sequences. Prerequisites: Graduate standing and GEOL 462 or consent of instructor.

GEOL 785 - Seminar in Sedimentology Credits 1 – 4
Analysis of current problems, concepts, and research in sedimentary geology and related fields. Emphasis may be upon the genesis and diagenesis of specific sedimentary sequences or upon particular depositional or diagenetic environments. Prerequisites: Graduate standing and either GEOL 780 or GEOL 781, or consent of instructor.

GEOL 786 - Soils Applications: Paleoclimate, Neotectonics, Archeology Credits 3
Special topics of current interest in soil science with emphasis on the use of soils for applications in geomorphology, paleoclimate, neotectonics, and/or archeology. Prerequisites: Graduate standing in geology, biology, anthropology, or consent of instructor.

GEOL 787 - Thesis Research Credits 1 – 6
Supervised research prior to approval of master's program prospectus. Notes: May be repeated to a maximum of six credits, but only one credit can be applied to the student's program. Grading S/F grading only. Prerequisites: Enrollment in the M.S. Program.

GEOL 789 - Dissertation Research Credits 1 – 6
Supervised research prior to advancement to candidacy in the doctoral program. Notes: May be repeated, but only two credits can be applied to the student's program. Grading S/F grading only. Prerequisites: Enrollment in the doctoral program.

GEOL 792 - Seminar in Hydroscience Credits 1 – 3
Specialized topics in hydroscience.

GEOL 793 - Independent Study and Research Credits 1 – 3
Independent study and research projects in some field of geology. Proposed project for study must be submitted in writing to the graduate program coordinator and the department chair for approval and credit evaluation at least two weeks prior to registration. Notes: May be repeated for credit, but only three credits are permitted per instructor unless special permission is received. Prerequisites: Consent of instructor.

GEOL 794 - Directed Readings Credits 1 – 3
Supervised readings on special topics in consultation with a geoscience graduate faculty member. Notes: May be repeated to a maximum of six credits. Requires consent of student's academic adviser. Grading S/F grading only. Prerequisites: Admission to Geoscience Ph.D. program; Consent of instructor.

GEOL 795 - Poster Presentation and Time Management Credits 1
Presentation of geological information in poster format and time management skills. Poster presentation includes layout and design, focus, data versus interpretation, computer graphics, verbal presentation and referencing. Time management issues include scheduling, planning, organization, and productivity. Notes: Should be taken during first or second semester of graduate program. Prerequisites: Graduate standing in Geoscience.

GEOL 796 - Advanced Topics in Geoscience Credits 1 – 3
Variety of advanced studies of current and/or topical interest in specialized areas of geoscience. Notes: May be repeated to a maximum of six credits. Prerequisites: Varies, depending upon the specific topic.

GEOL 797 - Thesis Credits 1 – 6
Research, analysis, and writing towards completion of thesis and subsequent defense. Notes: May be repeated, but only six credits applied to the student's program. Grading S/F grading only. Prerequisites: Graduate standing and consent of instructor.

GEOL 799 - Dissertation Credits 3 – 6
Research analysis and writing toward completion of dissertation and subsequent defense. Notes: Twelve credits are required for the degree, may be repeated, but only twelve credits will be applied to the student's degree program. May be repeated but only a maximum of 12 credits may be used in students degree program Grading S/F grade. Prerequisites: Successful completion of qualifying examination and approval by department.

School of Life Sciences

The School of Life Sciences (SoLS) offers graduate programs leading to the master of science (M.S.) and doctor of philosophy (Ph.D.) degrees. Each degree requires a research thesis (M.S.) or dissertation (Ph.D.). Research leading to the M.S. and Ph.D. degrees may be conducted in one or more of the following fields: cellular and molecular biology; genetics; microbiology; bioinformatics; physiology; population, community, and ecosystem ecology; dryland ecohydrology; evolutionary biology; systematics; and biogeography. The school has well-equipped laboratories to support faculty and graduate student research. These facilities are enhanced through access to a number of specialized scientific resources,

including the UNLV Genomics, Core Facility, the UNLV Confocal and Biological Imaging Core, an AAALAC-accredited animal care facility, and the Wesley E. Niles Herbarium. Investigators from the Nevada System of Higher Education's Desert Research Institute also participate in our graduate program. Numerous funding opportunities are available through state-funded graduate assistant programs via statewide initiatives or in association with individual faculty research programs. Prospective students should make contact with one or more faculty members to familiarize themselves with their current research interests, opportunities for conducting research projects, and funding availability. A list of faculty research interests and admission materials are available online at the school's web site.

Frank van Breukelen, Ph.D., Director
Helen Wing, Ph.D., Graduate Coordinator

Life Sciences Faculty

Director

Van Breukelen, Frank - *Full Graduate Faculty*
Professor; Ph.D., University of Colorado,
Boulder. Rebel since 2002.

Graduate Coordinator

Wing, Helen J. - *Full Graduate Faculty*
Professor; Ph.D., University of Birmingham,
Edgbaston, United Kingdom. Rebel since 2005.

Graduate Faculty

Abella, Scott R. - *Full Graduate Faculty*
Assistant Professor; Ph.D., Northern Arizona
University, Flagstaff. Rebel since 2015.

Andres, Andrew J. - *Full Graduate Faculty*
Associate Professor; Ph.D., Indiana University,
Bloomington. Rebel since 2002.

Bazylinski, Dennis A. - *Full Graduate Faculty*
Professor; Ph.D., University of New
Hampshire, Durham. Rebel since 2006.

Caberoy, Nora B. - *Full Graduate Faculty*
Associate Professor; Ph.D., Washington State
University, Pullman. Rebel since 2012.

Devitt, Dale A. - *Full Graduate Faculty*
Professor; Ph.D., University of California,
Riverside. Rebel since 2005.

Gibbs, Allen G. - *Full Graduate Faculty*
Professor; Ph.D., University of California,
San Diego. Rebel since 2005.

Han, Mira V. - *Full Graduate Faculty*
Assistant Professor, Ph.D., Indiana University,
Bloomington. Rebel since 2013

Hedlund, Brian P. - *Full Graduate Faculty*
Professor; Ph.D., University of Washington,
Seattle. Rebel since 2003.

Hindle, Allyson G. - *Full Graduate Faculty*
Assistant Professor; Ph.D., Texas A&M
University. Rebel since 2019.

Lee, David V. - *Full Graduate Faculty*
Associate Professor; Ph.D., University of
Utah, Salt Lake City. Rebel since 2007.

Petrie, Matthew D. - *Full Graduate Faculty*
Assistant Professor; Ph.D., University of
New Mexico. Rebel since 2018.

Picard, Aude - *Full Graduate Faculty*
Assistant Research Professor; Ph.D., University
of Lyon, France. Rebel since 2018.

Price, Donald K. - *Full Graduate Faculty*
Professor; Ph.D., University of Illinois,
Champaign. Rebel since 2016.

Rafferty, Laurel A. - *Full Graduate Faculty*
Professor; Ph.D., University of Colorado,
Boulder. Rebel since 2010

Riddle, Brett R. - *Full Graduate Faculty*
Professor; Ph.D., University of New Mexico,
Albuquerque. Rebel since 1990.

Robleto, Eduardo A. - *Full Graduate Faculty*
Professor; Ph.D., University of Wisconsin,
Madison. Rebel since 2002.

Rodríguez-Robles, Javier A. - *Full Graduate Faculty*
Professor; Ph.D., University of California,
Berkeley. Rebel since 2002.

Schiller, Martin R. - *Full Graduate Faculty*
Professor; Ph.D., Utah State University,
Logan. Rebel Since 2009.

Schulte, Paul J. - *Full Graduate Faculty*
Associate Professor; Ph.D., University of
Washington, Seattle. Rebel since 1990.

Shen, Jeffery Q. - *Full Graduate Faculty*
Professor; Ph.D., Washington University,
St. Louis. Rebel since 2000.

Stacy, Elizabeth A. - *Full Graduate Faculty*
Associate Professor; Ph.D., Boston
University, Boston. Rebel since 2016.

Stark, Lloyd R. - *Full Graduate Faculty*
Professor; Ph.D., Pennsylvania State University,
University Park. Rebel since 1999.

Thompson, Daniel B. - *Full Graduate Faculty*
Associate Professor; Ph.D., University of
Arizona, Tucson. Rebel since 1990.

Tseng, Ai-Sun - *Full Graduate Faculty*
Assistant Professor; Ph.D., Harvard University,
Cambridge. Rebel since 2012.

Tseng, Boo S. - *Full Graduate Faculty*
Assistant Professor; Ph.D., Rockefeller
University, New York City, Rebel since 2016

Tsourkas, Philippos - *Full Graduate Faculty*
Assistant Professor; Ph.D., University of
California, Berkeley. Rebel since 2012.

Weng, Mo - *Full Graduate Faculty*
Assistant Professor; Ph.D., University of
Michigan, Ann Arbor. Rebel since 2018.

Professors Emeriti

Amy, Penny S.
Emeritus Professor;

Meacham, Susan L.
Emeritus Associate Professor; Ph.D.,
Virginia Polytechnic and State University,
Blacksburg. UNLV Emeritus 1998-2012.

Murvosh, Chad M.
Emeritus Professor; Ph.D., Ohio State University,
Columbus. UNLV Emeritus 1964-1992.

Niles, Wesley E.
Emeritus Professor; Ph.D., University of Arizona,
Tucson. UNLV Emeritus 1968-2002.

Reiber, Carl L.

Emeritus Professor; Ph.D., University of Massachusetts, Amherst. UNLV Emeritus 1993-2018.

Smith, Stanley D.

Emeritus Professor; Ph.D., Arizona State University, Tempe. UNLV Emeritus 1985-2017.

Starkweather, Peter L.

Emeritus Professor; Ph.D., Dartmouth College, Hanover, UNLV Emeritus 1978-2014.

Walker, Lawrence R.

Emeritus Professor; Ph.D., University of Alaska, Fairbanks, UNLV Emeritus 1992-2018.

Winokur, Robert

Emeritus Associate Professor;

Yousef, Mohamed K.

Emeritus Distinguished Professor; Ph.D., University of Missouri. UNLV Emeritus 1968-1994.

Plans

Master of Science - Biological Sciences

Doctor of Philosophy - Biological Sciences

Master of Science - Biological Sciences

Plan Description

The School of Life Sciences offers an M.S. program with concentrations in Cell and Molecular Biology, Ecology and Evolutionary Biology, Integrative Physiology, Microbiology, and Quantitative Biology and Bioinformatics. This degree is less research-intensive than the Ph.D. and is designed to prepare students for a diverse set of science-related careers.

For more information about your program, including your graduate program handbook and learning outcomes please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

Applications for fall admission that are completed by the posted deadline will be given priority for state-funded graduate assistantships. Admission is based on a combination of criteria that may differ from one year to another, however, most successful applicants have a minimum of a 3.0 undergraduate grade point average (junior and senior years) and score in the upper 50th percentile on all sections of the GRE. Decisions for fall applicants will be made by April 1 if not sooner.

Please note that the M.S. and Ph.D. degrees from the School of Life Sciences (SoLS) are research degrees. Applicants must look through the faculty web pages to identify one or more potential mentors as part of their application. They are required to contact these faculty directly regarding the possibility of joining their lab.

Applications are not considered complete unless they contain:

1. A completed Graduate College Application with Official transcripts and two Letters of Recommendation.
2. Official GRE score report; subject GREs are not required.
3. A two-page personal statement describing why the applicant wishes to obtain the MS degree.

All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

See Subplan Requirements below.

Subplan 1: Cellular and Molecular Biology Track

Subplan 2: Ecology and Evolutionary Biology Track

Subplan 3: Integrative Physiology Track

Subplan 4: Microbiology Track

Subplan 5: Quantitative Biology and Bioinformatics

Subplan 1 Requirements: Cellular and Molecular Biology Track

Total Credits Required: 30

Course Requirements

Required Course – Credits: 1

- BIOL 701 - Ethics in Scientific Research

Core Courses – Credits: 6

Complete 6 credits from the following list of courses:

- BIOL 607 - Molecular Biology
- BIOL 625 - Genomics
- BIOL 645 - Cell Physiology
- CHEM 772 - Nucleic Acid Chemistry

Didactic Course – Credits: 3

Complete 3 credits of an advisor-approved didactic course.

Seminar Courses – Credits: 4

Complete 4 credits from any combination of the following courses:

- BIOL 793A - Advanced Topics in Life Sciences: Ecology and Evolution
- BIOL 793B - Advanced Topics in Life Sciences: Organismal Physiology
- BIOL 793C - Advanced Topics in Life Sciences: Cell and Molecular Biology

- BIOL 793D - Advanced Topics in Life Sciences: Microbiology

- BIOL 796 - Graduate Seminar

Elective Courses – Credits: 10

Complete 10 credits of advisor-approved independent study, colloquium, seminar, core, or didactic courses.

Thesis – Credits: 6

- BIOL 797 - Thesis

Degree Requirements

See Plan Degree Requirements below.

Graduation Requirements

See Plan Graduation Requirements below.

Subplan 2 Requirements: Ecology and Evolutionary Biology Track

Total Credits Required: 30

Course Requirements

Required Course – Credits: 1

- BIOL 701 - Ethics in Scientific Research

Didactic Courses – Credits: 9

Complete 9 credits of advisor-approved didactic courses.

Seminar Courses – Credits: 4

Complete 4 credits from any combination of the following courses:

- BIOL 793A - Advanced Topics in Life Sciences: Ecology and Evolution
- BIOL 793B - Advanced Topics in Life Sciences: Organismal Physiology
- BIOL 793C - Advanced Topics in Life Sciences: Cell and Molecular Biology
- BIOL 793D - Advanced Topics in Life Sciences: Microbiology
- BIOL 796 - Graduate Seminar

Elective Courses – Credits: 10

Complete 10 credits advisor-approved independent study, colloquium, seminar, or didactic courses.

Thesis – Credits: 6

- BIOL 797 - Thesis

Degree Requirements

See Plan Degree Requirements below.

Graduation Requirements

See Plan Graduation Requirements below.

Subplan 3 Requirements: Integrative Physiology Track

Total Credits Required: 30

736 Graduate Catalog • College of Sciences

Course Requirements

Required Course – Credits: 1

- BIOL 701 - Ethics in Scientific Research

Didactic Courses – Credits: 12

Complete 12 credits of advisor-approved didactic courses.

Seminar Courses – Credits: 4

Complete 4 credits from any combination of the following courses:

- BIOL 793A - Advanced Topics in Life Sciences: Ecology and Evolution
- BIOL 793B - Advanced Topics in Life Sciences: Organismal Physiology
- BIOL 793C - Advanced Topics in Life Sciences: Cell and Molecular Biology
- BIOL 793D - Advanced Topics in Life Sciences: Microbiology
- BIOL 796 - Graduate Seminar

Elective Courses – Credits: 7

Complete 7 credits of advisor-approved independent study, colloquium, seminar, or didactic courses.

Thesis – Credits: 6

- BIOL 797 - Thesis

Degree Requirements

See Plan Degree Requirements below.

Graduation Requirements

See Plan Graduation Requirements below.

Subplan 4 Requirements: Microbiology Track

Total Credits Required: 30

Course Requirements

Required Course – Credits: 1

- BIOL 701 - Ethics in Scientific Research

Core Courses – Credits: 3

Complete one of following courses:

- BIOL 609 - Virology
- BIOL 618 - Microbial Ecology
- BIOL 653 - Immunology
- BIOL 660 - Microbial Physiology
- BIOL 664 - Bacterial Pathogenesis
- BIOL 685 - Microbial Genetics

Didactic Courses – Credits: 6

Complete 6 credits of advisor-approved didactic courses.

Seminar Courses – Credits: 4

Complete 4 credits from any combination of the following courses:

- BIOL 793A - Advanced Topics in Life Sciences: Ecology and Evolution
- BIOL 793B - Advanced Topics in Life Sciences: Organismal Physiology
- BIOL 793C - Advanced Topics in Life Sciences: Cell and Molecular Biology
- BIOL 793D - Advanced Topics in Life Sciences: Microbiology
- BIOL 796 - Graduate Seminar

Elective Courses – Credits: 10

Complete 10 credits of independent study, colloquium, seminar, core, or didactic courses.

Thesis – Credits: 6

- BIOL 797 - Thesis

Degree Requirements

See Plan Degree Requirements below.

Graduation Requirements

See Plan Graduation Requirements below.

Subplan 5 Requirements: Quantitative Biology and Bioinformatics Track

Total Credits Required: 30

Course Requirements

Required Course – Credits: 1

BIOL 701 - Ethics in Scientific Research

Core Courses – Credits: 6

Complete two of the following courses:

- BIOL 611 - Molecular Evolution
- BIOL 616 - Bioinformatics
- BIOL 625 - Genomics
- BIOL 636 - Biometry
- BIOL 680 - Introduction to Biological Modeling
- BIOL 714 - Topics in Population and Evolutionary Genetics

Didactic Courses - Credits: 3

Complete 3 credits of advisor-approved didactic courses.

Seminar Courses - Credits: 4

Complete 4 credits from any combination of the following courses:

- BIOL 793A - Advanced Topics in Life Sciences: Ecology and Evolution
- BIOL 793B - Advanced Topics in Life Sciences: Organismal Physiology

- BIOL 793C - Advanced Topics in Life Sciences: Cell and Molecular Biology
- BIOL 793D - Advanced Topics in Life Sciences: Microbiology
- BIOL 796 - Graduate Seminar

Elective Courses – Credits: 10

Complete 10 credits of independent study, colloquium, seminar, core, or didactic courses

Thesis – Credits: 6

- BIOL 797 - Thesis

Degree Requirements

See Plan Degree Requirements below.

Graduation Requirements

See Plan Graduation Requirements below.

Plan Degree Requirements

1. Complete a minimum of 30 credit hours beyond the undergraduate degree. At least 18 of these hours must be completed at the 700-level.
2. Students may request a maximum of 15 graduate credits taken at UNLV prior to admission into SoLS's Graduate Program to be counted towards the 30 credit hour minimum graduation requirement, provided that those credits were not used to fulfill undergraduate requirements and that a minimum grade of "B" (3.00) was earned in each course.
3. At least 50 percent of the total credits required to complete the master's degree must be earned at UNLV after admission into the Graduate Program.
4. Students should register for at least nine (9) credits each semester if they are receiving financial support from SoLS; otherwise they must register for at least six (6) credits each semester.
5. Students working on their thesis must register for at least three (3) credits each semester (excluding summer) until the Master's Thesis is completed and given final approval.

Plan Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
2. The student must submit and successfully defend his/her thesis by the posted deadline. The defense must be advertised and is open to the public.
3. After the thesis defense, the student must electronically submit a properly formatted pdf copy of their thesis to the Graduate College for format check. Once the thesis format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines

for thesis defenses, format check submissions, and the final ProQuest submission can be found here.

Doctor of Philosophy - Biological Sciences

Plan Description

The School of Life Sciences (SoLS) offers a Ph.D. program in Cell and Molecular Biology, Ecology and Evolutionary Biology, Integrative Physiology, Microbiology and Quantitative Biology and Bioinformatics. This degree is research intensive and is designed to prepare students for careers in academia, government, or industry. Students complete a minimum of 60 credit hours from a list of core and approved courses within their section. In addition, students are typically a Teaching Assistant (TA) for at least one semester. It is expected that students will first-author at least one peer-reviewed journal article.

For more information about your program, including your graduate program handbook and learning outcomes please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

Applications for fall admission that are completed by the posted deadline will be given priority for state-funded graduate assistantships. Admission is based on a combination of criteria that may differ from one year to another, however, most successful applicants have a minimum of a 3.0 undergraduate grade point average (junior and senior years) and score in the upper 50th percentile on all sections of the GRE. Students interested in enrolling in the Quantitative Biology and Bioinformatics Track (Subplan 5) must have taken two semester-long biology classes prior to admission. Decisions for fall applicants will be made by April 1 if not sooner.

Applications are not considered complete unless they contain:

1. A completed Graduate College Application with Official transcripts and three Letters of Recommendation.
2. Official GRE score report; subject GREs are not required.
3. A two-page personal statement describing why the applicant wishes to obtain a Ph.D. in biological sciences.

All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

See Subplan Requirements below.

Subplan 1: Post-Bachelor's – Cellular and Molecular Biology Track

Subplan 2: Post-Bachelor's – Ecology and Evolutionary Biology Track

Subplan 3: Post-Bachelor's – Integrative Physiology Track

Subplan 4: Post-Bachelor's – Microbiology Track

Subplan 5: Post-Bachelor's – Quantitative Biology and Bioinformatics Track

Subplan 6: Post-Master's Track

Subplan 1 Requirements: Post-Bachelor's - Cellular and Molecular Biology Track

Total Credits Required: 60

Course Requirements

Core Course – Credits: 1

- BIOL 701 - Ethics in Scientific Research

Required Courses – Credits: 9

Complete 9 credits from the following list of courses:

- BIOL 607 - Molecular Biology
- BIOL 625 - Genomics
- BIOL 645 - Cell Physiology
- CHEM 772 - Nucleic Acid Chemistry

Didactic Courses – Credits: 9

Complete 9 credits of advisor-approved didactic courses.

Seminar Courses – Credits: 6

Complete 6 credits from the following course:

- BIOL 793A - Advanced Topics in Life Sciences: Ecology and Evolution
- BIOL 793B - Advanced Topics in Life Sciences: Organismal Physiology
- BIOL 793C - Advanced Topics in Life Sciences: Cell and Molecular Biology
- BIOL 793D - Advanced Topics in Life Sciences: Microbiology
- BIOL 796 - Graduate Seminar

Elective Courses – Credits: 23

Complete 23 credits of advisor-approved independent study, colloquium, seminar, or didactic courses.

Dissertation – Credits: 12

- BIOL 799 - Dissertation

Degree Requirements

1. Complete a minimum of 60 credit hours beyond the undergraduate degree. At least 24 of these hours (excluding dissertation) must be completed at the

700-level.

2. Dissertation credits may be repeated for credit as needed, but only 12 credits may be counted towards the 60 credit hour minimum graduation requirement.
3. Students must complete the specific didactic course work required. See SoLS's Graduate Student Handbook <http://sols.unlv.edu/current.html> for specific requirements.
4. Students working on their dissertation must register for at least 3 credits each semester (excluding summer) until the Dissertation is completed and given final approval.

Graduation Requirements

See Plan Graduation Requirements below.

Subplan 2 Requirements: Post-Bachelor's - Ecology and Evolutionary Biology Track

Total Credits Required: 60

Course Requirements

Core Course – Credits: 1

- BIOL 701 - Ethics in Scientific Research

Didactic Courses – Credits: 18

Complete 18 credits of advisor-approved didactic courses.

Seminar Courses – Credits: 6

Complete 6 credits from any combination of the following courses:

- BIOL 793A - Advanced Topics in Life Sciences: Ecology and Evolution
- BIOL 793B - Advanced Topics in Life Sciences: Organismal Physiology
- BIOL 793C - Advanced Topics in Life Sciences: Cell and Molecular Biology
- BIOL 793D - Advanced Topics in Life Sciences: Microbiology
- BIOL 796 - Graduate Seminar

Elective Courses – Credits: 23

Complete 23 credits of advisor-approved independent study, colloquium, seminar, or didactic courses.

Dissertation – Credits: 12

- BIOL 799 - Dissertation

Degree Requirements

1. Complete a minimum of 60 credit hours beyond the undergraduate degree. At least 24 of these hours (excluding dissertation) must be completed at the 700-level.
2. Dissertation credits may be repeated for credit as needed, but only 12 credits may be counted towards the 60 credit hour minimum graduation requirement.

3. Students must complete the specific didactic course work required. See SoLS's Graduate Student Handbook <http://sols.unlv.edu/current.html> for specific requirements.

4. Students working on their dissertation must register for at least 3 credits each semester (excluding summer) until the Dissertation is completed and given final approval.

Graduation Requirements

See Plan Graduation Requirements below.

Subplan 3 Requirements: Post-Bachelor's - Integrative Physiology Track

Total Credits Required: 60

Course Requirements

Core Course – Credits: 1

- BIOL 701 - Ethics in Scientific Research

Didactic Courses – Credits: 18

Complete 18 credits of advisor-approved didactic courses.

Seminar Courses – Credits: 6

Complete 6 credits from the following course:

- BIOL 793A - Advanced Topics in Life Sciences: Ecology and Evolution
- BIOL 793B - Advanced Topics in Life Sciences: Organismal Physiology
- BIOL 793C - Advanced Topics in Life Sciences: Cell and Molecular Biology
- BIOL 793D - Advanced Topics in Life Sciences: Microbiology
- BIOL 796 - Graduate Seminar

Elective Courses – Credits: 23

Complete 23 credits of advisor-approved independent study, colloquium, seminar, or didactic courses.

Dissertation – Credits: 12

- BIOL 799 - Dissertation

Degree Requirements

1. Complete a minimum of 60 credit hours beyond the undergraduate degree. At least 24 of these hours (excluding dissertation) must be completed at the 700-level.
2. Dissertation credits may be repeated for credit as needed, but only 12 credits may be counted towards the 60 credit hour minimum graduation requirement.
3. Students must complete the specific didactic course work required. See SoLS's Graduate Student Handbook <http://sols.unlv.edu/current.html> for specific requirements.
4. Students working on their dissertation must register

for at least 3 credits each semester (excluding summer) until the Dissertation is completed and given final approval.

Graduation Requirements

See Plan Graduation Requirements below.

Subplan 4 Requirements: Post-Bachelor's - Microbiology Track

Total Credits Required: 60

Course Requirements

Core Course – Credits: 1

- BIOL 701 - Ethics in Scientific Research

Required Courses – Credits: 3

Complete 3 credits from the following list of courses:

- BIOL 609 - Virology
- BIOL 618 - Microbial Ecology
- BIOL 653 - Immunology
- BIOL 664 - Bacterial Pathogenesis
- BIOL 660 - Microbial Physiology
- BIOL 685 - Microbial Genetics

Didactic Courses – Credits: 15

Complete 15 credits of advisor-approved didactic courses.

Seminar Courses – Credits: 6

Complete 6 credits from any combination of the following courses:

- BIOL 793A - Advanced Topics in Life Sciences: Ecology and Evolution
- BIOL 793B - Advanced Topics in Life Sciences: Organismal Physiology
- BIOL 793C - Advanced Topics in Life Sciences: Cell and Molecular Biology
- BIOL 793D - Advanced Topics in Life Sciences: Microbiology
- BIOL 796 - Graduate Seminar

Elective Courses – Credits: 23

Complete 23 credits of advisor-approved independent study, colloquium, seminar, or didactic courses.

Dissertation – Credits: 12

- BIOL 799 - Dissertation

Degree Requirements

1. Complete a minimum of 60 credit hours beyond the undergraduate degree. At least 24 of these hours (excluding dissertation) must be completed at the 700-level.
2. Dissertation credits may be repeated for credit as

needed, but only 12 credits may be counted towards the 60 credit hour minimum graduation requirement.

3. Students must complete the specific didactic course work required. See SoLS's Graduate Student Handbook <http://sols.unlv.edu/current.html> for specific requirements.

4. Students working on their dissertation must register for at least 3 credits each semester (excluding summer) until the Dissertation is completed and given final approval.

Graduation Requirements

See Plan Graduation Requirements below.

Subplan 5 Requirements: Post Bachelor's - Quantitative Biology and Bioinformatics Track

Total Credits Required: 60

Course requirements

Core Course - Credits: 1

- BIOL 701 - Ethics in Scientific Research

Required Courses - Credits: 6

Complete 6 credits from the following list of courses:

- BIOL 611 - Molecular Evolution
- BIOL 616 - Bioinformatics
- BIOL 625 - Genomics
- BIOL 636 - Biometry
- BIOL 680 - Introduction to Biological Modeling
- BIOL 714 - Topics in Population and Evolutionary Genetics

Didactic courses - Credits: 12

Complete 12 credits of advisor-approved didactic courses.

Seminar Courses – Credits: 6

Complete 6 credits from the following course:

- BIOL 793A - Advanced Topics in Life Sciences: Ecology and Evolution
- BIOL 793B - Advanced Topics in Life Sciences: Organismal Physiology
- BIOL 793C - Advanced Topics in Life Sciences: Cell and Molecular Biology
- BIOL 793D - Advanced Topics in Life Sciences: Microbiology
- BIOL 796 - Graduate Seminar

Elective Courses – Credits: 23

Complete 23 credits of advisor-approved independent study, colloquium, seminar, core, or didactic courses.

Dissertation – Credits: 12

- BIOL 799 - Dissertation

Degree Requirements

1. Complete a minimum of 60 credit hours beyond the undergraduate degree. At least 24 of these hours (excluding dissertation) must be completed at the 700-level.
2. Dissertation credits may be repeated for credit as needed, but only 12 credits may be counted towards the 60 credit hour minimum graduation requirement.
3. Students must complete the specific didactic course work required. See SoLS's Graduate Student Handbook <http://sols.unlv.edu/current.html> for specific requirements.
4. Students working on their dissertation must register for at least 3 credits each semester (excluding summer) until the Dissertation is completed and given final approval.

Graduation requirements

See Plan Graduation Requirements below.

Subplan 6 Requirements: Post-Master's Track

Total Credits Required: 30

Course Requirements

Core Course – Credits: 1

- BIOL 701 - Ethics in Scientific Research

Seminar Courses – Credits: 6

Complete 6 credits from the following courses:

- BIOL 793A - Advanced Topics in Life Sciences: Ecology and Evolution
- BIOL 793B - Advanced Topics in Life Sciences: Organismal Physiology
- BIOL 793C - Advanced Topics in Life Sciences: Cell and Molecular Biology
- BIOL 793D - Advanced Topics in Life Sciences: Microbiology
- BIOL 796 - Graduate Seminar

Didactic Courses – Credits: 11

Complete 11 credits of advisor-approved didactic courses.

Dissertation – Credits: 12

- BIOL 799 - Dissertation

Degree Requirements

1. Complete a minimum of 30 credit hours when entering the program with a master's degree from another institution. At least 9 of these hours must be completed at the 700-level.
2. Dissertation credits may be repeated for credit as needed, but only 12 credits may be counted towards the 30 credit hour minimum graduation requirement.
3. Students must complete the didactic course work

required by the Section (e.g., Ecology and Evolutionary Biology, Cell and Molecular Biology, Microbiology, and Integrative Physiology) to which they belong. See SoLS's Graduate Student Handbook <http://sols.unlv.edu/current.html> for specific requirements.

4. Students working on their dissertation must register for at least three (3) credits each semester (excluding summer) until the Dissertation is completed and given final approval.

Graduation Requirements

See Plan Graduation Requirements below.

Plan Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
2. The student must submit and successfully defend his/her dissertation by the posted deadline. The defense must be advertised and is open to the public.
3. After the dissertation defense, the student must electronically submit a properly formatted pdf copy of their dissertation to the Graduate College for format check. Once the dissertation format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for dissertation defenses, format check submissions, and the final ProQuest submission can be found here.

School of Life Sciences Courses

BIOL 603 - Restoration Ecology **Credits 3**

The science and practice of repairing ecosystems that have been damaged or destroyed; including determining reference conditions, restoration practices across biomes, and challenges to restoration during an era of global change in climate, disturbance, and biological invasions. Notes: This course is crosslisted with BIOL 403. Credit at the 600-level requires additional work. Prerequisites: Consent of instructor.

BIOL 604 - Principles of Neurobiology **Credits 3**

Notes: This course is crosslisted with BIOL 404. Credit at the 600 level requires additional work.

BIOL 607 - Molecular Biology **Credits 3**

Introductory molecular biology. Study of genes and their activities at the molecular level, including transcription, translation, DNA replication, and recombination. Concepts of molecular biology presented along with experimental strategies and data the led to those concepts. Notes: This course is crosslisted with BIOL 405. Credit at the 600 level requires additional work.

BIOL 609 - Virology

Systematic examination of animal, plant, and bacterial viruses including their structure and genome organization, their reproduction and assembly, and their effects on host organisms. Notes: This course is crosslisted with BIOL 409. Credit at the 600-level requires additional work.

BIOL 611 - Molecular Evolution Credits 3

Molecular evolution of genes and genomes. Determination of the universal tree of life by inferring molecular phylogenies of genes and proteins. Emphasis on evolution by duplication, recombination, and transposition. Notes: This course is crosslisted with BIOL 412. Coursework at the 600-level normally requires additional work.

BIOL 613 - Introduction to Scientific Writing Credits 2

Scientific writing for those intending to publish manuscripts, technical reports, or academic papers in the sciences. Writing techniques, published literature, and student writing examples are presented and evaluated. Students will improve their writing skills and learn to critique published writing samples. This course is crosslisted with BIOL 413. Credit at the 600-level requires additional work.

BIOL 616 - Bioinformatics Credits 3

This class covers basic principles in bioinformatics, as well as Perl programming, algorithms, databases, and use of many bioinformatics resources. In class "laboratory" exercises reinforce these topics with hands-on activities and individual/group learning exercises. The class emphasizes a conceptual and practical understanding of bioinformatics applied to biological systems at the molecular, cellular, and organismal level. Prerequisites: Consent of instructor.

BIOL 617 - Biochemical Adaptations Credits 3

Exploration of biochemical and molecular characteristics that appear to be adaptive for organisms in their respective environments. Grading Letter grade Prerequisites: Consent of instructor

BIOL 618 - Microbial Ecology

Study of microbes as individuals, populations, and communities in freshwater, marine, and terrestrial environments. Topics such as nutrient cycling, biodegradation, and biotechnology discussed from an ecological standpoint. Notes: This course is crosslisted with BIOL 418. Credit at the 600-level requires additional work.

BIOL 622 - Taxonomy of Vascular Plants

Study of the evolutionary relationships of the principal orders, families and genera; systems of classification; collection and identification of local flora. Notes: This course is crosslisted with BIOL 422. Credit at the 600-level requires additional work.

BIOL 625 - Genomics

Study of the sequencing, assembling and annotating of genomes. Examination of new approaches that integrate genetics, molecular biology, and computer sciences to answer biological questions in novel ways. Applications of genomics, proteomic and bioinformatic technologies in medical researches. Notes: This course is crosslisted with BIOL 425. Credit at the 600-level requires additional work.

BIOL 626 - Plant Anatomy

Study of the basic structure of plant organs and tissues, particularly with regard to relationships between structure and function. Notes: This course is crosslisted with BIOL 426. Credit at the 600-level requires additional work.

BIOL 631 - Ichthyology

Study of biology of fishes, including morphology, physiology, ecology, and evolution. Emphasis on local fish, field work

with state and federal agency biologists. Notes: This course is crosslisted with BIOL 431. Credit at the 600-level requires additional work.

BIOL 632 - Herpetology Credits 4

Introduction to various aspects of the ecology, behavior, and evolution of recent amphibians and non-avian reptiles. In the laboratory students will learn diagnostic characteristics, some functional attributes, and aspects of the natural history of recent amphibians and non-avian reptiles, particularly of species from southwestern North America. Notes: This course is crosslisted with BIOL 432. Credit at the 600-level requires additional work. Grading Letter Grade.

BIOL 633 - Ornithology

Principles of avian biology and evolution. Notes: This course is crosslisted with BIOL 433. Credit at the 600-level requires additional work.

BIOL 634 - Mammalogy Credits 4

Study of mammalian biology, evolution, and ecology, with attention to issues in mammal conservation biology. Three hours lecture and three hours laboratory with possible weekend and overnight field trips. Notes: This course is crosslisted with BIOL 434. Credit at the 600 level requires additional work.

BIOL 635 - Forest Ecology Credits 3

Principles of the ecology and conservation of forest ecosystems; tree species traits, forest development, and disturbance effects on forests; evolutionary processes in forest change; animal and microorganism use of forest habitats and influences on forests; effects of fire, forest pests, and global change on forest ecology and biodiversity. Notes: This course is crosslisted with BIOL 435. Credit at the 600-level requires additional work. Prerequisites: Undergraduate degree in biology.

BIOL 636 - Biometry Credits 3

Analysis of large data sets, statistical hypothesis testing, and experimental design. Examples drawn from molecular biology (e.g. microarrays, RNA-Seq), ecology, systems biology, and population genetics. Introduction to programming in the R programming language. Notes: This course is cross-listed with BIOL 428S. Coursework at the graduate level requires additional work. Prerequisites: Consent of instructor.

BIOL 641 - Field Ecology

Introduction to ecological research. Weekly field projects emphasize population biology, interactions among species, and ecosystem processes. Notes: This course is crosslisted with BIOL 441. Credit at the 600-level requires additional work.

BIOL 642 - Principles of Plant Physiology Credits 4

Introduction to the basic physiological processes in plants: metabolism, nutrition, growth, and development. Notes: This course is crosslisted with BIOL 442. Credit at the 600 level requires additional work.

BIOL 643 - Molecular Biotechnology Credits 3

Examines techniques in DNA technology. Explains scientific basis, describes their applications in industry, and considers their potential for use or misuse in the future. Grading This course is crosslisted with BIOL 443. Coursework at the 600-level requires additional work.

BIOL 644 - Principles of Plant Ecology Credits 3

Introduction to the ecology of wild plants, particularly structure, ecology of populations, interactions of plants with their environment and other organisms, and survey of the major global vegetation types. Notes: This course is crosslisted with BIOL 444. Credit at the 600 level requires additional work.

BIOL 645 - Cell Physiology Credits 3

Cell physiology provides an understanding of the basic processes of eukaryotic cells and their relationship to cellular ultrastructure. Notes: This course is crosslisted with BIOL 445. Credit at the 600 level requires additional work. Prerequisites: Consent of instructor.

BIOL 647 - Comparative Animal Physiology Credits 3

Comparative physiology provides a detailed understanding of the diverse array of physiological systems evolved to allow animals to function in various environments. The comparative approach is used to understand physiological adaptations to various environments and the evolution of physiological systems. Notes: This course is crosslisted with BIOL 447. Credit at the 600 level requires additional work. Grading Letter Grade

BIOL 651 - Comparative Vertebrate Anatomy Laboratory Credits 2

The companion laboratory course of BIOL 655. Hands-on dissection of specimens representing major vertebrate groups. Numerous demonstration specimens sample the diversity of fishes, amphibians, and amniotes. Review of fossil vertebrates with emphasis on phylogenetic relationships. Notes: This course is crosslisted with BIOL 451. Credit at the 600-level requires additional work. Prerequisites: Biology degree or consent of instructor. Corequisite: BIOL 655

BIOL 653 - Immunology Credits 3

Study of the immune response, cell-mediated and humoral. Topics include the diversity of antibodies and antigen receptors, evolution of immunity, cell-cell interactions, importance of major histocompatibility complex immune regulation, and immunity to microorganisms. Notes: This course is crosslisted with BIOL 453. Credit at the 600-level requires additional work.

BIOL 658 - Stem Cells and Regeneration Biology Credits 3

A survey of research literature in regeneration biology and stem cells across the organismal, tissue, and molecular levels. Our focus is on understanding tissue regeneration through model organism studies (invertebrates and vertebrates). Topics include stem cells, wound healing, organogenesis, and age dependent-regeneration, with discussions of applicability towards promoting human regenerative repair.

BIOL 660 - Microbial Physiology Credits 3

Exploration of the major aspects of microbial physiology, including structure and growth of bacteria, generation of ATP and intermediary metabolism, synthesis of macromolecules and cellular components, and coordination of intracellular activities. Same as No Notes: This course is crosslisted with BIOL 460. Credit at the 600 level requires additional work.

BIOL 664 - Bacterial Pathogenesis Credits 3

Addresses the molecular mechanisms by which bacterial pathogens cause disease. Basic principles of bacterial pathogenesis will be considered before a survey of bacterial pathogens and their specific virulence factors is conducted. Includes aspects of bacterial genetics, physiology, immunology, and the cell biology of host-parasite interactions. Notes: This course is crosslisted with BIOL 464. Credit at the 600 level requires additional work. Prerequisites: BIOL 351 or equivalent microbiology class.

BIOL 665 - Vertebrate Embryology Credits 4

Development of vertebrates, with emphasis on amphibians, birds, and mammals. Considerations of gametogenesis, fertilization, cleavage, early morphogenesis, and organogenesis included. Notes: This course is crosslisted with BIOL 465. Credit at the 600-level requires additional work.

BIOL 669 - RNA Biology Credits 3

Comprehensive survey designed to cover multiple types and biological roles of RNA. Specific topics include role of RNAs in the regulation of important cellular and physiological processes, and how alteration of RNA functions could lead to human genetic diseases as well as RNA-based therapies. Notes: This course is crosslisted with BIOL 469. Coursework at the 600-level requires additional work.

BIOL 670 - Topics in Applied Microbiology Credits 3

Applications may include bioremediation, food, agriculture, pharmaceuticals, vaccine development, water treatment, or genetic engineering. Presentation and discussion of current literature. Topics published in the class schedule. Maximum of two different topics may be selected for a total of six credits. Notes: This course is crosslisted with BIOL 470. Credit at the 600 level requires additional work.

BIOL 678 - Genetics and Cell Biology of Cancer Credits 3

An exploration of the genetic controls that go arwy during carcinogenesis, tumorigenesis, and metastasis leading to cancer. A mixture of formal lectures, student presentations, and class discussions are employed. Course is crosslisted with BIOL 478. Credit at the 600-level requires additional work. Notes: Course is crosslisted with BIOL 478. Credit at the 600-level requires additional work. Prerequisites: Permission of instructor.

BIOL 680 - Introduction to Biological Modeling Credits 3

Introduction to the modeling of biological systems and processes through the use of computers. Notes: This course is crosslisted with BIOL 480. Credit at the 600-level requires additional work.

BIOL 685 - Microbial Genetics Credits 4

Examines genetics of prokaryotic microorganisms, including induction of mutations and selection of mutants, alternative processes of genetic exchange and gene mapping, and gene organization and regulation. Notes: This course is crosslisted with BIOL 485. Credit at the 600-level requires additional work.

BIOL 690 - Biogeography Credits 3

Study of distributional patterns of plant and animal groups, including consideration of theories and principles, derived from a variety of disciplines, related to those patterns. Notes: This course is crosslisted with BIOL 490. Credit at the 600 level requires additional work.

BIOL 701 - Ethics in Scientific Research.. Credits 1 - 2

Examination of ethical issues in scientific research, including research design, planning, and support; data manipulation and accessibility; publication practices and authorship; peer review; and scientific misconduct. Grading Letter grade Prerequisites: Graduate standing or consent of instructor

BIOL 702 - Biology Graduate Core Credits 3

Preparation for independent research and careers in the biological sciences. Fundamentals of research design and the development of professional skills needed for success in a range of careers. Notes: Anti-requisite: Any analogous core graduate course completed at another institution by incoming M.S.-holding students.

BIOL 703 - Biochemical Genetics Credits 3

Detailed study of the structure of nucleic acids and the molecular genetic mechanisms of replication, transcription, and induction and repression of genetic information. Biochemical genetics of gene transfer. Prerequisites: BIO 300 and CHEM 471.

BIOL 714 - Topics in Population and Evolutionary Genetics Credits 3

Examines the interactions of evolutionary processes, such as natural selection, genetic drift, gene flow, and mutation, and effects of these interactions on population differentiation, speciation, and extinction. Theoretical and empirical approaches

to the study of DNA substitutions and quantitative genetic change addressed. Notes: This course is repeatable for up to 9 credits. Prerequisites: MATH 181 and BIO 310 or consent of instructor.

BIOL 730A-D - Special Lectures in Life Sciences Credits 3
Reserved for formal didactic classes with varying special current topics in different disciplines of life sciences. Lettering system reflects focus on topics specific for each Section within Life Sciences (A = Ecology and Evolution, B = Organismal Physiology, C = Cell and Molecular Biology, D = Microbiology). Notes: May be repeated to a maximum of nine credits. Prerequisites: Consent of instructor.

BIOL 745 - Arid Zone Soils Credits 3
Role soils have in the soil-plant-atmospheric continuum of arid regions, influence of arid zone soils on all aspects of plant growth and development, influence of soil forming factors on the development of arid soils. Same as GEOL 740 Prerequisites: Consent of instructor.

BIOL 748 - Environmental Physiology Credits 3
Examination of physiological responses, including adaptation and acclimatization to extreme physical environments. Consideration of desert, tropical, arctic, mountain, and aquatic environments and their physiology, ecological, and phylogenetic implications.

BIOL 767 - Dissertation Grant Proposal Writing Credits 3
Develop grant proposal on dissertation research or closely related project. Identify hypotheses or primary objectives, develop 2-3 aims and experiments to test this hypothesis or satisfy the objective. Grading S/F grading only. Prerequisites: Consent of instructor.

BIOL 781 - Topics in Population and Evolutionary Ecology Credits 3
Advanced topics in population growth, population interaction and evolution in ecological systems. Includes reading and class discussion of both theoretical and empirical material with emphasis on individual student analysis and integration. Notes: Three hours of lecture and discussion. This class is repeatable up to 9 credits. Prerequisites: BIO 340 or equivalent and consent of instructor.

BIOL 783 - Topics in Community and Ecosystem Ecology Credits 3
Readings and evaluation of the highest levels of organization in ecology through: a) exploration of the fundamental concepts of community distributions, structure, organization, and change; and b) analysis of ecosystem-level processes of primary and secondary production and nutrient cycling. Notes: This course is repeatable up to 9 credits. Prerequisites: BIO 340 or equivalent and consent of instructor.

BIOL 784 - Topics in Applied Ecology and Conservation Biology Credits 3
Advanced topics in applied ecology and conservation biology. Notes: May be repeated a maximum of 9 credits. Grading Letter Grade Prerequisites: BIO 340 or consent of instructor.

BIOL 787 - Research Laboratory Rotation Credits 1 – 3
Provides an opportunity for newly admitted graduate students to experience the research of Biological Sciences graduate faculty through one-on-one interactions. Gives graduate students the information they need to make informal choices about the lab(s) where they carry out their thesis and dissertation research. Notes: May be repeated to a maximum of three credits. Grading S/F grading only. Prerequisites: Admission as a regular graduate student in the M.S. or Ph.D. Program.

BIOL 789 - Independent Graduate Study in Life Sciences Credits 1 – 3

Students use this class to receive research credit related to their thesis or dissertation project prior to registering for BIOL 797 or BIOL 799. Notes: May be repeated to a maximum of nine credits. Prerequisites: Consent of instructor.

BIOL 790A - Research Colloquium in Life Sciences: Ecology and Evolution Credits 1
Research Colloquium in Life Sciences: Ecology and Evolution Grading Letter grade

BIOL 790A-D - Research Colloquium in Life Sciences Credits 1 – 3
Students use this class to present their individual research results to a section-wide audience. Lettering system reflects focus on topics specific for each Section within Life Sciences (A = Ecology and Evolution, B = Organismal Physiology, C = Cell and Molecular Biology, D = Microbiology). Notes: May be repeated to a maximum of nine credits. Prerequisites: Consent of instructor.

BIOL 791 - Research Laboratory Discussions in Life Sciences Credits 1-2
Students present their research and discuss the work of colleagues during formal laboratory meetings with their mentor's research group. Notes: May be repeated to a maximum of nine credits. Grading Letter grade Prerequisites: Consent of instructor.

BIOL 792 - Advanced Topics in Cell and Molecular Biology Credits 1 - 3
Includes papers, oral presentations and discussion of current literature in these fields. Notes: Topics announced with each offering. May be repeated to a maximum of twelve credits. Prerequisites: Graduate standing and consent of instructor.

BIOL 793A - Advanced Topics in Life Sciences: Ecology and Evolution Credits 1 - 2
A seminar-style class where presentations are organized around a common theme. Students present and discuss the related primary literature. Notes: May be repeated to a maximum of six credits.

BIOL 793B - Advanced Topics in Life Sciences: Organismal Physiology Credits 1 - 2
A seminar-style class where presentations are organized around a common theme. Students present and discuss the related primary literature. Notes: May be repeated to a maximum of six credits.

BIOL 793C - Advanced Topics in Life Sciences: Cell and Molecular Biology Credits 1 - 2
A seminar-style class where presentations are organized around a common theme. Students present and discuss the related primary literature. Notes: May be repeated to a maximum of six credits.

BIOL 793D - Advanced Topics in Life Sciences: Microbiology Credits 1 - 2
A seminar-style class where presentations are organized around a common theme. Students present and discuss the related primary literature. Notes: May be repeated to a maximum of six credits.

BIOL 794 - Techniques in Molecular Biology Credits 3
Introduction to the theory and laboratory methods used in molecular biology research. Topics include the isolation and purification of nucleic acids, restriction digests, cloning. Southern blotting, PCR, DNA sequencing, and electrophoresis. Notes: Three to nine laboratory hours per week. Prerequisites: Consent of instructor.

BIOL 796 - Graduate Seminar Credits 1 – 2
Instructs students on how to prepare and present seminars on topics of current interest in life sciences. Lettering system reflects focus on topics specific for each Section within Life Sciences (A = Ecology and Evolution, B = Organismal Physiology, C = Cell and Molecular Biology, D = Microbiology). Notes: May be repeated to a maximum of nine credits. Grading Letter grade
Prerequisites: Graduate standing in biology.

BIOL 797 - Thesis Credits 3 – 6
Notes: May be repeated but only six credits applied to the student's program. Enrollment by consent of instructor only. Grading S/F grading only.

BIOL 799 - Dissertation Credits 3 – 6
Research analysis and writing toward completion of dissertation and subsequent defense. Notes: May be repeated but a maximum of only 18 credits may be applied to the degree program. Grading S/F grading only. Prerequisites: Graduate standing in the Biology Ph.D. program and consent of instructor.

Mathematical Sciences

The Department of Mathematical Sciences offers both the master of science and doctor of philosophy degrees. The M.S. program has areas of concentration in pure mathematics, applied mathematics, applied statistics, and teaching mathematics. The Ph.D. program has areas of concentration in applied mathematics, computational mathematics, pure mathematics, and statistics. Specific disciplines include approximation theory, applied complex analysis, bioinformatics, biostatistics, calculus of variations, combinatorics, control theory, finite fields, graph theory, mathematical education, mathematical modeling, number theory, numerical analysis, partial differential equations, scientific computing, set theory, and statistics. Excellent computing facilities are available for classroom studies and research. The Department of Mathematical Sciences, through an active faculty, offers graduate students both an unusual amount of personal attention and a lively research atmosphere. The degree programs are designed to provide students with a strong theoretical background in graduate-level mathematics. Our graduates have been successful in finding employment in industry, government and education.

Zhijian Wu, Ph.D., Chair

Jichun Li, Ph.D., Graduate Coordinator

Mathematical Sciences Faculty

Chair

Wu, Zhijian - *Full Graduate Faculty*
Professor; B.S., China University of Geosciences; M.S., Peking University; Ph.D., Washington University. Rebel since 2015.

Graduate Coordinator

Li, Jichun - *Full Graduate Faculty*
Professor; B.S., M.S., Nanjing University; Ph.D., Florida State University. Rebel since 2000.

Graduate Faculty

Amei, Amei - *Full Graduate Faculty*
Associate Professor; B.S., Inner Mongolia University; M.S., University of Science and Technology of China; Ph.D., Washington University. Rebel since 2007.

Ananda, Malwane M.A. - *Full Graduate Faculty*
Professor; B.S., University of Sri Jayewardenepura; M.S., Ph.D., Purdue University. Rebel since 1990.

Bachman, Gennady - *Full Graduate Faculty*
Professor; B.A., Temple University; Ph.D., University of Illinois at Urbana-Champaign. Rebel since 1991.

Baragar, Arthur - *Full Graduate Faculty*
Professor; B.S., University of Alberta; Ph.D., Brown University. Rebel since 1997.

Bhatnagar, Satish C. - *Full Graduate Faculty*
Professor; B.A. (Honors), M.A., Panjab University, India; M.A., Ph.D., Indiana University. Rebel since 1974.

Burke, Douglas - *Full Graduate Faculty*
Associate Professor; B.S., University of Wisconsin, Madison; M.A., University of California, Berkeley; Ph.D., University of California, Los Angeles. Rebel since 1994.

Chen, Le - *Full Graduate Faculty*
Assistant Professor; B.S., Dalian Jiaotong University; M.S., Tsinghua University; Ph.D., École Polytechnique Fédérale de Lausanne. Rebel since 2018.

Cho, Hokwon - *Full Graduate Faculty*
Associate Professor; B.A., Korea University; M.A., Ph.D., University of California, Santa Barbara. Rebel since 1999.

Costa, David - *Full Graduate Faculty*
Professor; B.S., Federal University of Pernambuco, Recife, Brazil; Ph.D., Brown University. Rebel since 1993.

Dalpatadu, Rohan - *Full Graduate Faculty*
Associate Professor; B.S., University of Ceylon; M.S., Ph.D., Southern Illinois University at Carbondale. Rebel since 1985.

Ding, Zhonghai - *Full Graduate Faculty*
Professor; B.S., Nanjing Institute of Technology; M.S., Institute of Systems Science; Ph.D., Texas A&M University. Rebel since 1995.

DuBose, Derrick - *Full Graduate Faculty*
Associate Professor; B.A., California State University, Long Beach; M.A., Ph.D., University of California, Los Angeles. Rebel since 1987.

Ghosh, Kaushik - *Full Graduate Faculty*
Associate Professor; B. Stat., M.Stat., Indian Statistical Institute; Ph.D., University of California, Santa Barbara. Rebel since 2007.

Hadjicostas, Petros - *Full Graduate Faculty*
Assistant Professor; B.S., M.S., Ph.D., Carnegie Mellon University. Rebel since 2018.

Ho, Chih-Hsiang - *Full Graduate Faculty*
 Professor; B.S., National Central University; M.S.,
 New Mexico Highlands University; M.S., Ph.D.,
 University of Minnesota. Rebel since 1986.

Li, Xin - *Full Graduate Faculty*
 Associate Professor; B.S., M.S., Jilin University, China;
 Ph.D., Texas A&M University. Rebel since 1992.

Marcozzi, Michael - *Full Graduate Faculty*
 Associate Professor; B.S., M.S., Ph.D.,
 University of Delaware. Rebel since 1997.

Muleshkov, Angel - *Full Graduate Faculty*
 Associate Professor; M.S., Ph.D., University
 of Washington. Rebel since 1989.

Neda, Monika - *Full Graduate Faculty*
 Associate Professor; B.S., University of Novi Sad;
 Ph.D., University of Pittsburgh. Rebel since 2007.

Phanord, Dieudonné D. - *Full Graduate Faculty*
 Professor; B.S., Gordon College; M.S., Ph.D.,
 University of Illinois at Chicago. Rebel since 2002.

Robinette, Michelle - *Full Graduate Faculty*
 Associate Professor; B.S., M.A., Ph.D., Western
 Michigan University. Rebel since 1996.

Salehi, Ebrahim - *Full Graduate Faculty*
 Professor; B.S., University of Tehran; M.S.,
 Institute of Mathematics, Tehran; M.S., Ph.D.,
 University of Washington. Rebel since 1985.

Savatorova, Viktoria
 Assistant Professor; B.S., Moscow Institute of Physics and
 Technology; M.S., Ph.D., Moscow Engineering Institute
 (MEPhI); D.Sc., Higher Attestation Commission of Ministry
 of Education and Science, Russia. Rebel since 2014.

Shiue, Pete - *Full Graduate Faculty*
 Professor; B.S., National Taiwan Normal University; M.S.,
 Ph.D., Southern Illinois University. Rebel since 1985.

Sun, Pengtao - *Full Graduate Faculty*
 Associate Professor; B.S., M.S., Shandong
 University; Ph.D. Institute of Mathematics,
 Academia Sinica. Rebel since 2007.

Tehrani, Hossein - *Full Graduate Faculty*
 Associate Professor; B.S., Sharif University of
 Technology; M.S., Ph.D., Courant Institute of
 Mathematical Sciences. Rebel since 1997.

Verma, Sadanand - *Full Graduate Faculty*
 Professor; B.S., Patna University, India; M.S.,
 Bihar University, India; M.S., Ph.D., Wayne
 State University. Rebel since 1967.

Warren, Carryn - *Full Graduate Faculty*
 Associate Professor; B.S., M.S., Ph.D., Old
 Dominion University. Rebel since 2003.

Yang, Hongtao - *Full Graduate Faculty*
 Associate Professor; B.S., M.S., Jilin University;
 Ph.D., University of Alberta. Rebel since 2007.

Professors Emeriti

Aizely, Paul
 Professor; B.A., Harvard University; M.S.,
 University of Arizona; Ph.D., Arizona State
 University. UNLV Emeritus 1968-2008.

Bowman, Harold
 Emeritus Associate Professor; B.E.E., City College
 of New York; M.A., University of Oklahoma; Ph.D.,
 Arizona State University. UNLV Emeritus 1972-1999.

Graham, Malcolm
 Emeritus Professor; B.S., New Jersey State
 College; M.S., University of Massachusetts; Ed.D.,
 Columbia University. UNLV Emeritus 1956-1985.

Miel, George, J.
 Emeritus Professor; B.S., M.S., University of
 Illinois; Ph.D., University of Wyoming. UNLV
 Emeritus 1977-1985 & 1991-2006.

Nietling, Lloyd
 Emeritus Associate Professor; B.A., St. Mary
 of the Plains College; B.S., Aquinas College;
 M.A., University of Michigan; Ph.D., Ohio State
 University. UNLV Emeritus 1967-1992.

Plans

Master of Science - Mathematical Sciences

Doctor of Philosophy - Mathematical Sciences

Dual Degree: Master of Science in Engineering - Electrical
 Engineering & Master of Science - Mathematical Sciences
 (see Electrical and Computer Engineering programs)

Dual Degree: Master of Arts - Economics & Master of
 Science - Mathematical Sciences (see Economics
 programs)

Dual Degree: Doctor of Philosophy - Electrical Engineering
 & Master of Science - Mathematical Sciences (see
 Electrical and Computer Engineering programs)

Master of Science - Mathematical Sciences

Plan Description

The degree is a well-established MS program with
 concentrations in Applied Math, Pure Math, Applied
 Statistics, and Math Education to serve students in many
 different areas of Mathematical Sciences.

The concentrations in Pure Math, Applied Math and Applied
 Statistics each include a core requirement corresponding
 to the given area. Additional credits are required so that
 students can develop knowledge in a field of interest. All
 three require the student to either defend a thesis or pass
 a written comprehensive exam corresponding to the core
 requirements.

The teaching mathematics concentration requires a
 variety of content courses, as well as, education courses.
 The degree options for the teaching math concentration
 include the opportunity to write a professional paper.

*For more information about your program, including your
 graduate program handbook and learning outcomes
 please visit the Degree Directory.*

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College
 website.

1. All domestic and international applicants must review

and follow the Graduate College Admission and Registration Requirements.

2. Have a bachelor's degree with a minimum GPA of 2.75 for all undergraduate work or a minimum GPA of 3.00 for the last two years of undergraduate work, and completed at least 18 credits of upper-division mathematics or statistics courses beyond calculus.
3. Submit application materials to both the Graduate College and the Department of Mathematical Sciences.
 - a. Firstly, applicants must submit to the Graduate College the following materials:
 - i. A completed online application
 - ii. Submit official transcripts from all post-secondary institutions attended
 - b. Secondly, applicants must submit to the Department of Mathematical Sciences the following materials:
 - i. Copies of all transcripts sent to the Graduate College
 - ii. At least two letters of recommendation from persons familiar with the applicant's academic record and potential for advanced study in mathematical sciences
 - iii. A statement of purpose describing the aim in applying for graduate study, the particular area of specialization within the mathematical sciences (if known), and any additional information that may aid the selection committee in evaluating the applicant's preparation and aptitude for graduate study
 - iv. A completed online Graduate Assistantship application, if interested

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

See Subplan Requirements below.

Subplan 1 Requirements: Pure Mathematics - Thesis Track

Total Credits Required: 33

Course Requirements

Analysis Courses – Credits: 6

Complete two of the following courses:

- MAT 707 - Real Analysis I
- MAT 708 - Real Analysis II
- MAT 709 - Complex Function Theory I
- MAT 710 - Complex Function Theory II

- MAT 771 - Applied Analysis I
- MAT 772 - Applied Analysis II

Algebra Course – Credits: 3

Complete one of the following courses:

- MAT 703 - Abstract Algebra III
- MAT 704 - Abstract Algebra IV
- MAT 753 - Homological Algebra
- MAT 754 - Homological Algebra
- MAT 755 - Topics in Algebra

Area of Emphasis Courses – Credits: 6

Complete an additional 6 credits of 700-level MAT courses (excluding MAT 711 & 712) in a field of special interest.

Elective Courses – Credits: 12

Complete 12 credits of 600- or 700-level MAT or STA courses (excluding MAT 711 & 712), or other advisor-approved courses.

Thesis – Credits: 6

- MAT 791 - Thesis

Degree Requirements

1. Students must complete a minimum of 33 credit hours with a minimum GPA of 3.00.
2. Of the 33 required credits, 27 must be coursework. Of those 27 coursework credits, at least 18 must be 700-level.
3. A student will be placed on academic probation if a minimum of 3.00 GPA is not maintained in all work taken in the degree program. A grade of C or less in one graduate-level course will cause a student to be placed on academic probation and will elicit a critical review of the student's program by the Graduate Studies Committee. Students who fail to meet the conditions of their probation will be separated.
4. In consultation with his/her advisor, a student will organize a thesis committee of at least three departmental members. In addition, a fourth member from outside the department, known as the Graduate College Representative, must be appointed. An additional committee member may be added at the student and department's discretion. Please see Graduate College policy for committee appointment guidelines.

Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
2. The student must submit and successfully defend his/her thesis by the posted deadline. The defense must be advertised and is open to the public.

3. After the thesis defense, the student must electronically submit a properly formatted pdf copy of their thesis to the Graduate College for format check. Once the thesis format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for thesis defenses, format check submissions, and the final ProQuest submission can be found here.

*Subplan 2 Requirements: Pure Mathematics
- Comprehensive Exam Track*

Total Credits Required: 30

Course Requirements

Analysis Courses – Credits: 6

Complete two of the following courses:

- MAT 707 - Real Analysis I
- MAT 708 - Real Analysis II
- MAT 709 - Complex Function Theory I
- MAT 710 - Complex Function Theory II
- MAT 771 - Applied Analysis I
- MAT 772 - Applied Analysis II

Algebra Course – Credits: 3

Complete one of the following courses:

- MAT 703 - Abstract Algebra III
- MAT 704 - Abstract Algebra IV
- MAT 753 - Homological Algebra
- MAT 754 - Homological Algebra
- MAT 755 - Topics in Algebra

Area of Emphasis Courses – Credits: 6

Complete an additional 6 credits of 700-level MAT courses (excluding MAT 711 & 712) in a field of special interest.

Elective Courses – Credits: 15

Complete 15 credits of 600- or 700-level MAT or STA courses (excluding MAT 711 & 712), or other advisor-approved courses.

Degree Requirements

1. Students must complete a minimum of 30 credit hours with a minimum GPA of 3.00.
2. Of the 30 required credits, at least 18 must be 700-level.
3. A student will be placed on academic probation if a minimum of 3.00 GPA is not maintained in all work taken in the degree program. A grade of C or less in one graduate-level course will cause a student to be placed on academic probation and will elicit a critical review of the student's program by the Graduate Studies Committee.

4. In consultation with his/her advisor, a student will organize an advisory committee of at least three departmental members. In addition, a fourth member from outside the department, known as the Graduate College Representative, must be appointed. An additional committee member may be added at the student and department's discretion. Please see Graduate College policy for committee appointment guidelines.

Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
2. The student must pass a final comprehensive examination.

*Subplan 3 Requirements: Applied
Mathematics - Thesis Track*

Total Credits Required: 33

Course Requirements

Required Courses – Credits: 6

Complete two of the following courses:

- MAT 707 - Real Analysis I
- MAT 708 - Real Analysis II
- MAT 709 - Complex Function Theory I
- MAT 710 - Complex Function Theory II
- MAT 771 - Applied Analysis I
- MAT 772 - Applied Analysis II

Numerical Analysis Course – Credits: 3

Complete one of the following courses:

- MAT 663 - Advanced Matrix Theory and Applications
- MAT 765 - Advanced Numerical Analysis
- MAT 767 - Topics in Numerical Analysis

Applied and Computational Courses – Credits: 6

Complete 6 credits of 700-level advisor-approved MAT coursework in applied and computational mathematics.

Elective Courses – Credits: 12

Complete 12 credits of 600- or 700-level MAT or STA courses (excluding MAT 711 & 712), or other advisor-approved courses.

Thesis – Credits: 6

- MAT 791 - Thesis

Degree Requirements

1. Students must complete a minimum of 30 credit hours with a minimum GPA of 3.00.
2. Of the 33 required credits, 27 must be coursework.

Of those 27 coursework credits, at least 18 must be 700-level.

3. A student will be placed on academic probation if a minimum of 3.00 GPA is not maintained in all work taken in the degree program. A grade of C or less in one graduate-level course will cause a student to be placed on academic probation and will elicit a critical review of the student's program by the Graduate Studies Committee.
4. In consultation with his/her advisor, a student will organize a thesis committee of at least three departmental members. In addition, a fourth member from outside the department, known as the Graduate College Representative, must be appointed. An additional committee member may be added at the student and department's discretion. Please see Graduate College policy for committee appointment guidelines.

Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
2. The student must submit and successfully defend his/her thesis by the posted deadline. The defense must be advertised and is open to the public.
3. After the thesis defense, the student must electronically submit a properly formatted pdf copy of their thesis to the Graduate College for format check. Once the thesis format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for thesis defenses, format check submissions, and the final ProQuest submission can be found here.

Subplan 4 Requirements: Applied Mathematics - Comprehensive Exam Track

Total Credits Required: 30

Course Requirements

Required Courses – Credits: 6

Complete two of the following courses:

- MAT 707 - Real Analysis I
- MAT 708 - Real Analysis II
- MAT 709 - Complex Function Theory I
- MAT 710 - Complex Function Theory II
- MAT 771 - Applied Analysis I
- MAT 772 - Applied Analysis II

Numerical Analysis Course – Credits: 3

Complete one of the following courses:

- MAT 765 - Advanced Numerical Analysis

- MAT 767 - Topics in Numerical Analysis
- MAT 663 - Advanced Matrix Theory and Applications

Applied and Computational Courses – Credits: 6

Complete 6 credits of 700-level advisor-approved MAT coursework in applied and computational mathematics.

Elective Courses – Credits: 15

Complete 15 credits of 600- or 700-level MAT or STA courses (excluding MAT 711 & 712), or other advisor-approved courses.

Degree Requirements

1. Students must complete a minimum of 30 credit hours with a minimum GPA of 3.00.
2. Of the 30 required credits, at least 18 must be 700-level.
3. A student will be placed on academic probation if a minimum of 3.00 GPA is not maintained in all work taken in the degree program. A grade of C or less in one graduate-level course will cause a student to be placed on academic probation and will elicit a critical review of the student's program by the Graduate Studies Committee.
4. In consultation with his/her advisor, a student will organize an advisory committee of at least three departmental members. In addition, a fourth member from outside the department, known as the Graduate College Representative, must be appointed. An additional committee member may be added at the student and department's discretion. Please see Graduate College policy for committee appointment guidelines.

Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
2. The student must successfully complete a final comprehensive examination.

Subplan 5 Requirements: Applied Statistics - Thesis Track

Total Credits Required: 33

Course Requirements

Required Courses – Credits: 6

- MAT 657 - Introduction to Real Analysis I
- MAT 663 - Advanced Matrix Theory and Applications

Core Courses – Credits: 12

- STA 761 - Regression Analysis I
- STA 762 - Regression Analysis II
- STA 767 - Mathematical Statistics I

- STA 768 - Mathematical Statistics II

Statistics Courses – Credits: 6

Complete an additional 6 credits of 700-level STA coursework in a field of special interest to the student.

Elective Courses – Credits: 3

Complete 3 credits of 600- or 700-level MAT or STA courses (excluding MAT 711 & 712), or other advisor-approved courses.

Thesis – Credits: 6

- STA 791 - Thesis

Degree Requirements

1. Students must complete a minimum of 30 credit hours with a minimum GPA of 3.00.
2. Of the 33 required credits, 27 must be coursework. Of those 27 coursework credits, at least 18 must be 700-level.
3. A student will be placed on academic probation if a minimum of 3.00 GPA is not maintained in all work taken in the degree program. A grade of C or less in one graduate-level course will cause a student to be placed on academic probation and will elicit a critical review of the student's program by the Graduate Studies Committee.
4. In consultation with his/her advisor, a student will organize a thesis committee of at least three departmental members. In addition, a fourth member from outside the department, known as the Graduate College Representative, must be appointed. An additional committee member may be added at the student and department's discretion. Please see Graduate College policy for committee appointment guidelines.

Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
2. The student must submit and successfully defend his/her thesis by the posted deadline. The defense must be advertised and is open to the public.
3. After the thesis defense, the student must electronically submit a properly formatted pdf copy of their thesis to the Graduate College for format check. Once the thesis format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for thesis defenses, format check submissions, and the final ProQuest submission can be found here.

*Subplan 6 Requirements: Applied Statistics
- Comprehensive Exam Track*

Total Credits Required: 30

Course Requirements

Required Courses – Credits: 6

- MAT 657 - Introduction to Real Analysis I
- MAT 663 - Advanced Matrix Theory and Applications

Core Courses – Credits: 12

- STA 761 - Regression Analysis I
- STA 762 - Regression Analysis II
- STA 767 - Mathematical Statistics I
- STA 768 - Mathematical Statistics II

Statistics Courses – Credits: 6

Complete an additional 6 credits of 700-level STA coursework in a field of special interest to the student.

Elective Courses – Credits: 6

Complete 6 credits of 600- or 700-level MAT or STA courses (excluding MAT 711 & 712), or other advisor-approved courses.

Degree Requirements

1. Students must complete a minimum of 30 credit hours with a minimum GPA of 3.00.
2. Of the 30 required credits, 27 must be coursework. Of those 27 coursework credits, at least 18 must be 700-level.
3. A student will be placed on academic probation if a minimum of 3.00 GPA is not maintained in all work taken in the degree program. A grade of C or less in one graduate-level course will cause a student to be placed on academic probation and will elicit a critical review of the student's program by the Graduate Studies Committee.
4. In consultation with his/her advisor, a student will organize an advisory committee of at least three departmental members. In addition, a fourth member from outside the department, known as the Graduate College Representative, must be appointed. An additional committee member may be added at the student and department's discretion. Please see Graduate College policy for committee appointment guidelines.

Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
2. The student must pass a final comprehensive examination.

*Subplan 7 Requirements: Teaching
Mathematics - Professional Paper Track*

Total Credits Required: 30

Course Requirements

Required Courses – Credits: 9

- MAT 711 - Survey of Mathematical Problems I
- MAT 712 - Survey of Mathematical Problems II
- MAT 714 - History of Mathematics

Algebra Course – Credits: 3

Complete one of the following courses:

- MAT 653 - Abstract Algebra I
- MAT 654 - Abstract Algebra II
- MAT 655 - Elementary Theory of Numbers I
- MAT 669 - Combinatorics I
- MAT 670 - Combinatorics II
- MAT 703 - Abstract Algebra III
- MAT 704 - Abstract Algebra IV

Analysis Course – Credits: 3

Complete one of the following courses:

- MAT 657 - Introduction to Real Analysis I
- MAT 658 - Introduction to Real Analysis II
- MAT 659 - Elementary Complex Analysis
- MAT 688 - Partial Differential Equations
- MAT 707 - Real Analysis I
- MAT 708 - Real Analysis II
- MAT 709 - Complex Function Theory I
- MAT 710 - Complex Function Theory II

Foundations Course – Credits: 3

Complete one of the following courses:

- MAT 651 - Foundations of Mathematics I
- MAT 652 - Foundations of Mathematics II
- MAT 680 - College Geometry
- MAT 683 - General Topology I
- MAT 684 - General Topology II
- MAT 701 - Foundations of Mathematics III
- MAT 702 - Foundations of Mathematics IV

Education Courses – Credits: 6

Complete two of the following courses:

- CIS 622 - Instructional Middle School Mathematics Education
- CIS 624 - Instruction Secondary Mathematics Education
- CIG 620 - Principles of Learning Mathematics

Elective Courses – Credits: 3

Complete 3 credits of 600- or 700-level MAT or STA courses, or other advisor-approved courses.

Professional Paper – Credits: 3

- MAT 793 - Teaching Concentration Professional Paper Research

Degree Requirements

1. Students must complete a minimum of 30 credit hours with a minimum GPA of 3.00.
2. Of the 30 required credits, 27 must be coursework. Of those 27 coursework credits, at least 15 must be 700-level.
3. A student will be placed on academic probation if a minimum of 3.00 GPA is not maintained in all work taken in the degree program. A grade of C or less in one graduate-level course will cause a student to be placed on academic probation and will elicit a critical review of the student's program by the Graduate Studies Committee.
4. In consultation with his/her advisor, a student will organize an advisory committee of at least three departmental members. In addition, a fourth member from outside the department, known as the Graduate College Representative, must be appointed. An additional committee member may be added at the student and department's discretion. Please see Graduate College policy for committee appointment guidelines.

Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
2. The student must successfully complete and defend a professional paper.

Subplan 8 Requirements: Teaching Mathematics - Comprehensive Exam Track

Total Credits Required: 30

Course Requirements

Required Courses – Credits: 9

- MAT 711 - Survey of Mathematical Problems I
- MAT 712 - Survey of Mathematical Problems II
- MAT 714 - History of Mathematics

Algebra Course – Credits: 3

Complete one of the following courses:

- MAT 653 - Abstract Algebra I
- MAT 654 - Abstract Algebra II
- MAT 655 - Elementary Theory of Numbers I
- MAT 669 - Combinatorics I

- MAT 670 - Combinatorics II
- MAT 703 - Abstract Algebra III
- MAT 704 - Abstract Algebra IV

Analysis Course – Credits: 3

Complete one of the following courses:

- MAT 657 - Introduction to Real Analysis I
- MAT 658 - Introduction to Real Analysis II
- MAT 659 - Elementary Complex Analysis
- MAT 688 - Partial Differential Equations
- MAT 707 - Real Analysis I
- MAT 708 - Real Analysis II
- MAT 709 - Complex Function Theory I
- MAT 710 - Complex Function Theory II

Foundations Course – Credits: 3

Complete one of the following courses:

- MAT 651 - Foundations of Mathematics I
- MAT 652 - Foundations of Mathematics II
- MAT 680 - College Geometry
- MAT 683 - General Topology I
- MAT 684 - General Topology II
- MAT 701 - Foundations of Mathematics III
- MAT 702 - Foundations of Mathematics IV

Education Courses – Credits: 6

Complete two of the following courses:

- CIS 622 - Instructional Middle School Mathematics Education
- CIS 624 - Instruction Secondary Mathematics Education
- CIG 620 - Principles of Learning Mathematics

Elective Courses – Credits: 6

Complete 6 credits of 600- or 700-level MAT or STA courses, or other advisor-approved courses.

Degree Requirements

1. Students must complete a minimum of 30 credit hours with a minimum GPA of 3.00.
2. Of the 30 required credits, 27 must be coursework. Of those 27 coursework credits, at least 15 must be 700-level.
3. A student will be placed on academic probation if a minimum of 3.00 GPA is not maintained in all work taken in the degree program. A grade of C or less in one graduate-level course will cause a student to be placed on academic probation and will elicit a critical review of the student's program by the Graduate

Studies Committee.

4. In consultation with his/her advisor, a student will organize an advisory committee of at least three departmental members. In addition, a fourth member from outside the department, known as the Graduate College Representative, must be appointed. An additional committee member may be added at the student and department's discretion. Please see Graduate College policy for committee appointment guidelines.

Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
2. The student must pass a final comprehensive examination.

Plan Graduation Requirements

Refer to your subplan for Graduation Requirements.

Doctor of Philosophy - Mathematical Sciences

Plan Description

UNLV's Mathematical Sciences Ph.D. program is Nevada's only Ph.D. program in the Mathematical Sciences. It is relatively new (established in 2005) and includes concentrations in Applied Math, Pure Math, Computational Math, and Statistics to serve students in many different areas of Mathematical Sciences.

The main part of the Ph.D. is the dissertation. The degree requirements also include: credit requirement, qualifying examination requirement, subject area breadth requirement.

The qualifying examination requirement and the subject area breadth requirement are tailored according to the area of concentration.

For more information about your program, including your graduate program handbook and learning outcomes, please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

In addition to the requirements of the Graduate College, applicants must satisfy the admission requirements of the Department of Mathematical Sciences summarized as follows. Applicants seeking direct admission to the doctoral program without a previously earned master's degree must have a minimum GPA of 3.00 for all undergraduate work or a minimum GPA of 3.25 for the last two years of undergraduate mathematics work.

Applicants with a master's degree must have a minimum GPA 3.00 for all graduate work and at least 15 credits of graduate course work in Mathematical Sciences with a grade of B or better. Applicants must submit the official score of the GRE General Test with a minimum score in the top 35% on the GRE quantitative.

To apply for admission to the Ph.D. Program, applicants must submit application materials to both the Graduate College and the Department of Mathematical Sciences.

Firstly, applicants must submit to the Graduate College the following materials:

1. A completed application form.
2. The official transcripts from all colleges and universities the student has attended.

Secondly, applicants must submit to the Department the following materials:

1. Copies of all official transcripts sent to the Graduate College.
2. At least three letters of recommendation from persons familiar with the applicant's academic record and potential for advanced study in mathematical sciences.
3. The official GRE General Test score
4. A completed application for Graduate Assistantship, if interested.
5. A statement of purpose describing the aim in applying for graduate study, the particular area of specialization within the mathematical sciences (if known), and any additional information that may aid the selection committee in evaluating preparation and aptitude for graduate study.
6. Details of the admission procedure for the Ph.D. Program can be found on the Department's web site.

All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

See subplan requirements below.

*Subplan 1 Requirements: Post-Bachelor's
- Applied Mathematics Track*

Total Credits Required: 78

Course Requirements

Required Courses Part 1– Credits: 6

Complete two analysis or two theory courses:

- MAT 707 - Real Analysis I

- MAT 708 - Real Analysis II

OR

- MAT 709 - Complex Function Theory I
- MAT 710 - Complex Function Theory II

Required Courses Part 2 – Credits: 6

Select an advisor approved 2-semester sequence from one of the following:

- MAT 717 - Analytical Solution Methods for Partial Differential Equations, I
- MAT 718 - Analytical Solution Methods for Partial Differential Equations, II

OR

- MAT 729 - Partial Differential Equations I
- MAT 730 - Partial Differential Equations II

OR

- MAT 771 - Applied Analysis I
- MAT 772 - Applied Analysis II

Subject Area Courses – Credits: 12

Complete two of the following one-year course sequences:

- MAT 703 - Abstract Algebra III
- MAT 704 - Abstract Algebra IV
- MAT 723 - Advanced Ordinary Differential Equations I
- MAT 724 - Advanced Ordinary Differential Equations II
- MAT 729 - Partial Differential Equations I
- MAT 730 - Partial Differential Equations II
- MAT 733 - Topology
- MAT 734 - Topology
- MAT 765 - Advanced Numerical Analysis
- MAT 766 - Advanced Numerical Analysis
- STA 767 - Mathematical Statistics I
- STA 768 - Mathematical Statistics II

Additional Courses – Credits: 12

Complete 12 credits of 700-level MAT or STA courses (excluding MAT 711 & 712), or other advisor-approved courses.

Elective Courses – Credits: 24

Complete 24 credits of 600- or 700-level MAT or STA courses (excluding MAT 711 & 712), or other advisor-approved courses.

Dissertation – Credits: 18

- MAT 799 - Dissertation

Degree Requirements

See Plan Degree Requirements below.

Graduation Requirements

See Plan Graduation Requirements below.

*Subplan 2 Requirements: Post-Bachelor's
- Computational Mathematics Track*

Total Credits Required: 78

Course Requirements

Required Courses Part 1 – Credits: 6

Complete two analysis or two theory courses:

- MAT 707 - Real Analysis I
- MAT 708 - Real Analysis II

OR

- MAT 709 - Complex Function Theory I
- MAT 710 - Complex Function Theory II

Required Courses Part 2 – Credits: 6

- MAT 765 - Advanced Numerical Analysis
- MAT 766 - Advanced Numerical Analysis

Subject Area Courses – Credits: 12

Complete two of the following one-year course sequences:

- MAT 703 - Abstract Algebra III
- MAT 704 - Abstract Algebra IV
- MAT 723 - Advanced Ordinary Differential Equations I
- MAT 724 - Advanced Ordinary Differential Equations II
- MAT 729 - Partial Differential Equations I
- MAT 730 - Partial Differential Equations II
- MAT 733 - Topology
- MAT 734 - Topology
- MAT 771 - Applied Analysis I
- MAT 772 - Applied Analysis II
- STA 767 - Mathematical Statistics I
- STA 768 - Mathematical Statistics II

Additional Courses – Credits: 12

Complete 12 credits of 700-level MAT or STA courses (excluding MAT 711 & 712), or other advisor-approved courses.

Elective Courses – Credits: 24

Complete 24 credits of 600- or 700-level MAT or STA courses (excluding MAT 711 & 712), or other advisor-approved courses.

Dissertation – Credits: 18

- MAT 799 - Dissertation

Degree Requirements

See Plan Degree Requirements below.

Graduation Requirements

See Plan Graduation Requirements below.

*Subplan 3 Requirements: Post-Bachelor's
- Pure Mathematics Track*

Total Credits Required: 78

Course Requirements

Required Courses Part 1 – Credits: 6

Complete two analysis or two theory courses:

- MAT 707 - Real Analysis I
- MAT 708 - Real Analysis II

OR

- MAT 709 - Complex Function Theory I
- MAT 710 - Complex Function Theory II

Required Courses Part 2 – Credits: 6

- MAT 703 - Abstract Algebra III
- MAT 704 - Abstract Algebra IV

Subject Area Courses – Credits: 12

Complete two of the following one-year course sequences:

- MAT 701 - Foundations of Mathematics III
- MAT 702 - Foundations of Mathematics IV
- MAT 717 - Analytical Solution Methods for Partial Differential Equations, I
- MAT 718 - Analytical Solution Methods for Partial Differential Equations, II
- MAT 723 - Advanced Ordinary Differential Equations I
- MAT 724 - Advanced Ordinary Differential Equations II
- MAT 733 - Topology
- MAT 734 - Topology
- MAT 771 - Applied Analysis I
- MAT 772 - Applied Analysis II
- STA 767 - Mathematical Statistics I
- STA 768 - Mathematical Statistics II

Additional Courses – Credits: 12

Complete 12 credits of 700-level MAT or STA courses (excluding MAT 711 & 712), or other advisor-approved courses.

Elective Courses – Credits: 24

Complete 24 credits of 600- or 700-level MAT or STA courses (excluding MAT 711 & 712), or other advisor-approved courses.

Dissertation – Credits: 18

- MAT 799 - Dissertation

Degree Requirements

See Plan Degree Requirements below.

Graduation Requirements

See Plan Graduation Requirements below.

Subplan 4 Requirements: Post-Bachelor's - Statistics Track

Total Credits Required: 78

Course Requirements

Required Courses Part 1 – Credits: 6

- STA 767 - Mathematical Statistics I
- STA 768 - Mathematical Statistics II

Required Courses Part 2 – Credits: 6

- STA 761 - Regression Analysis I
- STA 762 - Regression Analysis II

Subject Area Courses – Credits: 12

Complete two of the following one-year course sequences:

- STA 713 - Experimental Design
- STA 715 - Multivariate Statistical Methods
- STA 750 - Time Series Analysis
- STA 751 - Spatial Statistics
- STA 755 - Stochastic Modeling I
- STA 756 - Stochastic Modeling II
- STA 753 - Bayesian Data Analysis
- STA 765 - Statistical Decision Theory
- STA 763 - Analysis of Variance I
- STA 764 - Analysis of Variance II
- MAT 707 - Real Analysis I
- STA 731 - Probability Theory and Its Applications

Additional Courses – Credits: 12

Complete 12 credits of 700-level MAT or STA courses (excluding MAT 711 & 712), or other advisor-approved courses.

Elective Courses – Credits: 24

Complete 24 credits of 600- or 700-level MAT or STA courses (excluding MAT 711 & 712), or other advisor-approved courses.

Dissertation – Credits: 18

- STA 799 - Dissertation

Degree Requirements

See Plan Degree Requirements below.

Graduation Requirements

See Plan Graduation Requirements below.

Subplan 5 Requirements: Post-Master's - Applied Mathematics Track

Credits Required: 48

Course Requirements

Required Courses Part 1– Credits: 6

Complete two analysis or two theory courses:

- MAT 707 - Real Analysis I
- MAT 708 - Real Analysis II

OR

- MAT 709 - Complex Function Theory I
- MAT 710 - Complex Function Theory II

Required Courses Part 2 – Credits: 6

Select an advisor approved 2-semester sequence from one of the following:

- MAT 717 - Analytical Solution Methods for Partial Differential Equations, I
- MAT 718 - Analytical Solution Methods for Partial Differential Equations, II

OR

- MAT 729 - Partial Differential Equations I
- MAT 730 - Partial Differential Equations II

OR

- MAT 771 - Applied Analysis I
- MAT 772 - Applied Analysis II

Subject Area Courses – Credits: 12

Complete two of the following one-year course sequences:

- MAT 703 - Abstract Algebra III
- MAT 704 - Abstract Algebra IV
- MAT 723 - Advanced Ordinary Differential Equations I
- MAT 724 - Advanced Ordinary Differential Equations II
- MAT 729 - Partial Differential Equations I
- MAT 730 - Partial Differential Equations II
- MAT 733 - Topology
- MAT 734 - Topology
- MAT 765 - Advanced Numerical Analysis
- MAT 766 - Advanced Numerical Analysis
- STA 767 - Mathematical Statistics I
- STA 768 - Mathematical Statistics II

Elective Courses – Credits: 6

Complete 6 credits of 600- or 700-level MAT or STA courses (excluding MAT 711 & 712), or other advisor-approved courses.

Dissertation – Credits: 18

- MAT 799 - Dissertation

Degree Requirements

See Plan Degree Requirements below.

Graduation Requirements

See Plan Graduation Requirements below.

Subplan 6 Requirements: Post-Master's - Computational Mathematics Track

Total Credits Required: 48

Course Requirements

Required Courses Part 1 – Credits: 6

Complete two analysis or two theory courses:

- MAT 707 - Real Analysis I
- MAT 708 - Real Analysis II

OR

- MAT 709 - Complex Function Theory I
- MAT 710 - Complex Function Theory II

Required Courses Part 2 – Credits: 6

- MAT 765 - Advanced Numerical Analysis
- MAT 766 - Advanced Numerical Analysis

Subject Area Courses – Credits: 12

Complete two of the following one-year course sequences:

- MAT 703 - Abstract Algebra III
- MAT 704 - Abstract Algebra IV
- MAT 723 - Advanced Ordinary Differential Equations I
- MAT 724 - Advanced Ordinary Differential Equations II
- MAT 729 - Partial Differential Equations I
- MAT 730 - Partial Differential Equations II
- MAT 733 - Topology
- MAT 734 - Topology
- MAT 771 - Applied Analysis I
- MAT 772 - Applied Analysis II
- STA 767 - Mathematical Statistics I
- STA 768 - Mathematical Statistics II

Elective Courses – Credits: 6

Complete 6 credits of 600- or 700-level MAT or STA courses (excluding MAT 711 & 712), or other advisor-approved courses.

Dissertation – Credits: 18

- MAT 799 - Dissertation

Degree Requirements

See Plan Degree Requirements below.

Graduation Requirements

See Plan Graduation Requirements below.

Subplan 7 Requirements: Post-Master's - Pure Mathematics Track

Total Credits Required: 48

Course Requirements

Required Courses Part 1 – Credits: 6

Complete two analysis or two theory courses:

- MAT 707 - Real Analysis I
- MAT 708 - Real Analysis II

OR

- MAT 709 - Complex Function Theory I
- MAT 710 - Complex Function Theory II

Required Courses Part 2 – Credits: 6

- MAT 703 - Abstract Algebra III
- MAT 704 - Abstract Algebra IV

Subject Area Courses – Credits: 12

Complete two of the following one-year course sequences:

- MAT 701 - Foundations of Mathematics III
- MAT 702 - Foundations of Mathematics IV
- MAT 717 - Analytical Solution Methods for Partial Differential Equations, I
- MAT 718 - Analytical Solution Methods for Partial Differential Equations, II
- MAT 723 - Advanced Ordinary Differential Equations I
- MAT 724 - Advanced Ordinary Differential Equations II
- MAT 733 - Topology
- MAT 734 - Topology
- MAT 771 - Applied Analysis I
- MAT 772 - Applied Analysis II
- STA 767 - Mathematical Statistics I
- STA 768 - Mathematical Statistics II

Elective Courses – Credits: 6

Complete 6 credits of 600- or 700-level MAT or STA courses (excluding MAT 711 & 712), or other advisor-approved courses.

Dissertation – Credits: 18

- MAT 799 - Dissertation

Degree Requirements

See Plan Degree Requirements below.

Graduation Requirements

See Plan Graduation Requirements below.

Subplan 8 Requirements: Post-Master's - Statistics Track

Total Credits Required: 48

Course Requirements

Required Courses Part 1 – Credits: 6

- STA 767 - Mathematical Statistics I
- STA 768 - Mathematical Statistics II

Required Courses Part 2 – Credits: 6

- STA 761 - Regression Analysis I
- STA 762 - Regression Analysis II

Subject Area Courses – Credits: 12

Complete two of the following one-year course sequences:

- STA 713 - Experimental Design
- STA 715 - Multivariate Statistical Methods
- STA 750 - Time Series Analysis
- STA 751 - Spatial Statistics
- STA 755 - Stochastic Modeling I
- STA 756 - Stochastic Modeling II
- STA 753 - Bayesian Data Analysis
- STA 765 - Statistical Decision Theory
- STA 763 - Analysis of Variance I
- STA 764 - Analysis of Variance II
- MAT 707 - Real Analysis I
- STA 731 - Probability Theory and Its Applications

Elective Courses – Credits: 6

Complete 6 credits of 600- or 700-level MAT or STA courses (excluding MAT 711 & 712), or other advisor-approved courses.

Dissertation – Credits: 18

- STA 799 - Dissertation

Degree Requirements

See Plan Degree Requirements below.

Graduation Requirements

See Plan Graduation Requirements below.

Plan Degree Requirements

1. Students in a post-bachelor's track must complete a minimum of 60 credits of course work (excluding

dissertation), at least 18 of which must be at the 700-level.

2. Students in a post-master's track must complete a minimum of 30 credits of course work (excluding dissertation), at least 18 of which must be at the 700-level.
3. A student must enroll in a minimum of 18 credits of Dissertation.
4. In consultation with his/her advisor, a student will organize a dissertation committee of at least three departmental members. In addition, a fourth member from outside the department, known as the Graduate College Representative, must be appointed. An additional committee member may be added at the student and department's discretion. Please see Graduate College policy for committee appointment guidelines.
5. Qualifying Examination. The purpose of the Qualifying Examination is to measure the student's knowledge of basic graduate course work in selected areas and to make sure that the student is prepared to proceed to more advanced studies.
 - a. A doctoral student normally takes the Qualifying Examination within the second year after entering the program, based on the core courses in the student's concentration.
 - b. Doctoral students must pass the Qualifying Examination within three years.
 - c. The Qualifying Examination consists of two parts, corresponding to Required Courses Part 1 & Part 2.
 - d. A student who fails the Qualifying Examination on the first attempt will be placed on probation and must complete a second examination within the next twelve months.
 - i. A post-bachelor's track student who fails the second examination may be allowed to complete a M.S. degree with the consent of the Graduate Studies Committee. Such a student will not be permitted to seek readmission to the Doctoral Program in Mathematical Sciences at UNLV.
 - ii. A post-master's track student who fails the Qualifying Examination a second time will be separated from the program.
6. Subject Area Breadth Requirements. With the goal of encouraging students to be exposed to a broad spectrum of mathematics during their graduate studies, doctoral students are required to take at least two one-year sequence courses with a grade of B or better, in addition to the core courses tested by the Ph.D. Qualifying Examination.
7. The purpose of the Comprehensive Examination is to measure a doctoral student's knowledge of the advanced level graduate work that will be required as the student begins to do original research in his or her

area of concentration.

a. After passing the Qualifying Examination, a student will engage in the approved course work specified by the Doctoral Advisory Committee and submit to the latter a dissertation proposal.

b. Usually one year after passing the Qualifying Examination, a student will complete the Comprehensive Examination, designed and administered by the Doctoral Advisory Committee, based on the student's course work with focus on his/her ability to perform research on the dissertation proposal.

c. A student who fails the Comprehensive Examination on the first attempt must complete a second examination within the next semester. A student who fails the examination a second time will be separated from the Doctoral Program.

d. A student who has successfully passed the Comprehensive Examination will be admitted to Candidacy for the Ph.D. degree and thereby be allowed to proceed with the approved dissertation proposal.

8. 8... candidate is expected to complete a dissertation embodying the results of significant original research, which is performed independently by the student, and is acceptable to the student's advisory committee.
9. Skills in foreign languages, computer programming and/or interdisciplinary areas, dependent on the concentration of a student's program, will be determined by the Doctoral Advisory Committee and the Graduate Studies Committee in consultation with the Department Chair.
10. Dissertation Defense. After submitting to the Doctoral Advisory Committee a dissertation draft that was approved by his/her Dissertation Advisor, a candidate will defend orally the dissertation before the Doctoral Advisory Committee and any other graduate faculty members who wish to attend. The Doctoral Advisory Committee will recommend to the Graduate Coordinator/Department Chair whether the dissertation and defense are both satisfactory.
11. Specific degree requirements, including those listed above, are described in detail in the Graduate Student Handbook for the Ph.D. Program, available on the department's web site. The listing of graduate courses is constantly under review. Graduate students will automatically receive new listings. Since some courses are taught on an "on demand" basis, course prerequisites for each of the four concentrations are considered guidelines with courses roughly equivalent accepted as prerequisites, subject to approval of the Graduate Studies Committee and the student's Doctoral Advisory Committee.
12. A student will be placed on academic probation if a minimum of 3.00 GPA is not maintained in all work

taken in the degree program. A grade of C or less in one graduate-level course will cause a student to be placed on academic probation and will elicit a critical review of the student's program by the Graduate Studies Committee.

13. The Graduate College requires a minimum of 50 percent of the total credits required to complete the doctoral degree, exclusive of transferred credits and/or the dissertation, must be earned at UNLV after admission to a graduate degree program.

Plan Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
2. The student must submit and successfully defend his/her dissertation by the posted deadline. The defense must be advertised and is open to the public.
3. After the dissertation defense, the student must electronically submit a properly formatted pdf copy of their dissertation to the Graduate College for format check. Once the dissertation format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for dissertation defenses, format check submissions, and the final ProQuest submission can be found here.

Mathematical Sciences Courses

MAT 651 - Foundations of Mathematics I Credits 3

Introduction to logic, set algebra and Boolean algebra, with applications to the theory of computing machines. Notes: This course is crosslisted with MAT 451. Credit at the 600-level requires additional work. The 600-level MAT and STA courses that are normally available for graduate credit are those numbered 650 or higher; the exceptions are MAT 680, which may be counted for graduate credit in an education degree program, and STA 691, STA 693, and STA 695, which may be counted for graduate credit in a biological sciences program.

MAT 652 - Foundations of Mathematics II Credits 3

Formalization, proofs, and models of quantificational logic; axiomatics; application to mathematical theories, including set theory. Notes: This course is crosslisted with MAT 452. Credit at the 600-level requires additional work. The 600-level MAT and STA courses that are normally available for graduate credit are those numbered 650 or higher; the exceptions are MAT 680, which may be counted for graduate credit in an education degree program, and STA 691, STA 693, and STA 695, which may be counted for graduate credit in a biological sciences program.

MAT 653 - Abstract Algebra I Credits 3

Sets, functions, groups, quotient groups, homomorphism theorems, Abelian groups, rings, polynomial rings, division rings, Euclidean domains, fields and vector spaces. Notes: This course is crosslisted with MATH 453. Credit at the 600-level requires additional work. The 600-level MAT and STA courses that are normally available for graduate credit are those numbered 650 or higher; the exceptions are MAT 680, which may be counted for graduate credit in an education degree program, and STA 691, STA 693, and STA 695, which may be counted for graduate credit in a biological sciences program.

MAT 654 - Abstract Algebra II Credits 3

Sets, functions, groups, quotient groups, homomorphism theorems, Abelian groups, rings, polynomial rings, division rings, Euclidean domains, fields and vector spaces. Notes: This course is crosslisted with MATH 454. Credit at the 600-level requires additional work. The 600-level MAT and STA courses that are normally available for graduate credit are those numbered 650 or higher; the exceptions are MAT 680, which may be counted for graduate credit in an education degree program, and STA 691, STA 693, and STA 695, which may be counted for graduate credit in a biological sciences program.

MAT 655 - Elementary Theory of Numbers I Credits 3

Topics include divisibility, arithmetic functions, congruences, quadratic residues, primitive roots, Diophantine equations, continued fractions, algebraic numbers, and partitions. Notes: This course is crosslisted with MATH 455. Credit at the 600-level requires additional work. The 600-level MAT and STA courses that are normally available for graduate credit are those numbered 650 or higher; the exceptions are MAT 680, which may be counted for graduate credit in an education degree program, and STA 691, STA 693, and STA 695, which may be counted for graduate credit in a biological sciences program.

MAT 656 - Elementary Theory of Numbers II Credits 3

Topics include divisibility, arithmetic functions, congruences, quadratic residues, primitive roots, Diophantine equations, continued fractions, algebraic numbers, and partitions. Notes: This course is crosslisted with MATH 456. Credit at the 600-level requires additional work. The 600-level MAT and STA courses that are normally available for graduate credit are those numbered 650 or higher; the exceptions are MAT 680, which may be counted for graduate credit in an education degree program, and STA 691, STA 693, and STA 695, which may be counted for graduate credit in a biological sciences program.

MAT 657 - Introduction to Real Analysis I Credits 3

Topics include finite and infinite sets, axiomatic study of real numbers, topology of Cartesian spaces, sequences of functions, continuous functions, differentiation of functions of one variable. Notes: This course is crosslisted with MATH 457. Credit at the 600-level requires additional work. The 600-level MAT and STA courses that are normally available for graduate credit are those numbered 650 or higher; the exceptions are MAT 680, which may be counted for graduate credit in an education degree program, and STA 691, STA 693, and STA 695, which may be counted for graduate credit in a biological sciences program.

MAT 658 - Introduction to Real Analysis II Credits 3

Topics include uniform continuity and fixed point theorems, sequences of continuous functions, approximation theorems, Riemann-Stieltjes integral, uniform convergence and infinite integrals, series of functions, differentiation in \mathbb{R}^n . Notes: This course is crosslisted with MATH 458. Credit at the 600-level requires additional work. The 600-level MAT and STA courses that are normally available for graduate credit are those numbered 650 or higher; the exceptions are MAT 680, which may be counted for graduate credit in an education degree program, and STA 691, STA 693, and STA 695, which may be counted for graduate credit in a biological sciences program.

MAT 659 - Elementary Complex Analysis Credits 3

Complex numbers, analytic functions, contour integration, conformal mapping, applications. Notes: This course is crosslisted with MAT 459. Credit at the 600-level requires additional work. The 600-level MAT and STA courses that are normally available for graduate credit are those numbered 650 or higher; the exceptions are MAT 680, which may be counted for graduate credit in an education degree program, and STA 691, STA 693, and STA 695, which may be counted for graduate credit in a biological sciences program.

MAT 661 - Probability Theory Credits 3

Fundamental concepts of probability; random variables, binomial, Poisson, normal, chi-square, T, F and other distributions; transformations of random variables; conditional and marginal distributions; central limit theorem and concepts associated with the field of statistics. Notes: This course is crosslisted with MATH 461. Credit at the 600-level requires additional work. The 600-level MAT and STA courses that are normally available for graduate credit are those numbered 650 or higher; the exceptions are MAT 680, which may be counted for graduate credit in an education degree program, and STA 691, STA 693, and STA 695, which may be counted for graduate credit in a biological sciences program.

MAT 663 - Advanced Matrix Theory and Applications Credits 3

Rigorous mathematical treatment of orthogonal matrices, Gram-Schmidt method, Q-R factorization, least-squares fits, eigenvalues and eigenvectors, linear difference equations, systems of linear differential equations, unitary similarities, Schur's theorem, discrete Markov processes, power method, quadratic forms, singular value decompositions, pseudo-inverse, systems of linear inequalities, and simplex method. Notes: This course is crosslisted with MATH 463. Credit at the 600-level requires additional work. The 600-level MAT and STA courses that are normally available for graduate credit are those numbered 650 or higher; the exceptions are MAT 680, which may be counted for graduate credit in an education degree program, and STA 691, STA 693, and STA 695, which may be counted for graduate credit in a biological sciences program.

MAT 665 - Numerical Methods I Credits 3

Introduction to numerical mathematics and scientific computing. Topics include methods of error estimation, interpolation theory, numerical integration, and solutions of linear and non-linear equations. Emphasizes hands-on computer work based on these techniques. Notes: The 600-level MAT and STA courses that are normally available for graduate credit are those numbered 650 or higher; the exceptions are MAT 680, which may be counted for graduate credit in an education degree program, and STA 691, STA 693, and STA 695, which may be counted for graduate credit in a biological sciences program. This course is crosslisted with MATH 466. Credit at the 600-level requires additional work.

MAT 666 - Numerical Methods II Credits 3

Intermediate treatment of methods in computational linear algebra, numerical solutions of ordinary and partial differential equations, algorithmic design and analysis, and topics selected by the instructor. Notes: The 600-level MAT and STA courses that are normally available for graduate credit are those numbered 650 or higher; the exceptions are MAT 680, which may be counted for graduate credit in an education degree program, and STA 691, STA 693, and STA 695, which may be counted for graduate credit in a biological sciences program. This course is crosslisted with MATH 467. Credit at the 600-level requires additional work.

MAT 669 - Combinatorics I Credits 3

Graph models, covering circuits, graph colorings, trees and searching, general counting methods for arrangements and selections, generating functions, recurrence relations, and inclusion-exclusion. Notes: This course is crosslisted with MATH 469. Credit at the 600-level requires additional work. The 600-level MAT and STA courses that are normally available for graduate credit are those numbered 650 or higher; the exceptions are MAT 680, which may be counted for graduate credit in an education degree program, and STA 691, STA 693, and STA 695, which may be counted for graduate credit in a biological sciences program.

MAT 670 - Combinatorics II Credits 3

Advanced topics in combinatorics. Topics to be selected by the instructor. Notes: This course is crosslisted with MATH 470. Credit at the 600-level requires additional work. The 600-level MAT and STA courses that are normally available for graduate credit are those numbered 650 or higher; the exceptions are MAT 680, which may be counted for graduate credit in an education degree program, and STA 691, STA 693, and STA 695, which may be counted for graduate credit in a biological sciences program.

MAT 680 - College Geometry Credits 3

Study of advanced geometrical topics using the methods of proof of elementary geometry. Notes: This course is crosslisted with MATH 480. Credit at the 600-level requires additional work. The 600-level MAT and STA courses that are normally available for graduate credit are those numbered 650 or higher; the exceptions are MAT 680, which may be counted for graduate credit in an education degree program, and STA 691, STA 693, and STA 695, which may be counted for graduate credit in a biological sciences program.

MAT 683 - General Topology I Credits 3

Topological spaces, nets and filters, compactness, continuous functions, product and quotient spaces, introduction to algebraic topology. Notes: This course is crosslisted with MATH 483. Credit at the 600-level requires additional work. The 600-level MAT and STA courses that are normally available for graduate credit are those numbered 650 or higher; the exceptions are MAT 680, which may be counted for graduate credit in an education degree program, and STA 691, STA 693, and STA 695, which may be counted for graduate credit in a biological sciences program.

MAT 684 - General Topology II Credits 3

Topological spaces, nets and filters, compactness, continuous functions, product and quotient spaces, introduction to algebraic topology. Notes: This course is crosslisted with MATH 484. Credit at the 600-level requires additional work. The 600-level MAT and STA courses that are normally available for graduate credit are those numbered 650 or higher; the exceptions are MAT 680, which may be counted for graduate credit in an education degree program, and STA 691, STA 693, and STA 695, which may be counted for graduate credit in a biological sciences program.

MAT 688 - Partial Differential Equations Credits 3

Method of separation of variables, Fourier series, divergence theorem and Green's identities, equations of mathematical physics, initial and initial boundary value problems, well-posedness, heat conduction in a thin rod, vibrations of a string, Laplace's equation, solution of the Dirichlet problem for a disc and for a rectangle. This course is crosslisted with MATH 488. Coursework at the 600-level requires additional work. Formerly MAT 687 Notes: The 600-level MAT and STA courses that are normally available for graduate credit are those numbered 650 or higher; the exceptions are MAT 680, which may be counted for graduate credit in an education degree program, and STA 691, STA 693, and STA 695, which may be counted for graduate credit in a biological sciences program.

MAT 690 - Independent Study Credits 3

Library research and reports on topics of mathematical interest. Notes: This course is crosslisted with MAT 499. Credit at the 600-level requires additional work. The 600-level MAT and STA courses that are normally available for graduate credit are those numbered 650 or higher; the exceptions are MAT 680, which may be counted for graduate credit in an education degree program, and STA 691, STA 693, and STA 695, which may be counted for graduate credit in a biological sciences program.

MAT 701 - Foundations of Mathematics III Credits 3

Selection from the following topics: model theory, recursive function theory, set theory, mathematics of metamathematics. Prerequisites: MAT 652

MAT 702 - Foundations of Mathematics IV Credits 3

Selection from the following topics: model theory, recursive function theory, set theory, mathematics of metamathematics. Prerequisites: MAT 652

MAT 703 - Abstract Algebra III Credits 3

Detailed study of the following algebraic structures: groups, rings and ideals, fields, modules, and Galois theory. Prerequisites: A year of undergraduate abstract algebra or consent of instructor.

MAT 704 - Abstract Algebra IV Credits 3

Detailed study of the following algebraic structures: groups, rings and ideals, fields, modules, and Galois theory. Prerequisites: A year of undergraduate abstract algebra or consent of instructor.

MAT 707 - Real Analysis I Credits 3

Theory of measure, integration and differentiation: Banach spaces; Hilbert spaces; spaces of continuous functions. Prerequisites: MAT 658

MAT 708 - Real Analysis II Credits 3

Theory of measure, integration and differentiation: Banach spaces; Hilbert spaces; spaces of continuous functions. Prerequisites: MAT 658

MAT 709 - Complex Function Theory I Credits 3

Analytic functions, conformal mappings, Cauchy's theorem, power series, Laurent series, the Riemann mapping theorem, harmonic functions, subharmonic functions, canonical mappings of multiply connected regions, analytic continuation. Prerequisites: MAT 657 or MAT 659 or equivalent.

MAT 710 - Complex Function Theory II Credits 3

Analytic functions, conformal mappings, Cauchy's theorem, power series, Laurent series, the Riemann mapping theorem, harmonic functions, subharmonic functions, canonical mappings of multiply connected regions, analytic continuation. Prerequisites: MAT 657 or MAT 659 or equivalent.

MAT 711 - Survey of Mathematical Problems I Credits 3

Selected topics from logical reasoning, probability, combinatorics, graph theory, codes, number theory, constructibility, game theory, limits, functions, set theory and foundations, and plane geometry. Problem solving and techniques of proof emphasized throughout. Connections made between the mathematics of this course and secondary education mathematics. Prerequisites: Graduate standing and consent of instructor.

MAT 712 - Survey of Mathematical Problems II Credits 3

Continuation of topics listed for MAT 711 with emphasis on problem solving and techniques of proof. Again, connections made between the mathematical content of this course and mathematical content for secondary education. Prerequisites: MAT 711 or consent of instructor.

MAT 714 - History of Mathematics Credits 3

Historical development of mathematics from primitive origins to the present time. Lives of many mathematicians and their contributions to the development of mathematics. Prerequisites: Graduate standing and consent of instructor.

MAT 716 - Integrative Mathematical Topics Credits 3

Survey of mathematical topics in an integrative manner. The topics may cover theory and applications in long stretches including probability and statistics; combinatorics, number theory and algebra; geometry and topology; ODE and PDE; computation and numerical analysis; Real and complex analysis. Prerequisites: At least nine credits at 600-level as required in Requirement #1.

MAT 717 - Analytical Solution Methods for Partial Differential Equations, I Credits 3

Covers the basic theory and methods for solving linear partial differential equations. Emphasis on introducing various techniques to obtain analytical solutions of linear partial differential equations. Techniques include: Method of separation of variables; Fourier transform method; Laplace transform method; Green's function method, etc. Prerequisites: MAT 487/687, or MAT 458/658, or consent of instructor.

MAT 718 - Analytical Solution Methods for Partial Differential Equations, II Credits 3

Covers the basic theory and methods for solving nonlinear partial differential equations. Emphasise on introducing various techniques to obtain analytical solutions. Techniques include: Generalized method of characteristics, method of shock wave solution, method of travelling wave solution, perturbation method, method of similarity solution, etc. Prerequisites: MAT 487/687, or MAT 717, or consent of instructor.

MAT 719 - Graph Theory I Credits 3

Advanced graduate level study of the topics: adjacency and incidence matrices, nonseparable graphs, trees, connectivity, edge-connectivity, Eulerian graphs, Hamiltonian graphs, line graphs, strong digraphs, groups and graphs, Cayley color graph, Reconstruction Problem, planar graphs, graph embeddings, crossing number, genus, and maximum genus. Prerequisites: MAT 670 or consent of instructor.

MAT 720 - Graph Theory II Credits 3

Advanced graduate level study of the topics: graph and map colorings, chromatic polynomials, matchings and independence in graphs, factorizations and decomposition, domination, extremal graph theory, and Ramsey theory. Prerequisites: MAT 719

MAT 723 - Advanced Ordinary Differential Equations I Credits 3

Functional analysis; Frechet calculus; existence and uniqueness theorems for initial and boundary value problems; qualitative properties of solutions, particularly of linear equations. Prerequisites: MAT 671-672 or MAT 673-674

MAT 724 - Advanced Ordinary Differential Equations II Credits 3

Topics to be selected from the following: Sturm-Liouville theory, stability theory, perturbation theory, numerical methods, the theory of invariant imbedding and functional differential equations. Prerequisites: MAT 723

MAT 729 - Partial Differential Equations I..... Credits 3

Linear and nonlinear first order PDEs. Heat, wave and Laplace equations. Classical representation formulas in one and more dimensions. Properties of solutions: maximum principles, energy methods, uniqueness and regularity considerations. Prerequisites: MAT 687 or MAT 717

MAT 730 - Partial Differential Equations II.... Credits 3

Develops a functional analytical framework which will give students a deeper understanding of the subject matter. Topics include Sobolev and Holder spaces, embedding inequalities, weak solutions, regularity and maximum principles. Prerequisites: MAT 708 and MAT 729, or consent of instructor.

MAT 731 - Mathematical Modeling Credits 3

Process and techniques of mathematical modeling with an emphasis on differential equations based models, though other models may also be considered. Applications selected from physical, biological and social sciences. Modeling projects based on student interests. Symbolic computation software. Prerequisites: MAT 687 or MAT 717 or consent of instructor.

MAT 733 - Topology Credits 3

Selected topics from algebraic and point-set topology with emphasis on algebraic topology. Prerequisites: MAT 684 or consent of instructor.

MAT 734 - Topology Credits 3

Selected topics from algebraic and point-set topology with emphasis on algebraic topology. Prerequisites: MAT 684 or consent of instructor.

MAT 736 - Lightning Radiative Transfer I Credits 3

The analysis of lightning events: cloud-to-ground and intra-cloud discharges, ground and space detection of lightning. Prerequisites: MAT 729 or consent of instructor.

MAT 737 - Lightning Radiative Transfer II Credits 3

Diffusion propagation of Lightning, transport phenomena, and applications of advanced Twersky scattering through clouds.

MAT 751 - Topics in Foundations of Mathematics Credits 3

Topics selected by the instructor. Notes: May be repeated for credit with the consent of the mathematics department. Except under special circumstances, total credits limited to six credits. Prerequisites: MAT 701, MAT 702

MAT 753 - Homological Algebra Credits 3

Modules, categories and factors, tensors, Hom, Tor, Ext, the dimensions of rings and modules, derived factors, cohomology of groups and algebras. Prerequisites: MAT 703-704 or consent of instructor.

MAT 754 - Homological Algebra Credits 3

Modules, categories and factors, tensors, Hom, Tor, Ext, the dimensions of rings and modules, derived factors, cohomology of groups and algebras. Prerequisites: MAT 703-704 or consent of instructor.

MAT 755 - Topics in Algebra Credits 3

Topics selected by the instructor. Notes: May be repeated for credit with the consent of the mathematics department. Except under special circumstances, total credits limited to six. Prerequisites: MAT 703, MAT 704 or consent of instructor.

MAT 756 - Arithmetic on Elliptic Curves Credits 3

The group structure of elliptic curves over the reals, complex numbers, the rationals, number fields, and finite fields; Bezout's theorem and its applications; projective geometry; genus; Mordell's theorem; points of finite order; and heights. Additional topics may include complex multiplication; modular forms; and factoring using elliptic curves. Prerequisites: MAT 653 and 654, or equivalent.

MAT 757 - Topics in Analysis Credits 3

Topics selected by the instructor. Notes: May be repeated for credit with the consent of the mathematics department. Except under special circumstances, total credits limited to six. Prerequisites: MAT 707, MAT 708 or consent of instructor.

MAT 760 - Mathematical Scattering Theory and Applications I Credits 3

Scalar, vector, and tensor scattering with diverse techniques applied to earth system and space science. General Reciprocity Relations Corresponding to Different Directions of Incidence, Dyadic Scattering Theory, Two-Space Scattering Formalism of Victor Twersky, and Applications to Earth and Space Related Problems. Prerequisites: MAT 717 or MAT 729 or consent of instructor.

MAT 761 - Mathematical Scattering Theory and Applications II Credits 3

Advanced statistical mechanics and spatial statistics in relation to Twersky scattering with applications from earth system and space science. Calculation of bulk propagation parameters using both configurational and ensemble average in addition to spatial average. Application of Twersky multiple two-Space Scattering formalism to space and earth related problems. Prerequisites: MAT 760 or consent of instructor.

MAT 765 - Advanced Numerical Analysis... Credits 3

Numerical solution of ordinary and partial differential equations; advanced programming techniques; experiments with the computer. Notes: Topics selected by instructor. Three hours lecture, two hours laboratory. Prerequisites: MAT 666

MAT 766 - Advanced Numerical Analysis..... Credits 3

Numerical solution of ordinary and partial differential equations; advanced programming techniques; experiments with the computer. Notes: Topics selected by instructor. Three hours lecture, two hours laboratory. Prerequisites: MAT 666

MAT 767 - Topics in Numerical Analysis Credits 3

Topics selected by the instructor. Notes: May be repeated for credit with the consent of the mathematics department. Except under special circumstances, total credits limited to six. Prerequisites: MAT 765-766

MAT 771 - Applied Analysis I Credits 3

Functional analysis in Banach spaces and Hilbert spaces, with emphasis on computational applications. Theoretical topics to be selected from: linear functionals and operators, fixed point theorems, iterative methods, elementary spectral theory. Applications to be selected from: finite element methods, finite difference methods, approximation and interpolation, optimization algorithms. Grading Letter grade Prerequisites: MAT 658 or consent of instructor

MAT 772 - Applied Analysis II Credits 3

Functional analysis in Banach spaces and Hilbert spaces, with emphasis on computational applications. Theoretical topics to be selected from: linear functionals and operators, fixed point theorems, iterative methods, elementary spectral theory. Applications to be selected from: finite element methods, finite difference methods, approximation and interpolation, optimization algorithms. Grading Letter grade Prerequisites: MAT 771 or consent of instructor.

MAT 775 - Calculus of Variations Credits 3

Variation of functionals, Euler-Lagrange equation, general variations, broken extremals, Weierstrass-Erdmann conditions, canonical forms, Noether's theorem, Hamilton- Jacobi equations, Legendre's condition, conjugate points, fields, E-function, sufficient conditions for extrema, Pontryagin's principle, introduction to linear and non-linear optimal control theory. Prerequisites: MATH 428 or 658 or consent of instructor.

MAT 776 - Topics in Applied Mathematics Credits 3

Students are presented with very advanced and important topics of applied mathematics that are not given in other graduate courses. The topics would depend on the particular instructor and the particular graduate students. Topics may be repeated but a maximum of 6 credits can apply to program. Notes: May

be repeated to a maximum of 6 credits. Prerequisites: MAT 659 or MAT 688 or consent of instructor.

MAT 781 - Advanced Graduate Workshop in Foundations Credits 3

Students are assigned advanced material to read, lecture on, and present to the class. Two years of 700-level mathematics in Foundations are required. The workshop is very time intensive, with additional weekly meetings required. Students will present polished lectures, based on their workshop presentations, at the Department's Set Theory Seminar. Notes: May be repeated to a maximum of six credits. Prerequisites: MAT 751

MAT 789 - Topics in Advanced Mathematics Credits 3

Graduate-level course in some field of mathematics, at advanced level, depending upon the current interest of the staff and the students. Notes: May be repeated to a maximum of six credits.

MAT 790 - Independent Study Credits 1 – 3

Library work and reports on topics of mathematical interest. Notes: May be repeated for credit with the consent of the mathematics department. Except under special circumstances, total credits will be limited to six.

MAT 791 - Thesis Credits 1 – 6

Research, analysis, and writing towards completion of thesis and subsequent defense. Notes: May be repeated but only six credits will be applied to the student's program. Grading S/F grading only.

MAT 793 - Teaching Concentration Professional Paper Research Credits 1 – 3

Individual research towards an applied professional paper under the direction of a faculty member. Notes: May be repeated any number of times, but no more than three credits will count towards degree requirements. Grading S/F grading only. Prerequisites: Consent of instructor.

MAT 799 - Dissertation Credits 3-6

Research analysis and writing toward completion of dissertation and subsequent defense. A minimum of 18 dissertation credits is required for a degree program. Dissertation may be repeated but only a maximum of 36 credits may be used in students degree program. Grading S/F grading only Prerequisites: Successful completion of qualifying examination and approval by department.

STA 663 - Applied Statistics for Engineers Credits 3

Elementary probability, commonly used discrete and continuous probability distributions, estimation and hypothesis testing, categorical data testing, regression, model building, analysis of variance, product and system reliability and engineering applications, and quality control. Notes: This course is crosslisted with STAT 463. Credit at the 600-level requires additional work. The 600-level MAT and STA courses that are normally available for graduate credit are those numbered 650 or higher; the exceptions are MAT 680, which may be counted for graduate credit in an education degree program, and STA 691, STA 693, and STA 695 , which may be counted for graduate credit in a biological sciences program.

STA 667 - Introduction to Mathematical Statistics I**Credits 3**

Introduction to probability theory, random variables and their probability distributions, common discrete probability models, common continuous probability models, multivariate probability distributions, functions of random variables, methods of transformations, limiting distributions, and limit theorems. Notes: This course is crosslisted with STAT 467. Credit at the 600-level requires additional work. The 600-level MAT and STA courses that are normally available for graduate credit are those numbered 650 or higher; the exceptions are MAT 680, which may be counted for graduate credit in an education degree program, and STA 691, STA 693, and STA 695, which may be counted for graduate credit in a biological sciences program.

STA 668 - Introduction to Mathematical Statistics II**Credits 3**

Sample and sampling distributions, estimation theory, evaluation of estimation, unbiased estimation, sufficiency, information inequality, methods of estimation, method of moments, maximum likelihood estimation, Bayesian estimation, confidence intervals, hypotheses testing, uniformly most powerful tests, likelihood ratio tests and related procedures, linear models, and non-parametric models. Prerequisites: STA 667 or consent of instructor.

STA 669 - Environmental Statistics I: Univariate Methods**Credits 3**

Principles of environmental sampling, testing for outliers, tests for normality, transformations for normality, sample size determinations, analysis of censored data, estimation of background contaminations, tolerance and confidence limits, calibration problem, quality control charts for data quality assessment of environmental data, statistical issues in environmental remediation, and probability of hot spot detection. Usage of statistical software packages. Notes: This course is crosslisted with STAT 469. Credit at the 600-level requires additional work. The 600-level MAT and STA courses that are normally available for graduate credit are those numbered 650 or higher; the exceptions are MAT 680, which may be counted for graduate credit in an education degree program, and STA 691, STA 693, and STA 695, which may be counted for graduate credit in a biological sciences program.

STA 690 - Independent Study**Credits 1-3**

This course, when taught by a member of the graduate faculty, may be applied to a graduate program. For listings and a course description of this 600-level course, please consult the current Undergraduate Catalog under the corresponding 400 number. Notes: The 600-level MAT and STA courses that are normally available for graduate credit are those numbered 650 or higher; the exceptions are MAT 680, which may be counted for graduate credit in an education degree program, and STA 691, STA 693, and STA 695, which may be counted for graduate credit in a biological sciences program. This course offered by another department may also be taken for graduate credit.

STA 691 - Statistics for Scientists I**Credits 3**

Frequency distributions, descriptive statistics, elementary probability; Bernoulli, binomial, and normal distributions; statistical sampling, estimation, and hypothesis testing. Notes: This course is crosslisted with STAT 491. Credit at the 600-level requires additional work. The 600-level MAT and STA courses that are normally available for graduate credit are those numbered 650 or higher; the exceptions are MAT 680, which may be counted for graduate credit in an education degree program, and STA 691, STA 693, and STA 695, which may be counted for graduate credit in a biological sciences program. This course offered by another department may also be taken for graduate credit.

STA 693 - Applied Regression Analysis**Credits 3**

Line fitting; multiple linear and curvilinear regression models; variable selection techniques and examination of residuals, estimation, testing, and prediction; simple, multiple, and partial correlation. Notes: This course is crosslisted with STAT 493. Credit at the 600-level requires additional work. The 600-level MAT and STA courses that are normally available for graduate credit are those numbered 650 or higher; the exceptions are MAT 680, which may be counted for graduate credit in an education degree program, and STA 691, STA 693, and STA 695, which may be counted for graduate credit in a biological sciences program. This course offered by another department may also be taken for graduate credit.

STA 713 - Experimental Design**Credits 3**

Fundamental principles of analysis of variance; one-way, two-way, and higher order designs; nested designs; randomized blocks; split plot designs; Latin squares; multiple comparisons; analysis of covariance. Prerequisites: MATH 181 and one of the following: STAT 411, STA 663 and STA 693.

STA 715 - Multivariate Statistical Methods**Credits 3**

Multivariate techniques with emphasis on application. Topics include multivariate analysis of variance, discriminant analysis, canonical correlation and independence, principal component analysis, factor analysis, cluster analysis and analysis of repeated measurements. Prerequisites: MATH 181, MATH 463 and one of the following: STAT 411, STA 663, STA 691.

STA 731 - Probability Theory and Its Applications**Credits 3**

Topics include: set theory, limits of sets, probability space, random variables, measurability, independence, expectation, probability inequalities, convergence, laws of large numbers, central limit theorem, moment generating functions, characteristic functions, large deviation theory, martingale theory, random walk. Prerequisites: MAT 657

STA 750 - Time Series Analysis**Credits 3**

Topics include ARMA and ARIMA processes; autocorrelation and partial autocorrelation functions; spectral density and periodogram; Yule-Walker equations; model fitting, forecasting and diagnostics; state-space models and the Kalman filter; multivariate time series; use of statistical software. Prerequisites: STA 667 or consent of instructor.

STA 751 - Spatial Statistics**Credits 3**

Stochastic process, first and second order stationarity, intrinsic hypothesis, models of spatial dependence, different forms of Kriging — Ordinary Kriging, Universal Kriging, Probability Kriging, bicubic splines, conditional simulation. Prerequisites: STA 667 or consent of instructor.

STA 753 - Bayesian Data Analysis**Credits 3**

This course will present methods for statistical modeling and data analysis from a Bayesian perspective. Topics include: Bayes' Theorem, prior and posterior distributions, computational algorithms for posterior simulation, statistical software and programming, as well as model formulation and diagnostics for linear, generalized linear, and hierarchical models. Prerequisites: STA 667 or equivalent, or consent of instructor.

STA 755 - Stochastic Modeling I**Credits 3**

Probability theory, Markov chains in discrete and continuous time, the Poisson process, renewal theory, queueing theory, reliability theory, martingales, stationary processes, statistical inference for stochastic processes, and simulation techniques. Prerequisites: STA 667 or consent of instructor.

STA 756 - Stochastic Modeling II Credits 3

Probability theory, Markov chains in discrete and continuous time, the Poisson process, renewal theory, queueing theory, reliability theory, martingales, stationary processes, statistical inference for stochastic process, and simulation techniques. Prerequisites: STA 755

STA 761 - Regression Analysis I Credits 3

Fitting a straight line, matrix theory, examining residuals, selecting the "best" fit, multiple regression, non-linear regressions, multivariate normal, estimation, classification, principal components, canonical correlation, distribution of characteristic roots. Prerequisites: STA 667 and MAT 663, or equivalent.

STA 762 - Regression Analysis II Credits 3

Fitting a straight line, matrix theory, examining residuals, selecting the "best" fit, multiple regression, non-linear regressions, multivariate normal, estimation, classification, variance-covariance matrix, testing sets of variates, principal components, canonical correlation, distribution of characteristic roots. Prerequisites: STA 667 and MAT 663 or equivalent.

STA 763 - Analysis of Variance I Credits 3

Special topics in matrix theory; noncentral chi-square, F, and t; the multivariate normal distribution; Cochran's theorem; point and interval estimation; one-, two-, three-, higher-way layouts; Latin squares, incomplete blocks and nested designs, analysis of covariance; random effects models; mixed models; randomization models. Prerequisites: STA 667 and MAT 663 or equivalent.

STA 764 - Analysis of Variance II Credits 3

Special topics in matrix theory; noncentral chi-square, F, and t; the multivariate normal distribution; Cochran's theorem; point and interval estimation; one-, two-, three-, higher-way layouts; Latin squares, incomplete blocks and nested designs, analysis of covariance; random effects models; mixed models; randomization models. Prerequisites: STA 667 and MAT 663 or equivalent.

STA 765 - Statistical Decision Theory Credits 3

Introduction to decision theory, decision rules, loss functions, risk functions, decision principles, utility theory, prior information and subjective probability, noninformative priors, the posterior distribution, conjugate families, predictive distribution, Bayesian estimators, generalized Bayes estimators, credible regions, hypothesis testing, admissibility of Bayes rules, robustness of Bayes rules, minimax analysis, invariance, Bayesian sequential analysis. Prerequisites: STA 667 or consent of instructor.

STA 767 - Mathematical Statistics I Credits 3

Basic probability theory, conditional probability, independence, random variables, probability distribution functions, distribution functions, transformations, function of random variables, expectations, moment generating functions, discrete and continuous distributions, exponential family, joint distribution, marginal distribution, modes of convergence, limiting distribution, random sample, sampling distribution, principle of data reduction. Prerequisites: STA 667 or consent of instructor.

STA 768 - Mathematical Statistics II Credits 3

Random sample, sampling theory, point estimation, sufficiency, likelihood, method of moment, maximum likelihood estimator, Bayes estimator, unbiasedness, optimality, decision theory, hypothesis testing, likelihood ratio tests, Bayes test, most powerful test, set estimation, evaluating interval estimators, sequential estimation, asymptotics, robustness, linear models. Prerequisites: STA 767

STA 777 - Survival Analysis Credits 3

Statistical methods for modeling and analysis of time to event data. Topics include survival function and hazard function; Kaplan-Meier estimator; Greenwood's formula; log-rank and weighted log-rank tests; regression modeling of survival data including proportional hazards model and accelerated failure time model; competing risks. Prerequisites: STA 768

STA 789 - Topics in Advanced Statistics Credits 3

Graduate-level course in some field of statistics, depending upon the current interest of the faculty and the students. Notes: May be repeated to a maximum of six credits.

STA 790 - Independent Study Credits 1 – 3

Library research and reports on topics of statistical interest. Notes: May be repeated to a maximum of six credits with consent of the department.

STA 791 - Thesis Credits 3 – 6

Research, analysis, and writing towards completion of thesis and subsequent defense. Notes: May be repeated but only six credits applied to the student's program. Grading S/F grading only.

STA 793 - Techniques of Statistical Consulting Credits 1 – 3

Seminar series and practicum covering technical and nontechnical aspects of statistical consulting, including skills for effective communication with clients, report writing, issues in sampling and design of experiments, and other statistical tools commonly used in a consulting setting. Notes: May be repeated to a maximum of six credits.

STA 799 - Dissertation Credits 3-6

Research analysis and writing toward completion of dissertation and subsequent defense. A minimum of 24 dissertation credits is required for the degree program. Dissertation may be repeated but only a maximum of 36 credits may be used in students degree program. Prerequisites: Successful completion of qualifying examination and approval by department.

Physics and Astronomy

The Department of Physics and Astronomy offers M.S. and Ph.D. degrees in physics, with concentrations in three research areas: laser physics, high pressure physics (in collaboration with LLNL and LANL), and condensed matter physics. The Department of Physics and Astronomy also offers M.S. and Ph.D. degrees in Astronomy. The astronomers make use of space telescopes such as the Hubble Space Telescope, Swift, Chandra X-ray Observatory and XMM-Newton Observatory, etc. to conduct research. The department's experimental research programs are supported by fully equipped laboratories and mechanical, electronic and glass shops. The department is well equipped with state-of-the-art computing facilities, which allow for performing virtually any modeling and computer simulation.

Stephen Lepp, Ph.D., Chair

Victor Kwong, Ph.D., Graduate Coordinator

Physics and Astronomy Faculty

Chair

Lepp, Stephen - *Full Graduate Faculty*

Professor; B.S., University of Minnesota; M.A., Ph.D., University of Colorado, Boulder. Rebel since 1991.

Graduate Coordinator

Kwong, Victor H. - *Full Graduate Faculty*

Professor; B.S., Queen's University; M.S., University of Windsor; Ph.D., University of Toronto. Rebel since 1984.

Graduate Faculty

Chen, Changfeng - *Full Graduate Faculty*

Professor; B.S., Ph.D., Peking University. Rebel since 1990.

Cornelius, Andrew - *Full Graduate Faculty*

Professor; B.S., Drake University; Ph.D., Washington University. Rebel since 1999.

Jeffery, David - *Full Graduate Faculty*

Assistant Professor in Residence; Ph.D., McMaster University

Kim, Eunja - *Associate Graduate Faculty*

Assistant Research Professor; MS, Ph.D., Jeonbuk National University, Korea. Rebel since 2003.

Lepp, Stephen H. - *Full Graduate Faculty*

Professor; B.S., University of Minnesota; M.A., Ph.D., University of Colorado, Boulder. Rebel since 1991.

Martin, Rebecca - *Full Graduate Faculty*

Assistant Professor; B.A., MS, Churchill College, Cambridge University UK, Ph.D., Institute of Astronomy and Jesus College, Cambridge University, UK. Rebel since 2015.

Pang, Tao - *Full Graduate Faculty*

Professor; B.S., Fudan University; Ph.D., University of Minnesota. Rebel since 1991.

Porter, Tim - *Full Graduate Faculty*

Professor; Ph.D., Arizona State University.

Pravica, Michael - *Full Graduate Faculty*

Associate Professor; B.S., Cal Tech; A.M., Ph.D., Harvard University. Rebel since 2003.

Proga, Daniel - *Full Graduate Faculty*

Professor; M.S., Nicolaus Copernicus University; Ph.D. Nicolaus Copernicus Astronomical Center. Rebel since 2005.

Rhee, George - *Full Graduate Faculty*

Associate Professor; B.A., Cambridge University; M.Sc., Leiden University; M.A., Cambridge University; Ph.D., Leiden University. Rebel since 1993.

Salamat, Ashkan - *Full Graduate Faculty*

Assistant Professor; MS, Imperial College, UK, Ph.D., University College London, UK. Rebel since 2015.

Shelton, David P. - *Full Graduate Faculty*

Professor; B.A., M.S., Ph.D., University of Manitoba. Rebel since 1988.

Steffen, Jason - *Full Graduate Faculty*

Assistant Professor; B.S., Weber State University, UT, MS, University of Washington, WA, Ph.D., University of Washington, WA. Rebel since 2015.

Zhang, Bing - *Full Graduate Faculty*

Professor; B.S., M.S., Ph.D., Peking University. Rebel since 2004.

Zhu, Qiang - *Full Graduate Faculty*

Ph.D., Stonybrook University. Rebel since 2017

Zhu, Zhaohuan - *Full Graduate Faculty*

Assistant Professor; Ph.D.; University of Michigan. Rebel since 2017

Zygelman, Bernard - *Full Graduate Faculty*

Professor; B.S., Ph.D., City College of New York. Rebel since 1990.

Professor Emeritus

Cloud, Stan

Emeritus Professor; B.S. Stanford University; M.S., Ph.D., Duke University. UNLV Emeritus 1980-2005.

Farley, John W. - *Full Graduate Faculty*

Professor; B.A., Harvard College; M.A., Ph.D., Columbia University. Rebel since 1987.

Pyper-Smith, Diane - *Full Graduate Faculty*

Associate Professor; A.B., University of California, Berkeley; Ph.D., University of California, Santa Cruz.

Weistrop, Donna E.

Emeritus Professor; B.A., Wellesley College; Ph.D., California Institute of Technology. UNLV Emeritus 1990-2005.

Zane, Len - *Full Graduate Faculty*

Emeritus Professor; B.S., City College of New York; Ph.D. Duke University. UNLV Emeritus 1973-2011.

Island, Joshua - *Full Graduate Faculty*

Assistant Professor; B.S., College of Santa Fe; B.S., University of New Mexico; M.S., Concordia University; Ph.D., Delft University of Technology, The Netherlands. Rebel since 2019.

Zhou, Yan - *Full Graduate Faculty*

Assistant Professor; B.S., Peking University; Ph.D., Massachusetts Institute of Technology. Rebel since 2020.

Plans

Master of Science - Astronomy

Master of Science - Physics

Doctor of Philosophy - Astronomy

Doctor of Philosophy - Physics

Master of Science - Astronomy

Plan Description

The purpose of the Astronomy M.S. and Ph.D. degrees are to prepare students for a career in Astronomy or Astrophysics Research or in education at the university level. The program achieves this with a custom program for each student set up by their advisor and their advising committee. At the M.S. level we have two options. A coursework M.S., wherein students take classes at the graduate level in Astronomy and pass an exam. We also offer a thesis option where students will learn to formulate, conduct and report on research.

For more information about your program, including your graduate program handbook and learning outcomes please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

1. Applicants must have an undergraduate degree in Physics, Astronomy or other related area.
2. Applicants must have a minimum grade point average (GPA) of 2.75 for all undergraduate work or a minimum 3.00 GPA for the last two years of undergraduate work.
3. Applicants must have completed 18 semester credits of upper-division physics.
4. All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

See Subplan Requirements below.

Subplan 1 Requirements: Thesis Track

Total Credits Required: 30

Course Requirements

Required Courses – Credits: 24

Complete 24 credits of 600- or 700-level AST or PHYS

courses, or other advisor-approved courses.

Thesis – Credits: 6

- PHYS 797 - Thesis

Degree Requirements

1. Complete a minimum of 30 graduate credits.
2. Complete a minimum of 15 credits (excluding thesis) in 700-level astronomy or physics courses.
3. A GPA of 3.00 or better is required in all course work which is part of the degree program.
4. In consultation with his/her advisor, a student will organize a thesis committee of at least three departmental members. In addition, a fourth member from outside the department, known as the Graduate College Representative, must be appointed. An additional committee member may be added at the student and department's discretion. Please see Graduate College policy for committee appointment guidelines.

Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
2. The student must successfully complete and defend a thesis by the posted deadline. The defense must be advertised and is open to the public.
3. After the thesis defense, the student must electronically submit a properly formatted pdf copy of their thesis to the Graduate College for format check. Once the thesis format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for thesis defenses, format check submissions, and the final ProQuest submission can be found here.

Subplan 2 Requirements: Non-Thesis Track

Total Credits Required: 30

Course Requirements

Required Courses – Credits: 6

- AST 713 - Astrophysics I
- AST 714 - Astrophysics II

Core Courses – Credits: 6

Complete two of the following courses:

- AST 710 - Observational Astronomy Techniques
- AST 721 - Astrophysics of Gaseous Nebulae and Active Galactic Nuclei
- AST 725 - High Energy Astrophysics
- AST 727 - Cosmology
- AST 747 - Interstellar Medium

- PHYS 771 - Advanced Topics in Experimental and Theoretical Physics

Elective Courses – Credits: 18

Complete 18 credits of 600- or 700-level AST or PHYS courses, or other advisor-approved courses.

Degree Requirements

1. Complete a minimum of 30 graduate level credits in physics, astronomy, or related fields (excluding graduate seminar).
2. Complete at least 15 credits of 700-level astronomy or physics courses.
3. A GPA of 3.00 or better in all course work which is part of the degree program.
4. In consultation with his/her advisor, a student will organize an advisory committee of at least three departmental members. In addition, a fourth member from outside the department, known as the Graduate College Representative, must be appointed. An additional committee member may be added at the student and department's discretion. Please see Graduate College policy for committee appointment guidelines.
5. Satisfactory performance on an astronomy qualifying examination on graduate astronomy knowledge at the master's level.

Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
2. The student must pass a qualifying examination.

Plan Graduation Requirements

Refer to your subplan for Graduation Requirements.

Master of Science - Physics

Plan Description

The purpose of the Physics M.S. and Ph.D. degrees are to prepare students for a career in Physics Research or in education at the university level. The program achieves this with a custom program for each student set up by their advisor and their advising committee. At the M.S. level students will learn to formulate, conduct and report on research.

For more information about your program including your graduate program handbook and learning outcomes please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College

website.

1. Applicants must have a minimum GPA of 2.75 for all undergraduate work or a 3.00 GPA for the last two years of undergraduate work.
2. The applicant must have completed 18 semester credits of upper-division undergraduate physics.
3. All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

See Subplan Requirements below.

Subplan 1: Thesis Track

Subplan 2: Non-Thesis Track

Subplan 1 Requirements: Thesis Track

Total Credits Required: 30

Course Requirements

Required Courses – Credits: 24

Complete 24 credits of 600- or 700-level AST or PHYS courses, or other advisor-approved courses.

Thesis – Credits: 6

- PHYS 797 - Thesis

Degree Requirements

- A minimum of 30 graduate credits is required, including a minimum of 15 credits (excluding thesis) in 700-level courses.
- A GPA of 3.00 or better is required in all course work which is part of the degree program.
- In consultation with his/her advisor, a student will organize a thesis committee of at least three departmental members. In addition, a fourth member from outside the department, known as the Graduate College Representative, must be appointed. An additional committee member may be added at the student and department's discretion. Please see Graduate College policy for committee appointment guidelines.

Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
2. The student must successfully complete and defend a thesis by the posted deadline. The defense must be advertised and is open to the public.
3. After the thesis defense, the student must

electronically submit a properly formatted pdf copy of their thesis to the Graduate College for format check. Once the thesis format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for thesis defenses, format check submissions, and the final ProQuest submission can be found here.

Subplan 2 Requirements: Non-Thesis Track

Total Credits Required: 30

Course Requirements

Required Courses – Credits: 6

- PHYS 711 - Electromagnetic Theory I
- PHYS 721 - Quantum Theory I

Core Courses – Credits: 6

Complete two additional advisor approved 700 level PHYS courses.

Elective Courses – Credits: 18

Complete 18 Credits of 600- or 700-level AST or PHYS courses, or other advisor approved graduate courses.

Degree Requirements

1. Complete a minimum of 30 graduate level credits in physics, astronomy, or related fields (excluding graduate seminar).
2. Complete at least 15 credits of 700-level astronomy or physics courses.
3. A GPA of 3.00 or better in all course work which is part of the degree program.
4. In consultation with his/her advisor, a student will organize an advisory committee of at least three departmental members. In addition, a fourth member from outside the department, known as the Graduate College Representative, must be appointed. An additional committee member may be added at the student and department's discretion. Please see Graduate College policy for committee appointment guidelines.
5. Satisfactory performance on a physics qualifying examination on graduate physics knowledge at the master's level.

Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
2. The student must pass a qualifying examination.

Plan Graduation Requirements

Refer to your Subplan for Graduation Requirements.

Doctor of Philosophy - Astronomy

Plan Description

The purpose of the Astronomy M.S. and Ph.D. degrees are to prepare students for a career in Astronomy or Astrophysics Research or in education at the university level. The program achieves this with a custom program for each student set up by their advisor and their advising committee. In the case of the Ph.D. the research must be original research conducted independently by the student.

For more information about your program, including your graduate program handbook and learning outcomes please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

1. Applicants must have an undergraduate degree or a Masters degree in Physics, Astronomy or related area.
2. Applicants must have a minimum GPA of 2.75 for all undergraduate work or a minimum 3.00 GPA for the last two years of undergraduate work.
3. Applicants seeking direct admission to the doctoral program without a previously earned Master of Science degree must have a score in the 65th percentile or above on the Advanced Physics portion of the GRE before admission and have a minimum GPA of 3.00 for all undergraduate work or an overall 3.25 GPA for the last two years of undergraduate work.
4. Applicants with a Master's degree must have an overall 3.00 GPA in their Master's program and at least 15 credit hours of graduate-level course work in physics or astronomy with a grade of B or better. A student entering with a Master's degree will be required to complete at least 30 additional credits, including dissertation credits, beyond the Masters.

All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

See Subplan Requirements below.

Subplan 1 Requirements: Post-Bachelor's Track

Total Credits Required: 60

Course Requirements

Required Courses – Credits: 9

- AST 713 - Astrophysics I
- AST 714 - Astrophysics II
- PHYS 700 - Mathematical Physics I

Theory Course – Credits: 3

Complete one of the following courses:

- PHYS 711 - Electromagnetic Theory I
- PHYS 721 - Quantum Theory I
- PHYS 702 - Classical Mechanics I

Astronomy Courses – Credits: 9

Complete three of the following courses:

- AST 710 - Observational Astronomy Techniques
- AST 721 - Astrophysics of Gaseous Nebulae and Active Galactic Nuclei
- AST 725 - High Energy Astrophysics
- AST 727 - Cosmology
- AST 731 - Stellar Atmospheres: Theory, Observation, and Analysis
- AST 747 - Interstellar Medium
- PHYS 771 - Advanced Topics in Experimental and Theoretical Physics

Graduate Seminar Course – Credits: 6

Complete 6 credits of the following course, including three acceptable presentations.

- PHYS 796 - Graduate Seminar

Elective Courses – Credits: 15

Complete 15 credits of 600- or 700-level AST or PHYS courses, or other advisor-approved courses.

Dissertation – Credits: 18

- PHYS 799 - Doctoral Dissertation

Degree Requirements

1. The student must complete a minimum of 60 credits.
2. A minimum grade of B- is required in each course. An overall GPA of 3.00 or better is required in all course work which is part of the degree program.
3. Satisfactory performance on an astronomy qualifying examination on graduate astronomy knowledge. This requirement must be fulfilled by the second year in the program. Students who fail to pass the exam within the specified timeline will be placed on academic probation and will be allowed one retake of the exam. Failure to pass the retake or meet the requirements of academic probation will result in separation.
4. A dissertation of high quality consisting of significant original research.
5. Satisfactory performance on a final examination which

will consist of an oral defense of the dissertation.

Graduation Requirements

See Plan Graduation Requirements below.

Subplan 2 Requirements: Post-Master's Track

Total Credits Required: 30

Course Requirements

Required Courses – Credits: 0-9

Complete 0-9 credits from the following list of courses:

- AST 713 - Astrophysics I
- AST 714 - Astrophysics II
- PHYS 700 - Mathematical Physics I

Theory Course – Credits: 0-3

Complete 0-3 credits from the following list of courses:

- PHYS 702 - Classical Mechanics I
- PHYS 711 - Electromagnetic Theory I
- PHYS 721 - Quantum Theory I

Astronomy Courses – Credits: 0-9

Complete 0-9 credits from the following list of courses:

- AST 710 - Observational Astronomy Techniques
- AST 721 - Astrophysics of Gaseous Nebulae and Active Galactic Nuclei
- AST 725 - High Energy Astrophysics
- AST 727 - Cosmology
- AST 731 - Stellar Atmospheres: Theory, Observation, and Analysis
- AST 747 - Interstellar Medium
- PHYS 771 - Advanced Topics in Experimental and Theoretical Physics

Seminar Course – Credits: 0-6

Complete 0-6 credits of the following, including three acceptable presentations.

- PHYS 796 - Graduate Seminar

Dissertation – Credits: 18

- PHYS 799 - Doctoral Dissertation

Degree Requirements

1. Students must take an advisor approved combination of the coursework listed above, completing a minimum of 30 credits. Additional credits may be required to address student deficiencies or build specialized expertise.
2. The total number of Required, Theory, Astronomy, and Seminar courses will be determined in consultation with the student's advisor.

3. A minimum grade of B- is required in each course. An overall GPA of 3.00 or better is required in all course work which is part of the degree program.
4. Satisfactory performance on an astronomy qualifying examination on graduate astronomy knowledge. This requirement must be fulfilled by the second year in the program. Students who fail to pass the exam within the specified timeline will be placed on academic probation and will be allowed one retake of the exam. Failure to pass the retake or meet the requirements of academic probation will result in separation.
5. A dissertation of high quality consisting of significant original research.
6. Satisfactory performance on a final examination which will consist of an oral defense of the dissertation.

Graduation Requirements

See Plan Graduation Requirements below.

Plan Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
2. The student must pass a qualifying exam and submit and successfully defend his/her dissertation by the posted deadline. The defense must be advertised and is open to the public.
3. After the dissertation defense, the student must electronically submit a properly formatted pdf copy of their dissertation to the Graduate College for format check. Once the dissertation format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for dissertation defenses, format check submissions, and the final ProQuest submission can be found here.

Doctor of Philosophy - Physics

Plan Description

The purpose of the Physics M.S. and Ph.D. degrees are to prepare students for a career in Physics Research or in education at the university level. The program achieves this with a custom program for each student set up by their advisor and their advising committee. In the case of Ph.D. the students will be able to conduct these steps independently.

For more information about your program, including your graduate program handbook and learning outcomes, please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

1. Applications available on the UNLV Graduate College
770 Graduate Catalog • College of Sciences

website.

2. Applicants seeking direct admission to the doctoral program without a previously earned Master of Science degree must have a score in the 65th percentile or above on the Advanced Physics portion of the GRE before admission. Applicants with a bachelor's degree in physics must have a minimum GPA of 3.00 for all undergraduate work or a 3.25 GPA for the last two years of undergraduate work, and a minimum of 18 credits of upper-division physics.
3. Applicants with a master's degree in physics must have at least 15 credit hours of graduate-level course work in physics with a grade of B or better and a 3.25 GPA in the master's program.

All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

See Subplan Requirements below.

Subplan 1 Requirements: Post-Bachelor's Track

Total Credits Required: 60

Course Requirements

Required Courses – Credits: 18

- PHYS 700 - Mathematical Physics I
- PHYS 711 - Electromagnetic Theory I
- PHYS 712 - Electromagnetic Theory II
- PHYS 721 - Quantum Theory I
- PHYS 722 - Quantum Theory II
- PHYS 731 - Statistical Physics I

Elective Courses – Credits: 18

Complete 18 credits of 600- or 700-level AST or PHYS courses, or other advisor-approved courses.

Graduate Seminar Course – Credits: 6

Complete 6 credits of the following, including three acceptable presentations.

- PHYS 796 - Graduate Seminar

Dissertation – Credits: 18

- PHYS 799 - Doctoral Dissertation

Degree Requirements

1. Students must complete a minimum of 60 credits.
2. A minimum grade of B- is required in each course. An overall GPA of 3.00 or better is required on all course work that is part of the degree program.

3. In consultation with his/her advisor, a student will organize a thesis committee of at least three departmental members. In addition, a fourth member from outside the department, known as the Graduate College Representative, must be appointed. An additional committee member may be added at the student and department's discretion. Please see Graduate College policy for committee appointment guidelines.
4. Each student's advisory committee will carry out an annual review of the student's progress.
5. Course work taken outside the Physics & Astronomy Department must have departmental approval.
6. Satisfactory performance on a written qualifying examination on advanced undergraduate physics must be fulfilled during the first two years in the graduate program. Students who fail to pass the exam within the specified timeline will be placed on academic probation and will be allowed one retake of the exam. Failure to pass the retake or meet the requirements of academic probation will result in separation.
7. A dissertation of high quality. The doctoral dissertation reports the results of significant original research, performed independently by the student, written in lucid scientific prose.
8. Satisfactory performance on a final examination that will consist of an oral defense of the dissertation.

Graduation Requirements

See Plan Graduation Requirements below.

Subplan 2 Requirements: Post-Master's Track

Total Credits Required: 30

Course Requirements

Required Courses – Credits: 6-18

Complete 6-18 credits from the following list of courses:

- PHYS 722 - Quantum Theory II
- PHYS 731 - Statistical Physics I
- PHYS 700 - Mathematical Physics I
- PHYS 711 - Electromagnetic Theory I
- PHYS 712 - Electromagnetic Theory II
- PHYS 721 - Quantum Theory I

Graduate Seminar Course – Credits: 0-6

Complete 0-6 credits of the following, including three acceptable presentations.

- PHYS 796 - Graduate Seminar

Dissertation – Credits: 18

- PHYS 799 - Doctoral Dissertation

Degree Requirements

1. Students must take an advisor approved combination of the coursework listed above, completing a minimum of 30 credits. Additional credits may be required to address student deficiencies or build specialized expertise.
2. The total number of Required Courses and Graduate Seminar Courses will be determined in consultation with the student's advisor.
3. A minimum grade of B- is required in each course. An overall GPA of 3.00 or better is required on all course work that is part of the degree program.
4. In consultation with his/her advisor, a student will organize a thesis committee of at least three departmental members. In addition, a fourth member from outside the department, known as the Graduate College Representative, must be appointed. An additional committee member may be added at the student and department's discretion. Please see Graduate College policy for committee appointment guidelines.
5. Each student's advisory committee will carry out an annual review of the student's progress.
6. Course work taken outside the Physics & Astronomy Department must have departmental approval.
7. Satisfactory performance on a written qualifying examination on advanced undergraduate physics must be fulfilled during the first two years in the graduate program. Students who fail to pass the exam within the specified timeline will be placed on academic probation and will be allowed one retake of the exam. Failure to pass the retake or meet the requirements of academic probation will result in separation.
8. A dissertation of high quality. The doctoral dissertation reports the results of significant original research, performed independently by the student, written in lucid scientific prose.
9. Satisfactory performance on a final examination that will consist of an oral defense of the dissertation.

Graduation Requirements

See Plan Graduation Requirements below.

Plan Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
2. The student must submit and successfully defend his/her dissertation by the posted deadline. The defense must be advertised and is open to the public.
3. After the dissertation defense, the student must electronically submit a properly formatted pdf copy

of their dissertation to the Graduate College for format check. Once the dissertation format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for dissertation defenses, format check submissions, and the final ProQuest submission can be found here.

Physics & Astronomy Courses

AST 710 - Observational Astronomy Techniques Credits 3
Techniques used in observational astronomy. Students plan and execute an observing program on a research grade telescope. Data reduction and analysis using standard professional software packages and procedures. Prerequisites: Graduate standing.

AST 713 - Astrophysics I Credits 3
Laws of physics applied to astrophysical situations. Notes: Major topics include solar physics, element synthesis, stellar evolution, end states of stars. Prerequisites: Graduate standing.

AST 714 - Astrophysics II Credits 3
Laws of physics applied to astrophysical situations. Notes: Major topics include interstellar medium, the Milky Way, active galaxies, galaxy clusters, the Big Bang. Prerequisites: Graduate standing.

AST 721 - Astrophysics of Gaseous Nebulae and Active Galactic Nuclei Credits 3
Theory and observations used to determine the physical conditions in gaseous nebulae (H II regions, planetary nebulae, supernova remnants, etc.) and active galactic nuclei. Formation of spectra in these regions and analysis to determine temperatures, density and chemical composition. Recent observational results also discussed. Same as Previously known as PHYS 777 Prerequisites: Graduate standing.

AST 723 - Astrophysical Fluids Credits 3
Physics of fluids applied to astrophysical situations. Major topics include single-fluid theory, waves, shocks, fronts, magnetohydrodynamics, and plasma physics.

AST 725 - High Energy Astrophysics Credits 3
Introduction of high energy astrophysics. Theory to understand high energy phenomena in the universe, including radiation mechanisms and various energy power sources (accretion, nuclear, spindown, magnetic). Objects include neutron stars, black holes, bursters. Brief introduction of neutrino, cosmic ray, and gravitational astrophysics.

AST 727 - Cosmology Credits 3
Classical cosmology, the isotropic universe, gravitational lensing the age and distance scales, the early universe, observational cosmology, matter in the universe, galaxies and their evolution, active galaxies, galaxy formation and clustering, cosmic background fluctuations. Same as Previously known as PHYS 777 Prerequisites: Graduate standing.

AST 729 - Galaxies Credits 3
Observation and theoretical basis for our current understanding of galactic astronomy. Major topics include Morphology of Galaxies, the Milky Way, equilibria of collisionless systems, spiral structure, and dark matter. Prerequisites: Graduate standing.

AST 731 - Stellar Atmospheres: Theory, Observation, and Analysis Credits 3
Theoretical treatment of stellar atmospheric structure and radiative transfer, state-of-the-art astrophysical analysis techniques used to derive atmospheric parameters, our current observational understanding of stellar atmospheres, special topics in stellar atmospheres (pulsation, chromospheric activity, etc.), and relevance to galactic and extragalactic astronomy. Prerequisites: Graduate standing.

AST 747 - Interstellar Medium Credits 3
Physics of the interstellar medium. Overall chemical, thermal and physical state of the gas in our galaxy. Astrochemistry, cosmic rays, radiative transfer, atomic and molecular physics, thermal equilibrium, and the overall dynamics of the galaxy. Same as Previously known as PHYS 771 Prerequisites: Graduate standing.

PHYS 604 - Computational Techniques in Physics Credits 3
Application of numerical methods to simulation of physical systems, including topics in classical mechanics, electrostatics, quantum mechanics, scattering, nonlinear dynamics and chaos. Notes: This course is crosslisted with PHYS 404. Credit at the 600-level requires additional work.

PHYS 614 - Intermediate Laboratory II Credits 3
Further experimental investigations of phenomena in classical and modern physics. Emphasis on problem solving, experimental technique, data analysis, and independent work. Students encouraged to alter or extend the experiments and engage in projects. Notes: This course is crosslisted with PHYS 414. Credit at the 600-level requires additional work.

PHYS 622 - Electricity and Magnetism Credits 3
Electrostatics, magnetic fields, and electromagnetism. Maxwell's equations, theory of metallic conduction, motion of charged particles, radiation. Notes: This course is crosslisted with PHYS 422. Credit at the 600-level requires additional work.

PHYS 624 - Mechanics Credits 3
Newtonian mechanics. Mathematical formulation of the dynamics of a particle and systems of particles, including applications to atomic physics. Mechanics of continuous media using Fourier series. Introduction to generalized coordinates and the methods of Lagrange and Hamilton. Notes: This course is crosslisted with PHYS 424. Credit at the 600-level requires additional work.

PHYS 631 - Nuclear and Elementary Particle Physics Credits 3
Survey of basic nuclear concepts and structure. Interactions between nuclear radiations and matter, nuclear reactions and decay, nuclear force, sub-atomic structure and models, symmetries and conservation laws. Notes: This course is crosslisted with PHYS 431. Credit at the 600-level requires additional work.

PHYS 641 - Mathematical Physics I Credits 3
Application of selected mathematical techniques to problems in physics. Notes: This course is crosslisted with PHYS 441. Credit at the 600-level requires additional work.

PHYS 642 - Mathematical Physics II Credits 3
Application of selected mathematical techniques to problems in physics. Notes: This course is crosslisted with PHYS 642. Credit at the 600-level requires additional work.

PHYS 651 - Modern Scientific Instrumentation Credits 3
Electronics for scientists, including circuit design and construction using analog and digital integrated circuits. Introduction to machining, glassblowing, and fabrication techniques. Notes: This course is crosslisted with PHYS 451. Credit at the 600-level requires additional work.

PHYS 661 - Light and Physical Optics Credits 3

Survey of geometric optics and optical instruments. Selected topics in physical optics including interference, diffraction and polarization, with applications; the nature of light. Notes: This course is crosslisted with PHYS 461. Credit at the 600-level requires additional work.

PHYS 667 - Thermodynamics Credits 3

Fundamentals of thermodynamics, including equations of state, laws of thermodynamics, and entropy. Principles and methods of temperature measurement, calorimetry and heat transfer. Notes: This course is crosslisted with PHYS 467. Credit at the 600-level requires additional work.

PHYS 668 - Statistical Mechanics Credits 3

Principles and applications of statistical mechanics. Quantum statistics of ideal gas and simple solids. Transport theory, irreversible processes and fluctuations. Notes: This course is crosslisted with PHYS 668. Credit at the 600-level requires additional work.

PHYS 681 - Quantum Mechanics I Credits 3

Introduction to the Schroedinger Equation and the interpretation of its solutions, the uncertainty principles, one-dimensional problems, harmonic oscillator, angular momentum, the hydrogen atom. Notes: This course is crosslisted with PHYS 481. Credit at the 600-level requires additional work.

PHYS 682 - Quantum Mechanics II Credits 3

Introduction to the matrix formulation of quantum mechanics, spin, coupling of angular momenta and applications. Time dependent perturbation theory and approximation methods and techniques discussed. Notes: This course is crosslisted with PHYS 482. Credit at the 600-level requires additional work.

PHYS 683 - Special Topics in Physics Credits 3

Special topics in physics such as, but not limited to, relativity, plasma physics, hydrodynamics, and particle physics. Notes: This course is crosslisted with PHYS 483. Credit at the 600-level requires additional work.

PHYS 685 - Condensed Matter Physics Credits 3

Properties of condensed matters and their applications in materials science. Structures of classical and quantum liquids. Correlations in lower dimensional systems. Localization and magnetism. Superconductivity and superfluidity. Polymers and liquid crystals. Notes: This course is crosslisted with PHYS 485. Credit at the 600 level-requires additional work.

PHYS 700 - Mathematical Physics I Credits 3

Reviews and introduces various specific mathematical functions and techniques basic to the study of physics.

PHYS 701 - Mathematical Physics II Credits 3

Reviews and introduces various specific mathematical functions and techniques basic to the study of physics.

PHYS 702 - Classical Mechanics I Credits 3

Newtonian mechanics from an advanced point of view. Variational principles. Lagrange's and Hamilton's equations, central forces, rigid body motion, canonical transformations, Hamilton-Jacobi theory, small oscillations.

PHYS 707 - Condensed Matter Theory I Credits 3

Comparison of different band structure calculation methods. Local-density approximation. Relation of structural, transport, and optical properties to electronic structure. Properties of metals, insulators and semiconductors. Quantum theory of magnetism. Prerequisites: PHYS 482/682, PHYS 483/683 and graduate standing.

PHYS 708 - Condensed Matter Theory II Credits 3

Lattice dynamics. Electron-photon interaction. Elementary excitations. Many-body effects in condensed matter physics. Superconductivity. Phase transitions. Renormalization group theory. Prerequisites: PHYS 707 and graduate standing.

PHYS 711 - Electromagnetic Theory I Credits 3

General properties of vector fields with special application to electrostatic and magnetostatic fields. Solutions to boundary value problems. General electromagnetic equations and conservation theorems. Energy and momentum in the electromagnetic field. Motions of charged particles in electromagnetic fields. Electromagnetic theory of radiation electro-dynamics and special relativity. Reflection, refraction, and dispersion of electromagnetic waves. Prerequisites: PHYS 422/PHYS 622 and graduate standing.

PHYS 712 - Electromagnetic Theory II Credits 3

General properties of vector fields with special application to electrostatic and magnetostatic fields. Solutions to boundary value problems. General electromagnetic equations and conservation theorems. Energy and momentum in the electromagnetic field. Motions of charged particles in electromagnetic fields. Electromagnetic theory of radiation electro-dynamics and special relativity. Reflection, refraction, and dispersion of electromagnetic waves. Prerequisites: PHYS 422/PHYS 622 and graduate standing.

PHYS 721 - Quantum Theory I Credits 3

Development of quantum theory. Schroedinger equation, operators, expectation values. Matrix formalism of Heisenberg, eigenvalue problems, wave packets, conjugate variables, and uncertainty principle. Solution of wave equation for square potentials, harmonic oscillator, and hydrogen-like atoms. Perturbation theory, both time-independent and time-dependent. Degeneracy, interaction of matter with radiation, selection rules. Scattering theory, Born approximation and other approximation methods. Dirac notation and an introduction to spin. Prerequisites: PHYS 482/PHYS 682 and graduate standing.

PHYS 722 - Quantum Theory II Credits 3

Development of quantum theory. Schroedinger equation, operators, expectation values. Matrix formalism of Heisenberg, eigenvalue problems, wave packets, conjugate variables, and uncertainty principle. Solution of wave equation for square potentials, harmonic oscillator, and hydrogen-like atoms. Perturbation theory, both time-independent and time-dependent. Degeneracy, interaction of matter with radiation, selection rules. Scattering theory, Born approximation and other approximation methods. Dirac notation and an introduction to spin. Prerequisites: PHYS 482/PHYS 682 and graduate standing.

PHYS 723 - Quantum Optics Credits 3

Properties of light, its creation, and its interaction with matter explored as quantum-mechanical phenomena. Quantization of the light field. Quantum theory of coherence. Dissipation and fluctuations. Light amplification. Nonlinear optics. Prerequisites: PHYS 622 and PHYS 682/PHYS 721, or consent of instructor.

PHYS 724 - Laser Applications: Interaction with Matter Credits 3

Laser principles. Introduction to laser spectroscopy, isotope separation, and trace element analysis. Laser induced fusion. Laser induced plasmas and their radiation. Prerequisites: Graduate standing or consent of instructor.

PHYS 731 - Statistical Physics I Credits 3

Liouville's theorem, ensembles, Boltzmann and Gibbs methods. Non-ideal gases, cluster expansions, theory of condensation. Prerequisites: PHYS 467, 468 and graduate standing.

PHYS 771 - Advanced Topics in Experimental and Theoretical Physics Credits 3

Consists of lectures dealing with experimental and theoretical aspects of one of the fields listed. a) Electrodynamics. b) Fluid mechanics. c) Plasma physics. d) Quantum theory. e) Nuclear physics. f) Atomic and molecular physics. g) Electron and ion physics. h) Low-temperature physics. i) Solid and/ r liquid state. k) Cosmic rays. l) Relativity. m) Elementary particles. p) Astrophysics. r) Atmospheric Physics. s) Geophysics. t) Applied Optics. Notes: May be repeated for credit in different fields to a maximum of 12 credits. Prerequisites: Depends on particular topic, consult instructor.

PHYS 777 - Advanced Special Problems Credits 1 – 6

Special study of advanced topics not specifically covered in listed courses. Notes: May be repeated to a maximum of six credits. Prerequisites: Prior conference with instructor.

PHYS 796 - Graduate Seminar Credits 1

Students required to give presentations on topics outside their Ph.D. work and to discuss the presentations. Presentations by graduate students given on a regularly scheduled basis, last about an hour, and given at the nonspecialist level. Notes: A total of three acceptable presentations in three different semesters during the six semesters of enrollment required. May be repeated to a maximum of six credits. Prerequisites: Graduate standing.

PHYS 797 - Thesis Credits 3 – 6

Research, analysis, and writing towards completion of thesis and subsequent defense. Notes: May be repeated but only six credits will be applied to the student's program. Grading S/F grading only.

PHYS 799 - Doctoral Dissertation Credits 3 – 6

Doctoral dissertation. Notes: May be repeated. A minimum of 18 credits required for the degree. Prerequisites: Qualifying exam and approval by department.

Water Resources Management

The Water Resources Management (WRM) graduate program is a flexible, interdisciplinary course of study leading to a Master of Science degree. It is a technically and scientifically based program that blends the physical aspects of the hydrologic sciences with policy and management issues. The WRM program is designed to encourage a multidisciplinary approach to learning. Students with a desire to address water-related

issues enter the WRM program from a wide variety of undergraduate degree programs (e.g., natural sciences, physical sciences, engineering, business, social sciences, education, liberal arts, environmental studies, architecture, etc.). After admission to the WRM program, students then work with their faculty advising committee to design a course of study that will strengthen their understanding of the hydrologic sciences and water management, while also developing relevant technical skills.

The Water Resources Management graduate program is housed in the UNLV College of Sciences. Faculty participation in the WRM program is by application, and not restricted to the College of Sciences. Student research projects may involve faculty from other colleges on the UNLV campus, the Desert Research Institute, or scientists at government agencies (e.g., U.S. Environmental Protection Agency, the U.S. Geological Survey, Southern Nevada Water Authority, U.S. Bureau of Reclamation, etc.).

Michael Nicholl, Ph.D., Director, Graduate Coordinator

Water Resources Management Faculty

Director and Graduate Coordinator

Nicholl, Michael J. - Full Graduate Faculty

Associate Professor; B.S., Eastern Michigan University; M.S., Ph.D., University of Nevada, Reno. Rebel since 2004.

Graduate Faculty

Faculty participating in the Water Resources Management Graduate Program (WRM) are affiliated with several different colleges, departments, and centers at UNLV, and elsewhere within the Nevada System of Higher Education. Active research scientists affiliated with governmental agencies or private industry may also participate as adjunct faculty. A list of participating faculty can be found at the website of the WRM Graduate Program at <http://sciences.unlv.edu/wrm>.

Plan

Master of Science - Water Resources Management

Master of Science - Water Resources Management

Plan Description

The Water Resources Management (WRM) program in the College of Sciences at the University of Nevada, Las Vegas is a flexible, interdisciplinary course of study leading to a Master of Science degree. It is a technically and scientifically based program that blends the physical aspects of the hydrologic sciences with policy and management issues.

The WRM program is designed to encourage a multidisciplinary approach to learning. Students enter the

program from a wide variety of undergraduate programs, then take classes and conduct research with faculty in the Colleges of: Sciences, Business, Urban Affairs, Engineering, and Liberal Arts at UNLV, plus the Boyd School of Law and the Desert Research Institute. Students in the WRM program also work with participating faculty from federal, state, and local government agencies.

For more information about your program including your graduate program handbook and learning outcomes please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

Applicants to the program must hold a B.S. or B.A. degree in the physical, natural or social sciences, engineering, business, management, or a related field.

1. A minimum overall undergraduate grade point average of 3.00.
2. Submission of an online application.
3. Transcripts of all college-level course work.
4. Three letters of recommendation from individuals competent to comment on the applicant's promise as a graduate student.
5. A letter of application stating the student's interests and goals.
6. Satisfactory scores on the Graduate Record Exam. This requirement may be waived in the case of candidates with exceptional professional experience.

Items 3-5 should be uploaded as part of the online application.

All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.

Refer to the Graduate College website for current deadlines.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

See Subplan Requirements below.

Subplan 1 Requirements: Thesis Track

Total Credits Required: 33

Course Requirements

Required Course – Credits: 3

Complete one of the following courses:

- WRM 706 - Research Methods in Water Resources Management

- GEOL 701 - Research Methods in Geoscience

Hydrologic Sciences Courses – Credits: 6

Complete 6 credits of advisor-approved GEOL or CEE hydrologic science courses.

Additional Science Course – Credits: 3

Complete 3 credits of advisor-approved science, mathematics or engineering courses (BIOL, CEE, CHEM, GEOL, MAT, ME, PHYS, STA prefixes).

Administrative Courses – Credits: 9

Complete 9 credits of advisor-approved management, public administration, economics, law, or political science courses (ECO, ENV, HIST, LAW, MGT, MIS, PSC, PUA prefixes).

Elective Courses – Credits: 6

Complete 6 credits of advisor-approved BIOL, CEE, CHEM, ECO, ENV, GEOL, HIST, LAW, MAT, ME, MGT, MIS, PHYS, PSC, PUA, or STA courses.

Thesis – Credits: 6

- WRM 798 - Thesis

Degree Requirements

1. Completion of a minimum of 33 credit hours with a minimum GPA of 3.00.
2. A minimum of 15 credit hours must be in 700-level courses.
3. Because of the interdisciplinary nature of the Water Resources Management Graduate Program, students are encouraged to select courses from different departments that would strengthen their background and help them to achieve their research and educational goals.
4. In consultation with his/her advisor, a student will organize a thesis committee of at least three members of the WRM Graduate Faculty. In addition, a fourth member from outside the WRM Graduate Faculty, known as the Graduate College Representative, must be appointed. An additional committee member may be added at the student and WRM Program Director's discretion. Please see Graduate College policy for committee appointment guidelines.
5. Students must develop their course work program with the consent of the advisor and the student's advisory committee. Courses from different colleges and departments may be incorporated into the student's program of study. Students should consult the listings of individual departments.
6. There will be a final examination that will include a comprehensive oral examination.

Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up

to two semesters prior to completing his/her degree requirements.

2. The student must submit and successfully defend his/her thesis by the posted deadline. The defense must be advertised and is open to the public.
3. After the thesis defense, the student must electronically submit a properly formatted pdf copy of their thesis to the Graduate College for format check. Once the thesis format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for thesis defenses, format check submissions, and the final ProQuest submission can be found here.

Subplan 2 Requirements: Non-Thesis Track

Total Required Credits: 36

Course Requirements

Required Course – Credits: 3

Complete one of the following courses:

- WRM 706 - Research Methods in Water Resources Management
- GEOL 701 - Research Methods in Geoscience

Hydrologic Sciences Courses – Credits: 6

Complete 6 credits of advisor-approved GEOL or CEE hydrologic science courses.

Additional Science Courses – Credits: 6

Complete 6 credits of advisor-approved science, mathematics or engineering courses (BIOL, CEE, CHEM, GEOL, MAT, ME, PHYS, STA prefixes).

Administrative Courses – Credits: 12

Complete 12 credits of advisor-approved management, public administration, economics, law, or political science courses (ECO, ENV, HIST, LAW, MGT, MIS, PSC, PUA prefixes).

Elective Courses – Credits: 6

Complete 6 credits of advisor-approved BIOL, CEE, CHEM, ECO, ENV, GEOL, HIST, LAW, MAT, ME, MGT, MIS, PHYS, PSC, PUA, or STA courses.

Professional Paper – Credits: 3

- WRM 796 - Professional Paper in WRM

Degree Requirements

1. Completion of a minimum of 36 credit hours with a minimum GPA of 3.00.
2. A minimum of 15 credit hours must be in 700-level courses.
3. Because of the interdisciplinary nature of the Water Resources Management Graduate Program, students are encouraged to select courses from different departments that would strengthen their

background and help them to achieve their research and educational goals.

4. In consultation with his/her advisor, a student will organize a committee of at least three members of the WRM Graduate Faculty. In addition, a fourth member from outside the WRM Graduate Faculty, known as the Graduate College Representative, must be appointed. An additional committee member may be added at the student and WRM Program Director's discretion. Please see Graduate College policy for committee appointment guidelines.
5. Students must develop their course work program with the consent of the advisor and the student's advisory committee. Courses from different colleges and departments may be incorporated into the student's program of study. Students should consult the listings of individual departments.
6. There will be a final examination that will include a comprehensive oral examination.

Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
2. The student must successfully complete and defend a professional paper.

Plan Graduation Requirements

Refer to your subplan for Graduation Requirements.

Water Resources Management Courses

WRM 706 - Research Methods in Water Resources Management Credits 3

Discussion of the processes of scientific research and research design as applied to modern water resources management. Includes scientific approaches to field and laboratory research, research and professional ethics, writing, and public presentation. Model thesis prospectus and grant proposals prepared. Prerequisites: Graduate standing or consent of instructor.

WRM 791 - Independent Study Credits 1 – 3

Review of recent literature in a specialized area related to water resources. Prerequisites: May be repeated to a maximum of four credits. Prerequisites: Consent of instructor.

WRM 796 - Professional Paper in WRM..... Credits 1-6

Professional paper preparation, including review of literature or similar research effort. Prerequisites: May be repeated to a maximum of three credits. Not permitted for students pursuing the M.S. Thesis option. Prerequisites: Consent of instructor.

WRM 798 - Thesis Credits 1 – 3

Enrollment by consent of research director only. Notes: May be repeated for credit with cumulative maximum of six credits allowed toward degree program. Grading S/F grading only.

Greenspun College of Urban Affairs

The world is experiencing its highest rate of urbanization. As a result, cities are experiencing rapid change, challenges, and opportunities. There is a need for safe, resilient communities, effective government and policy, civil discourse, effective and ethical journalism, healthy families, and effective urban support structures for behavioral and/or mental health needs. Graduate students in the Greenspun College of Urban Affairs are encouraged to learn about urban contexts through their coursework, research, and practice. By learning through cutting edge curriculum, engaging in community partnerships, and interacting with a high quality faculty, students have the opportunity to develop solutions for individuals, families, and urban communities.

Robert Ulmer, Dean, Greenspun College of Urban Affairs

*Tara Emmers-Sommer, Associate Dean,
Research and Graduate Education*

Programs

Communication Studies

Criminal Justice

Hank Greenspun School of Journalism and Media Studies

School of Public Policy and Leadership

School of Social Work

Communication Studies

The Department of Communication Studies offers the master of arts degree in communication studies with emphases in relational and public communication studies. Courses of study are designed around two career “tracks.” For students with a non-academic career orientation — including such diverse arenas as politics, education, law, public service, the ministry, and media relations — we offer a track in Community Engagement. For those wishing to continue their academic orientation in doctoral programs we offer our Advanced Communication Research track.

Because each student’s goals are unique, the curriculum allows flexibility in developing individual degree programs. Such development aims to balance the communication discipline’s varied traditions in theoretical, historical, and applied research, with particular attention to the changing communication culture of the twenty-first century.

*Michael Lane Bruner, Ph.D., Department Chair
Michael Lane Bruner, Ph.D., Graduate Coordinator*

Communication Studies

Chair and Graduate Coordinator

Bruner, Michael

Professor; M.A., Louisiana State University; Ph.D.,
University of Washington. Rebel since 2017.

Graduate Faculty

Bloomfield, Emma – Full Graduate Faculty

Assistant Professor; B.A. Northeastern University; M.A.,
Ph.D., University of Southern California. Rebel since 2016.

Conley, Donovan S. - Full Graduate Faculty

Associate Professor; B.A., University of Lethbridge,
Alberta; M.A., Ph.D., University of Illinois,
Urbana-Champaign. Rebel since 2004.

Emmers-Sommer, Tara. - Full Graduate Faculty

Professor and Associate Dean of Research and
Graduate Education, Greenspun College of Urban
Affairs; B.A., M.A., University of Wisconsin, Milwaukee;
Ph.D. Ohio University. Rebel since 2006.

McManus, Tara - Full Graduate Faculty

Associate Professor; B.A., University of Kentucky;
M.A., University of Cincinnati; Ph.D., Pennsylvania
State University. Rebel since 2008.

Pennington, Natalie – Full Graduate Faculty

Assistant Professor; B.A., Missouri State
University; M.A., Kansas State University; Ph.D.,
University of Kansas. Rebel since 2018.

Rice, Rebecca – Full Graduate Faculty

Assistant Professor; B.A., Northern Arizona
University; M.A., University of Montana; Ph.D.,
University of Colorado-Boulder. Rebel since 2019.

Thompson, Jacob - Full Graduate Faculty

Faculty in Residence; Sanford J. Berman Debate Forum,
Faculty in Residence; B.A., Wayne State University;
M.A., Ph.D., University of Kansas. Rebel since 2007.

Professors Emeriti

Blythin, Evan

Emeritus Associate Professor; A.A., Palomar Junior
College; B.A., M.A., San Diego State University; Ph.D.,
University of Colorado. UNLV Emeritus 1998.

Henry, David - Full Graduate Faculty

Emeritus Professor; B.A., University of
California, Berkeley; M.A., University of
California, Davis; Ph.D., Indiana University.
Rebel since 1998. UNLV Emeritus 2019.

Jensen, Richard Jay

Professor and Senior Advisor to the President; B.S.,
Weber State College; M.A., University of Arizona;
Ph.D., Indiana University. UNLV Emeritus 1992.

Watson, Martha

Emeritus Professor; B.A., Rice University; M.A., Ph.D.,
University of Texas at Austin. UNLV Emeritus 1997.

Plan

Master of Arts - Communication Studies

Master of Arts - Communication Studies

Plan Description

The Master of Arts program in the Department of Communication Studies brings together scholars interested in the various aspects of relational and public communication studies. The program prepares you for careers in the private sector, government agencies, or further educational opportunities. Our recent graduates are regularly accepted into top doctoral programs throughout the country.

For more information about your program, including your graduate program handbook and learning outcomes, please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

Students have the choice of doing original research leading to the writing of a thesis or completing a program of course work leading to a comprehensive examination. Programs of study are designed to meet the student's individual, professional or personal objectives. Although an undergraduate degree in communication is not required for admission to the program, a student without a background in communication may be required to complete course work in addition to the minimum requirements.

- The Department of Communication Studies accepts applicants only in the fall semester of each year.
- Review of applications starts January 15.

All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

See Subplan Requirements below.

Subplan 1 Requirements: Thesis Track

Total Credits Required: 36

Course Requirements

All students enrolled in the program are required to complete core courses in their first year.

Core Courses – Credits: 12

- COM 710 - Survey of Communication Studies
- COM 711 - Rhetorical-Critical Research Methods
- COM 712 - Empirical Research Methods
- COM 730 - Theories of Communication

Elective Courses – Credits: 18

Complete 18 credits of electives. A maximum of 6 credits can be taken outside the Department of Communication Studies.

Thesis – Credits: 6

- COM 797 - Thesis

Degree Requirements

1. A student must complete a minimum of 30 credit

hours of approved course work plus six hours of thesis credits. The classes may include six credits outside the Department of Communication Studies. An oral examination on the thesis is required.

2. Graduate teaching assistants are required to take COM 725 – College Teaching in Communication during their first semester.
3. The Graduate Studies Coordinator will be the advisor for all entering students. Before completing 16 credit hours, the student should select a permanent advisor. The permanent advisor will work with the student through the completion of the program. The student's advisor must approve all course work.
4. Acceptable course work is defined as any class in which a student receives a grade of B- or higher. Any required course graded C+ or below will not be included in the candidate's degree program.
5. In consultation with his/her advisor, a student will organize a thesis committee of at least three departmental members. In addition, a fourth member from outside the department, known as the Graduate College Representative, must be appointed. An additional committee member may be added at the student and department's discretion. Please see Graduate College policy for committee appointment guidelines.
6. The defense of the thesis may result in any of three decisions: pass, pass with further edits, no pass. The most common of these three results is the pass with further edits decision. These edits may range from simple editing of style, grammatical errors, and so forth, to extensive rewrites of entire sections of the thesis. The committee may decide to either "sign off" on the thesis or not at the time of this decision depending on the extent of the edits. The committee may also want to see the final edits or not. Signing off on the thesis means that the committee agrees to sign the appropriate forms for the completion of the thesis. Again, they may do that at the time of the defense, or at a later time after edits are completed.

a. If the thesis passes outright, then the student will have no further edits except those that the Graduate College may request. The committee signs off on the thesis at the time of the defense.

b. In the event that the student's thesis is not passed, the student will, at that time be severed from the program and will not be granted a Master of Arts degree.

Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
2. The student must submit and successfully defend his/

her thesis by the posted deadline. The defense must be advertised and is open to the public.

3. After the thesis defense, the student must electronically submit a properly formatted pdf copy of their thesis to the Graduate College for format check. Once the thesis format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for thesis defenses, format check submissions, and the final ProQuest submission can be found here.

Subplan 2 Requirements: Examination Track (ON HOLD)

Total Credits Required: 36

Course Requirements

All students enrolled in the program are required to complete core courses in their first year.

Core Courses – Credits: 12

- COM 710 - Survey of Communication Studies
- COM 711 - Rhetorical-Critical Research Methods
- COM 712 - Empirical Research Methods
- COM 730 - Theories of Communication

Elective Courses – Credits: 24

Complete 24 credits of electives. A maximum of 6 credits can be taken outside the Department of Communication Studies.

Degree Requirements

1. A student must complete a minimum of 36 credit hours of approved course work. No more than six hours may be taken outside the Department of Communication Studies.
2. Graduate teaching assistants are required to take COM 725 – College Teaching in Communication during their first semester.
3. Students must pass a comprehensive written examination. The examination lasts eight hours and is given over two consecutive days. A Graduate Education Portfolio is also required of exam track students (the specifics of the portfolio are outlined in the Department of Communication Studies Graduate Handbook, which is available upon request).
4. The Graduate Studies Coordinator will be the advisor for all entering students. Before completing 16 credit hours, the student should select a permanent advisor. The permanent advisor will work with the student through the completion of the program. The student's advisor must approve all course work.
5. Acceptable course work is defined as any class in which a student receives a grade of B- or higher. Any required course graded C+ or below will not be included in the candidate's degree program.
6. The oral defense of the examination must take place

within one week of completing the written examination.

a. In the case where a student receives a Pass with Conditions involving a minor rewrite, these rewrites must be completed within two weeks of notification. Examination Committee members will again have the same time limits as specified above.

b. A student must retake a failed examination within one year and successfully pass it to receive his or her degree. A second failure on the examination automatically results in the student's termination from the program.

Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
2. The student must pass a comprehensive written examination.

Subplan 3 Requirements: Scholarly Research Project Track

Total Credits Required: 36

Course Requirements

All students enrolled in the program are required to complete core courses in their first year.

Core Courses – Credits: 12

- COM 710 - Survey of Communication Studies
- COM 711 - Rhetorical-Critical Research Methods
- COM 712 - Empirical Research Methods
- COM 730 - Theories of Communication

Elective Courses – Credits: 24

Complete 24 credits of electives. A maximum of 6 credits can be taken outside the Department of Communication Studies.

Degree Requirements

1. The Scholarly Research Project Track entails the completion of 36 credits of course work, construction of a Graduate Education Portfolio, and development of an original research project for submission to a scholarly meeting and/or scholarly journal.
2. Graduate teaching assistants are required to take COM 725 – College Teaching in Communication during their first semester.
3. Students select a four-person committee: three departmental faculty, one of whom serves as chair, and one Graduate College representative. Students prepare and defend a prospectus by September 15 of the second year of their program, work primarily with the committee chair through development of the paper, and meet with the full committee by April 1 for

a formal presentation and defense of the project.

4. The Graduate Studies Coordinator will be the advisor for all entering students. Before completing 16 credit hours, the student should select a permanent advisor. The permanent advisor will work with the student through the completion of the program. The student's advisor must approve all course work.
5. Acceptable course work is defined as any class in which a student receives a grade of B- or higher. Any required course graded C+ or below will not be included in the candidate's degree program.
6. Scholarly Research Projects may be assessed as Pass, Pass with revisions, or Not Pass. Revisions may include—but are not limited to—minor stylistic changes, investigating Committee members' questions about substantive claims, revising sections of the argument, and so on. In some cases Committee members may want to see the final revisions; in other instances they may entrust the Chair to act on the Committee's behalf. In both cases, and when the initial judgment is Pass, Committee members will sign the required Graduate College documents the day of the Presentation. In cases that require more elaborate revision, or when a performance is assessed as Not Pass, the Committee will delineate the necessary course/s of action before the student leaves the Defense.

Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
2. The student must successfully complete and defend a scholarly research paper.

Plan Graduation Requirements

Refer to your subplan for Graduation Requirements.

Communication Studies Courses

COM 601 - The Rhetoric of Women's Rights, 1832-1920

Credits 3

Examination of the rhetorical campaign for woman suffrage and women's rights from the early nineteenth century up to passage of the 19th amendment to the U.S. Constitution in 1920. Emphasis on identifying, understanding, and evaluating major rhetorical strategies in their historical context. Notes: This course is crosslisted with COM 401. Credit at the 600-level requires additional work. Prerequisites: Graduate standing.

COM 603 - Public Communication

Credits 3

Examination of public communication in terms of form, context, people, messages, and delivery. Particular focus on the ethics of public communication. Notes: This course is crosslisted with COM 403. Credit at the 600-level requires additional work.

COM 604 - Principles of Persuasion

Credits 3

Examination of the principles involved in influencing groups and individuals. Notes: This course is crosslisted with COM 404. Credit at the 600-level requires additional work.

COM 607 - Communication Between the Sexes

Credits 3

Introduction to gender research in communication, studying ways in which language, interpersonal communication, the media, and various social institutions influence conceptions of gender. Notes: This course is crosslisted with COM 407. Credit at the 600-level requires additional work.

COM 610 - Advanced Topics in Relational Communication

Credits 3

This course will examine contemporary topics and processes relevant to communication in personal relationships. To improve understanding of the communication process and its implications for the development, maintenance, and termination of close personal relationships, current theory and research will be incorporated. The course will enhance critical thinking and analytical skills. Notes: This course is crosslisted with COM 410. Credit at the 600-level requires additional work.

COM 613 - Argumentation

Credits 3

Study of advanced argumentation theories and implementation of argumentation practice. Notes: This course is crosslisted with COM 413. Credit at the 600-level requires additional work.

COM 614 - Famous Speeches

Credits 3

Study of the role of public address in American history. Emphasis on speeches which had a significant effect on American history. Notes: This course is crosslisted with COM 414. Credit at the 600-level requires additional work. Prerequisites: Graduate Standing.

COM 615 - Marital & Family Communication

Credits 3

This course introduces graduate students to communication processes that occur in the context of marital and family relationships. We will examine definitions of the family, the roles of family members, various types of families that comprise modern society, and a number of current issues that affect families. Students will also become more familiar with communication theory and research both at the disciplinary level but also in the particular area of family communication. Notes: This course is crosslisted with COM 415. Credit at the 600-level requires additional work.

COM 625 - Rhetoric and Public Memory Credits 3

This course explores how we use rhetoric to construct, circulate, and contest shared representations of the past. Students will gain an understanding of the foundational concepts in memory studies through class readings and discussions, and they will gain skills of critical, rhetorical analysis by applying these concepts in writing projects. Notes: May not be repeated for credit. This course is crosslisted with COM 425. Credit at the 600-level requires additional work. Grading Letter Grade

COM 632 - Qualitative Research Methods in Communication Credits 3

Survey of qualitative research methods and analysis in communication including interpretive approaches, interviews, focus groups, and fieldwork. Notes: This course is crosslisted with COM 432. Coursework at the 600-level requires additional work. Prerequisites: Admission to the MA Communication Studies program.

COM 634 - Conflict Management Credits 3

Examination of various types and sources of conflict in interpersonal relationships, the management and resolution of these conflicts through various decision-making models. Practical application of theory emphasized in various classroom exercises. Notes: This course is crosslisted with COM 434. Credit at the 600-level requires additional work.

COM 641 - Rhetoric of Dissent Credits 3

Description and analysis of public discourse by agitators and those opposed to agitation. Focus on significant movements for change in recent American history. Notes: This course is crosslisted with COM 441. Credit at the 600-level requires additional work.

COM 682 - Security Discourse Credits 3

In a globalized world the ways in which national security is discussed profoundly affects the public life of all individuals. This class examines the language, arguments and practices related to security policy, including but not limited to topics such as the rhetorics of American foreign policy, war, terrorism and nuclear arms. Notes: This course is crosslisted with COM 482. Credit at the 600-level requires additional work.

COM 684 - Political Communication Credits 3

Analysis of historical and contemporary political discourse. Addresses such topics as presidential rhetoric, electoral campaigns, ethics in political culture, institutional leadership, publics and public opinion, mediated political speech, legislative debates, political socialization. Notes: This course is crosslisted with COM 484. Credit at the 600-level requires additional work.

COM 710 - Survey of Communication Studies Credits 3

Survey of communication disciplines and their interrelationships; past, contemporary, and emerging issues; appropriate research topics, questions, methods, and style.

COM 711 - Rhetorical-Critical Research Methods Credits 3

Methods of describing, analyzing, interpreting, and judging public discourse. Study critical theory and practice. Research and write original critical essays.

COM 712 - Empirical Research Methods Credits 3

Fundamentals of scientific philosophy, research design, and data analysis; writing and critiquing research reports.

COM 725 - College Teaching in Communication Credits 3

Discussion of theory and practice in the teaching of communication in college, particularly entry-level courses. Notes: Required of all graduate teaching assistants. Prerequisites: Graduate standing.

COM 730 - Theories of Communication Credits 3

Exploration and explanation of communication phenomena. Survey of theoretical ideas, nature of theory in general, major communication theories and theories relevant to communication, and examines purpose of theory in communication research. Prerequisites: Graduate standing.

COM 741 - Social Movements as Rhetorical Form Credits 3

Rhetorical approaches to the study of social movements, examining communicative processes and symbolic action involved in social change. Focuses on theoretical and methodological issues in movement studies as well as on rhetorical documents and practices of several social movements. Prerequisites: Consent of instructor.

COM 781 - Seminar in Argumentation Credits 3

Examines field of argument from its roots in classical Aristotelian rationalism to modern practical reasoning perspectives. Argumentation in interpersonal and public contexts emphasized. Prerequisites: Consent of instructor.

COM 789 - Selected Topics in Communication Credits 3

Content varies with current developments in communication theory. Notes: May be repeated to a maximum of six credits with instructor's permission. Prerequisites: Consent of instructor.

COM 793 - Independent Study Credits 1 – 3

Supervised study and practical experience in subjects and projects determined in consultation with a faculty member. Students wishing to take this course must consult with the faculty member prior to registration. Notes: May be repeated to a maximum of three credits.

COM 794 - Special Readings Credits 3

Content dependent upon the instructor's interest and expertise, as well as student interest and requirements.

COM 797 - Thesis Credits 3

This course is approved for use in graduate programs for Master of Arts candidates. Notes: May be repeated but only six credits applied to the student's program. Grading S/F grading only.

Criminal Justice

The Department of Criminal Justice offers three graduate program degrees: a Ph.D. in Criminology and Criminal Justice, a Master of Arts in Criminal Justice, and a Master of Science in Emergency and Crisis Management. The Department of Criminal Justice also offers a Graduate Certificate in Emergency Crisis Management Cybersecurity.

The Criminology and Criminal Justice Ph.D. provides an interdisciplinary, research-oriented perspective for advanced understanding of the nature and causes of crime, consequences of crime and crime control, society's reaction to these phenomena, as well as the organizations that are designed to deter, apprehend, prosecute, and punish criminal offenders. The program prepares students for research, teaching and professional employment at universities, research institutes, and criminal justice related agencies, including, governmental agencies, related non-profit agencies, public policy institutes, or the private sector. The program offers a post-bachelor's track and a post-master's track.

The Criminal Justice Master of Arts degree is a broad-based graduate program. The program addresses issues of crime and criminal justice within an analytical framework and emphasizes theory and research and their implications for social policy. The curriculum is grounded in the social and behavioral sciences and in legal approaches to crime and social control. It draws from contemporary research and theoretical developments across a spectrum of academic disciplines. There are two M.A. degree options. The traditional master's degree is designed to prepare students for doctoral studies in the field and in related areas of the social and behavioral sciences. Those who obtain this degree may also assume teaching positions at the community college level. The professional master's degree is designed to serve the needs of professionals currently working in justice-related agencies by providing the knowledge and skills to enhance their performance in current positions and/or prepare them for career advancement.

The Emergency and Crisis Management Master of Science program prepares students for success in the rapidly growing emergency management profession. The program is designed for individuals to develop skills that enable them to prepare for, respond to, and recover from natural and human-created emergencies and crises. Faculty who teach in the program have backgrounds working in high-level positions at the Department of Homeland Security, the Federal Emergency Management Program, the Federal Bureau of Investigation, as well as many state and municipal agencies. The program also capitalizes on our location in the dynamic city of Las Vegas and provides opportunities for students to study Tourism Security and Crowd Management issues with our internationally recognized academic faculty, and our strong connections to the local public safety and hospitality industry.

The Graduate Certificate in Emergency Management Cybersecurity is designed to prepare decision makers to address the growing challenges of managing effective cybersecurity practices and mitigating threats within public and private organizations, including small businesses. The knowledge and skills gained in this certificate program are intended to be applied to interdisciplinary business practices with high regulatory frameworks. Students will learn to develop business continuity and recovery strategies that identify mission essential functions and time-critical tasks, and will understand legal ramifications relevant to cybersecurity. The program is designed for individuals who do not have technological backgrounds, but who must still prepare for, and respond to, the ever-present danger of cyber-attacks.

Joel Lieberman, Ph.D., Chair

Tamara D. Herold, Ph.D., Graduate Coordinator

Dory Mizrachi, Ph.D., Graduate Coordinator

Criminal Justice Faculty

Chair

Lieberman, Joel D. - Full Graduate Faculty
Professor; B.A., State University of New York at Stony Brook; M.A., Ph.D., University of Arizona. Rebel since 1997.

Graduate Coordinator

Herold, Tamara D. - Full Graduate Faculty
Associate Professor; B.A., M.A., California State University, San Bernardino; Ph.D., University of Cincinnati. Rebel since 2008.

Graduate Faculty

Hangawatte, Karu

Assistant Professor; LL.B. University of Ceylon; M.A., Ph.D., University of New York at Albany. Rebel since 1984.

Kennedy, M. Alexis - Full Graduate Faculty

Associate Professor; B.A., University of Toronto; LL.B., University of Manitoba; M.A., Ph.D., University of British Columbia. Rebel since 2005.

Lu, Hong - Full Graduate Faculty

Professor; LL.B., Law School, Fudan University; M.A., Indiana University; Ph.D., Arizona State University. Rebel since 1998.

Miethe, Terance D. - Full Graduate Faculty

Professor; B.A., Western Washington State College; M.A., Western Washington University; Ph.D., Washington State University. Rebel since 1993.

Park, Seong - Full Graduate Faculty

Assistant Professor; B.A., Korean National Police University, M.A., Sam Houston State University, M.S., University of Cincinnati, Ph.D., University of Cincinnati. Rebel since 2016.

Pinchevsky, Gillian - Full Graduate Faculty

Associate Professor; B.A., University of Florida, Gainesville; M.A., University of Maryland, College Park; Ph.D., University of South Carolina, Columbia. Rebel since 2013

Rorie, Melissa L. - Full Graduate Faculty

Associate Professor; B.A., California State at Los Angeles; M.A., Memphis State University; Ph.D., Southern Illinois University at Carbondale. Rebel since 2013.

Shelden, Randall G. - Full Graduate Faculty
Professor; B.A., California State at Los Angeles;
M.A., Memphis State University; Ph.D., Southern
Illinois University at Carbondale. Rebel since 1977.

Sousa, William H. - Full Graduate Faculty
Professor; B.A., Stonehill College; M.S., Northeastern
University; Ph.D., Rutgers University. Rebel since 2004.

Troshynski, Emily I. - Full Graduate Faculty
Associate Professor; B.A., University of St. Thomas;
M.Sc., London School of Economics and Political Science;
Ph.D., University of California, Irvine. Rebel since 2011.

Plan

Graduate Certificate in Emergency Management
Cybersecurity

Master of Arts - Criminal Justice

Master of Science - Emergency and Crisis Management

Doctor of Philosophy - Criminology and Criminal Justice

Graduate Certificate in Emergency Management Cybersecurity

Plan Description

The Graduate Certificate in Emergency Management Cybersecurity is a online certificate offered by the Department of Criminal Justice.

The certificate is designed to prepare decision makers to address the growing challenges of managing effective cybersecurity practices and mitigating threats within public and private organizations, including small businesses.

The knowledge and skills gained in this certificate program are intended to be applied to interdisciplinary business practices with high regulatory frameworks. Students will learn to develop business continuity and recovery strategies that identify mission essential functions and time-critical tasks, and will understand legal ramifications relevant to cybersecurity.

The program is designed for individuals who do not have technological backgrounds, but who must still prepare for, and respond to, the ever-present danger of cyber-attacks.

Plan Admission Requirements

Application deadlines Applications available on the UNLV Graduate College website.

All applicants must review and follow the Graduate College Admission and Registration Requirements.

Applicants must present:

- A baccalaureate degree from a regionally accredited college or university.
- A current resume which should indicate professional experience in the field of policy making or IT management All the above should be submitted online through the Graduate College admissions

application.

Students are accepted into a certificate program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

Total Credits Required: 12

Course Requirements

Required Courses – Credits: 12

- ECEM 702 - Cyber Law - Digital Intellectual Property & Privacy
- ECEM 710 - Crisis and Emergency Management
- ECEM 735 - Concept Implementation & Cyber Lab
- ECEM 700 - Introduction to Cybersecurity

Certificate Requirements

Complete all required courses, 12 credits total.

Plan Certificate Completion Requirements

- The student must submit all required forms to the Graduate College and then apply for graduation in MyUNLV by the appropriate deadline.
- Attend the summer cohort.

Master of Arts - Criminal Justice

Plan Description

The Traditional Master of Arts degree program in Criminal Justice is designed to improve a student's understanding of the nature, causes, and consequences of crime and crime control. Based on the tradition of the liberal arts, the program emphasizes the symbiotic relationship between crime and the structure of society and the interplay between criminal justice theory and practice. These relationships are explored through course work in criminological theory, law and social control, the administration of justice, and crime and public policy. By completing the requirements for this program, students will be prepared for teaching at the community college level and doctoral study in crime and criminal justice.

Designed for the full-time criminal justice professional, the Professional Master of Art's degree program in Criminal Justice provides students with advanced knowledge of the nature of crime, criminal justice institutions and processes, current criminal justice policy and training in research methods, statistics, and program evaluation. The program will also be open to students seeking a terminal master's degree and a career in the criminal justice system. Upon completion of the program, students will have furthered their understanding of crime, the criminal justice system, and be able to conduct evaluations of policies and programs within various agencies in the justice system.

For more information about your program, including your graduate program handbook and learning outcomes, please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

1. An undergraduate degree from an institution with regional or national accreditation is required. Students are encouraged to complete some undergraduate course work related to criminal justice/criminology, and statistics in social sciences. A minimum GPA of 2.75 for all undergraduate work and a 3.00 for the last two years of undergraduate work is required for admission to the program.
2. The Graduate Record Examination (GRE) is required for admission.
3. A Criminal Justice Graduate Program Application Cover Page must be completed.
4. A statement of purpose for pursuing the Master of Arts Degree, addressing the student's particular interests in the field of criminal justice and his or her future academic and/or professional goals, must be provided at the time of application.
5. Two letters of recommendation are required. It is preferred that both letters be from professors from whom the applicant took the classes. If the applicant completed the undergraduate degree work within the past five years, it is required that at least one letter be from a professor, unless the applicant can document the reasons why a letter from a former professor is difficult to obtain. If the applicant completed the undergraduate degree work more than five years ago and is currently working in a criminal justice-related field, two letters may be obtained from the applicant's direct supervisor or co-workers. References from other sources will not be reviewed.
6. The admissions process requires submitting all information and materials through the UNLV Graduate College Online Application. See the Criminal Justice Department website for more details.
7. All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

See Subplan Requirements below.

Subplan 1 Requirements: Traditional Track

Total Credits Required: 36

Course Requirements

Required Courses – Credits: 18

- CRJ 700 - Proseminar in Criminal Justice
- CRJ 701 - Proseminar on Theory
- CRJ 702 - Proseminar on Research Methods
- CRJ 703 - Proseminar on Statistics
- CRJ 704 - Proseminar on Law and Social Control
- CRJ 705 - Proseminar on the Administration of Justice

Criminal Justice Elective Courses – Credits: 6

Complete 6 credits of 600- or 700-level Criminal Justice courses. CRJ 716 and CRJ 799 may not be used to fulfill this requirement.

General Elective Courses – Credits: 6

Complete 6 credits of 600- or 700-level courses. Courses may be from Criminal Justice, from the following approved list of electives, or by advisor-approval:

- ENV 703 - Environmental Law and Policy Seminar
- LAW 639 - Feminist Jurisprudence
- LAW 642 - Law and Social Justice
- LAW 644 - Juvenile Law
- LAW 646 - Cyberlaw
- LAW 653 - Criminal Procedure I
- LAW 658 - Immigration Law
- LAW 666 - Domestic Violence and the Law
- PSC 710R - Proseminar in American Politics
- PSC 713 - American National Government: Principles
- PSC 714 - American National Government: Structure and Processes
- PSC 719 - Advanced Studies in American Politics
- PSC 721 - Public Policy Process
- PSC 723 - Policy Analysis
- PSC 729 - Advanced Studies in Public Policy
- PSC 732 - Constitutional Law
- PSC 739 - Advanced Studies in Public Law
- PSC 740 - Proseminar in International Relations
- PSC 754 - Global Governance
- PSC 755 - International Security
- PSC 759 - Advanced Studies in International Relations
- PSC 760R - Proseminar in Comparative Politics
- PSY 704 - Social Psychology
- PSY 736 - Psychopathology
- SOC 701 - Logic of Social Inquiry

- SOC 704 - Advanced Analytical Techniques
- SOC 705 - Qualitative Methods
- SOC 719 - Seminar in Deviance and Disorganization
- SOC 723 - Classical Sociological Theory
- SOC 724 - Issues in Contemporary Sociological Theory
- SOC 741 - Graduate Seminar in Social Stratification
- SOC 742 - Sociology of Gambling
- SOC 748 - Gender, Sex, Society
- SOC 773 - Seminar in Drug Use and Abuse
- SOC 774 - Seminar in Feminist Theories and Research
- SW 701 - Social Welfare Policy I
- SW 715 - Human Behavior and the Social Environment I
- WMST 700 - Introduction to Women's Studies
- WMST 701 - Feminist Theory

Thesis – Credits: 6

- CRJ 797 - Master's Thesis in Criminal Justice

Degree Requirements

1. Complete a minimum of 36 credits at the 600- and 700-level with a minimum GPA of 3.00.
2. A maximum of 9 credits of 600-level course work is allowed.
3. Students may select up to 6 hours of approved graduate study in other social or behavioral sciences or in graduate programs formally approved by the department. An approved list of outside electives is available at the Criminal Justice website. Students must obtain an approval from Graduate Coordinator to take an outside elective course that is not on the approved list.
4. All students are required to write a thesis. The thesis will be written under the direction of a committee of three graduate faculty and chaired by a member of the faculty in Criminal Justice. One member of the thesis committee is a graduate faculty member from outside the Department of Criminal Justice. An additional committee member may be added at the student and department's discretion. Please see Graduate College policy for committee appointment guidelines.
5. Upon completion of the course work and thesis, an oral examination related to the general field and thesis is required of all students. The examination will be administered by the student's thesis committee and a representative from outside the department chosen by the Graduate College. The oral examination will assess:

6. a. The student's competency in defending the substantive, theoretical, and methodological topics covered by the thesis.
- b. His or her general knowledge, including the ability to integrate topics covered by core and elective criminal justice classes and to apply core fundamentals to important issues.

Graduation Requirements

See Plan Graduation Requirements below.

Subplan 2 Requirements: Professional Track

Total Credits Required: 36

Course Requirements

Required Courses – Credits: 18

- CRJ 700 - Proseminar in Criminal Justice
- CRJ 701 - Proseminar on Theory
- CRJ 702 - Proseminar on Research Methods
- CRJ 703 - Proseminar on Statistics
- CRJ 705 - Proseminar on the Administration of Justice
- CRJ 715 - Criminal Justice Policy

Criminal Justice Elective Courses – Credits: 9

Complete 9 credits of 600- or 700-level Criminal Justice courses. CRJ 716 and CRJ 799 may not be used to fulfill this requirement.

General Elective Courses – Credits: 6

Complete 6 credits of 600- or 700-level courses. Courses may be from Criminal Justice, from the following approved list of electives, or by advisor-approval:

- ACC 706 - Auditing Theory and Applications
- BIOL 701 - Ethics in Scientific Research
- BIOL 703 - Biochemical Genetics
- CED 715 - Counseling and Consultation Theories
- CED 732 - Advanced Multicultural Counseling
- CED 735 - Addictions Counseling
- CED 745 - Assessment, Treatment, and Case Management in Addictions
- CED 755 - Planning, Management, and Evaluation of Addictions and Mental Health Programs
- CED 766 - Psychopathology and Wellness Models in Counseling
- LAW 606 - Evidence
- LAW 616 - Criminal Law
- LAW 622 - Introduction to Gaming Law
- MBA 771 - Law and Ethics
- CFT 783 - Trauma and Abuse

- PAF 701 - Origins and Development of Public Policy in America
- PAF 702 - Role of Government in Society
- PUA 701 - Governance and the Urban Community
- PUA 705 - Public Goods and Public Finance
- PUA 711 - Seminar in Administrative Behavior
- PUA 715 - Administrative Law
- PUA 718 - Career Development and Performance Appraisal in the Public Sector
- PUA 751 - Origins and Development of Public Policy in America
- SW 675 - Treatment of Addictions
- ULD 701 - Leading Ethical Organizations
- ULD 730 - Leading in Diverse Communities

Comprehensive Exam – Credits: 3

- CRJ 796 - Comprehensive Examination

Degree Requirements

1. Completion of a minimum of 36 credits at the 600- and 700-level with a minimum GPA of 3.00.
2. A maximum of 9 credits of 600-level courses can be used toward the degree.
3. Students may take a maximum of 9 total credits of Independent Study and/or Graduate Readings for use toward the degree.

Graduation Requirements

See Plan Graduation Requirements below.

Plan Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
2. The student must successfully pass a comprehensive exam.

Master of Science - Emergency and Crisis Management

Plan Description

The University of Nevada, Las Vegas (UNLV) Department of Criminal Justice is pleased to offer a Master of Science Degree in Emergency and Crisis Management (ECM). The ECM professional degree program prepares students for success in the rapidly growing emergency management profession. The program is designed for individuals to develop skills that enable them to prepare for, respond to, and recover from natural and human-created emergencies and crises.

This degree gives students the theoretical and practical knowledge necessary to become leaders in the field of emergency and crisis management. Students attend five on-campus meetings during the course of the two year program. These meetings facilitate the opportunity for students to meet with faculty and experts in the field, network, and to gain hands-on experience in the unique location of Las Vegas.

Faculty who teach in the program have backgrounds working in high-level positions at the Department of Homeland Security, the Federal Emergency Management Agency, the Federal Bureau of Investigation, as well as many state and municipal agencies. The program capitalizes on our location in the dynamic city of Las Vegas and provides opportunities for students to study Tourism Security and Crowd Management issues with our internationally recognized academic faculty, and our strong connections to the local public safety and hospitality industry.

Please note that the ECM program is a special tuition and fee-based program approved by the Board of Regents. To find the current fee structure, please call (702) 895-0236.

For more information about your program, including your graduate program handbook and learning outcomes please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

1. A minimum grade point average of 2.75 overall for all undergraduate work. When GPA is below 2.75, applicant will need to submit a detailed account of how their work history and/or educational experiences relate(s) to the program
2. A completed Graduate College application.
3. Submission of official transcripts from all colleges and universities attended.
4. A resume which should indicate professional experience.
5. A personal statement
6. Three letters of recommendation. Letters need to be from either academic (at the undergraduate level or higher) or professional sources (direct supervisors or co-workers).
7. A nonrefundable admission application fee, payable by credit card, check, or money order. Checks or money orders should be made payable to Board of Regents.

All the above should be submitted online through the Graduate College admissions application.

All domestic and international applicants must review and follow the Graduate College Admission and Registration

Requirements.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

Total Credits Required: 36

Course Requirements

Required Courses – Credits: 27

- ECEM 711 - Crisis and Emergency Management
- ECEM 714 - Community Resilience
- ECEM 716 - Technology in Emergency Management
- ECEM 721 - Leadership, Innovation, and Adaptability
- ECEM 724 - Exercise Design and Response Plan
- ECEM 725 - Crisis Communication
- ECEM 726 - Trauma and Stress Management
- ECEM 731 - Risk Assessment, Mitigation and Communication
- ECEM 733 - Response and Recovery

Additional Required Courses - Credits: 3

Students are required to complete either ECEM 722 or ECEM 723.

- ECEM 722 - Community Preparedness

or

- ECEM 723 - Human Considerations

Elective Courses - Credits: 3

Students must choose one of the three courses listed below.

- ECEM 712 - Science of Catastrophes
- ECEM 713 - Evolution of Terrorism
- ECEM 715 - Special Topics in Emergency and Crisis Management

Culminating Experience – Credits: 3

- ECEM 734 - Research in the Implementation of Concepts in Crisis and Emergency Management

Degree Requirements

1. Completion of a minimum of 36 credit hours with a minimum GPA of 3.00.
2. The degree requires the twelve courses listed above (36 credits), taken both on-line and on campus. All students who enter the program are expected to complete the program as a cohort. Each cohort will come to campus for five weekend on-campus sessions; the remainder of the educational experience involves interaction with instructors and classmates

via web-based application, e-mail, and telephone.

Plan Graduation Requirements

The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.

Doctor of Philosophy - Criminology and Criminal Justice

Plan Description

The Criminology and Criminal Justice Ph.D. provides an interdisciplinary, research-oriented perspective for advanced understanding of the nature and causes of crime, consequences of crime and crime control, and society's reaction to these phenomena. Students are trained to conduct research and teach at the undergraduate and graduate levels in a wide range of criminal justice areas. In addition, students are trained to assume advanced administrative positions in criminal justice agencies, related non-profit agencies, public policy institutes, or the private sector.

For more information about your program, including your graduate program handbook and learning outcomes please visit the Degree Directory.

Plan Admissions

See Plan Admissions requirements below:

Admissions 1: Post-Bachelor's Track

1. A bachelor's degree from an accredited institution with at least 18 hours of criminal justice-related courses
2. A final minimum cumulative undergraduate GPA of 3.0 on a 4.0 scale - competitive GPAs are expected to be 3.5 or higher
3. Submission of Verbal, Quantitative, and Writing Graduate Record Exam (GRE) scores - competitive minimum GRE scores are 153 for Quantitative Reasoning, 155 for Verbal Reasoning, and 4.5 for Analytical Writing
4. Three letters of recommendation that address the applicant's character, work ethic, and potential to successfully complete a doctoral program - letters from faculty or academic supervisors are preferred
5. One academic writing sample
6. A personal statement of approximately 500 to 1,000 words describing personal and academic background, research interests, professional goals, a primary faculty member with whom the applicant wishes to work, and any other factors that suggest the applicant will perform well in the program
7. A personal interview with program faculty members if selected as a finalist
8. The admissions process requires submitting all

information and materials through the UNLV Graduate College Online Application. See the Criminal Justice Department website for more details.

9. All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.

Application deadlines

Applications available on the UNLV Graduate College website.

Admissions 2: Post-Master's Track

1. A master's degree in criminal justice from an accredited institution - exceptions may be made in exceptional cases if the candidate holds a master's degree in a criminal justice-related discipline
2. A final minimum cumulative graduate GPA of 3.5 on a 4.0 scale - competitive GPAs are expected to be 3.7 or higher
3. Submission of Verbal, Quantitative, and Writing Graduate Record Exam (GRE) scores - competitive minimum GRE scores are 153 for Quantitative Reasoning, 155 for Verbal Reasoning, and 4.5 for Analytical Writing
4. Three letters of recommendation that address the applicant's character, work ethic, and potential to successfully complete a doctoral program - letters from faculty or academic supervisors are preferred
5. A master's thesis and/or at least two original research papers written solely by the applicant - all submissions must be in English
6. A personal statement of approximately 500 to 1,000 words describing personal and academic background, research interests, professional goals, a primary faculty member with whom the applicant wishes to work, and any other factors that suggest the applicant will perform well in the program
7. A personal interview with program faculty members if selected as a finalist
8. The admissions process requires submitting all information and materials through the UNLV Graduate College Online Application. See the Criminal Justice Department website for more details.
9. All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.

Application deadlines

Applications available on the UNLV Graduate College website.

Plan Requirements

See Subplan Requirements below.

Subplan 1 Requirements: Post-Bachelor's Track

Subplan 2 Requirements: Post-Master's Track

Subplan 1 Requirements: Post-Bachelor's Track

Total Credits Required: 90

Course Requirements

Required Courses - Credits: 30

- CRJ 700 - Proseminar in Criminal Justice
- CRJ 701 - Proseminar on Theory
- CRJ 702 - Proseminar on Research Methods
- CRJ 703 - Proseminar on Statistics
- CRJ 704 - Proseminar on Law and Social Control
- CRJ 705 - Proseminar on the Administration of Justice
- CRJ 714 - Proseminar on Law and Criminal Justice Theory
- CRJ 715 - Criminal Justice Policy
- CRJ 719 - Proseminar on Advanced Statistics
- CRJ 724 - Applied Research in Criminal Justice

Thesis/ Comprehensive Exam - Credits 6

- CRJ 797 - Master's Thesis in Criminal Justice
- or
- CRJ 796 - Comprehensive Examination

After successfully completing the requirements above, students are eligible to earn the Master of Arts –Criminal Justice.

Additional Required Courses – Credits: 6

- CRJ 733 - Criminal Justice Teaching Practicum
- CRJ 798 - Applied Project in Criminal Justice

Elective Courses - Credits: 24

Complete 24 credits of any advisor approved 600- or 700-level courses. A maximum of 9 elective credits can be earned by taking CRJ 716 and/or CRJ 799 courses.

Doctoral Comprehensive Exam - Credits: 6

- CRJ 794 - Doctoral Comprehensive Examination

Dissertation - Credits: 18

- CRJ 795 - Dissertation

Degree Requirements

1. All core courses must be completed with a grade of "B" or better. A failed course, proficiency examination, or comprehensive examination can be repeated only once. Failed proficiency examinations or comprehensive examinations must be repeated on the next available departmental test date.
2. Students will be placed on academic probation if:
 1. A grade lower than a B is earned in two or more classes

2. The student's overall GPA drops below a cumulative 3.20 average

3. The student fails any proficiency or comprehensive examination

3. Students are expected to follow the curriculum plan (outlined above) for their specific track. Students who deviate from the curriculum plan track must adhere to maximum time permitted for degree completion.

4. Maximum time permitted for degree completion:

1. Post-Bachelor's Track: 8 academic years

2. Students may petition the department to extend these time requirements in exceptional cases

Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements for both the Master's and Doctoral portions of the program.

2. The student must submit and successfully defend his/her thesis or comprehensive exam by the posted deadline. The thesis defense must be advertised and is open to the public.

3. If a thesis is completed, the student must submit his/her approved, properly formatted document to the Graduate College, and submit the approved electronic version to ProQuest by the posted deadline.

4. The student must submit and successfully defend his/her dissertation by the posted deadline. The defense must be advertised and is open to the public.

5. Student must submit his/her approved, properly formatted dissertation to the Graduate College, and submit the approved electronic version to ProQuest by the posted deadline.

Subplan 2 Requirements: Post-Masters Track

Total Credits Required: 72

Course Requirements

Required Courses - Credits: 18

- CRJ 714 - Proseminar on Law and Criminal Justice Theory
- CRJ 715 - Criminal Justice Policy
- CRJ 719 - Proseminar on Advanced Statistics
- CRJ 724 - Applied Research in Criminal Justice
- CRJ 733 - Criminal Justice Teaching Practicum
- CRJ 798 - Applied Project in Criminal Justice

Elective Courses - Credits: 30

Complete 30 credits of any advisor approved 600- or 700-level courses. A maximum of 9 elective credits can be earned by taking CRJ 716 and/or CRJ 799 courses.

Comprehensive Exam - Credits: 6

- CRJ 794 - Doctoral Comprehensive Examination

Dissertation - Credits: 18

- CRJ 795 - Dissertation

Degree Requirements

1. All core courses must be completed with a grade of "B" or better. A failed course, proficiency examination, or comprehensive examination can be repeated only once. Failed proficiency examinations or comprehensive examinations must be repeated on the next available departmental test date.

2. Students will be placed on academic probation if:

1. A grade lower than a B is earned in two or more classes

2. The student's overall GPA drops below a cumulative 3.20 average

3. The student fails any proficiency or comprehensive examination

3. Students are expected to follow the curriculum plan (outlined above) for their specific track. Students who deviate from the curriculum plan track must adhere to maximum time permitted for degree completion.

4. Maximum time permitted for degree completion:

1. Post-Master's Track: 6 academic years

2. Students may petition the department to extend these time requirements in exceptional cases.

Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.

2. The student must submit and successfully defend his/her dissertation by the posted deadline. The defense must be advertised and is open to the public.

3. Student must submit his/her approved, properly formatted dissertation to the Graduate College, and submit the approved electronic version to ProQuest by the posted deadline.

Plan Graduation Requirements

See Subplan for Graduation Requirements

Criminal Justice Courses

CRJ 611 - Comparative Criminal Justice Systems Credits 3

Analysis of the development, function, and problems of foreign criminal justice systems. Emphasis on comparisons to the American system. Notes: This course is crosslisted with CRJ 411. Credit at the 600-level requires additional work.

CRJ 628 - Women and Crime Credits 3

Women as offenders and as processed through the criminal justice system; women as victims and the response of the criminal justice system and the community. Same as WMST 428 Notes: This course is crosslisted with CRJ 428. Credit at the 600-level requires additional work.

CRJ 641 - Social Science in Law Credits 3

Use of social science as a tool for a legal analysis. Examines the utility of empirical research in determining substantive legal issues such as community defenses, the use of offender profiles in criminal procedure, the death penalty and the size of juries. Notes: This course is crosslisted with CRJ 441. Credit at the 600-level requires additional work.

CRJ 700 - Proseminar in Criminal Justice Credits 3

Provides an introduction to graduate studies in Criminal Justice. Students are exposed to information regarding the main components of the criminal justice system, including: law enforcement, courts, and the correctional system. Prerequisites: Graduate standing in criminal justice.

CRJ 701 - Proseminar on Theory Credits 3

History of criminological thought. Contemporary and classical theories of crime. Attention to social, cultural, and psychological perspectives. Prerequisites: Graduate standing in criminal justice or consent of instructor.

CRJ 702 - Proseminar on Research Methods Credits 3

Methods and applications of quantitative and qualitative research. Relationships among theory, research, and social policy. Development and interpretation of research reports. Prerequisites: Graduate standing in criminal justice or consent of instructor and satisfactory completion of an undergraduate course in research methods.

CRJ 703 - Proseminar on Statistics Credits 3

Univariate and multivariate techniques. Use of computerized statistical packages in the social and behavioral sciences. Practical applications in statistical problem-solving using primary and secondary data sources. Prerequisites: Graduate standing in criminal justice or consent of instructor and satisfactory completion of an undergraduate statistics course.

CRJ 704 - Proseminar on Law and Social Control Credits 3

Nature of law and legal institutions. Relationships between law and other forms of social control. Theory and research on the development and implementation of law. Prerequisites: Graduate standing in criminal justice or consent of instructor.

CRJ 705 - Proseminar on the Administration of Justice Credits 3

Structures, functions, and operations of criminal justice organizations. Formal and informal organizational structures and their relationships to the broader social, political, and legal institutions. Prerequisites: Graduate standing in criminal justice or consent of instructor.

CRJ 706 - Seminar on the Nature of Crime Credits 3

Investigation of selected theoretical perspectives and particular types of crime and criminality. Notes: Specific subject matter varies by semester. May be repeated to a maximum of six credits. Prerequisites: Graduate standing in criminal justice or consent of instructor.

CRJ 707 - Policing Credits 3

Police organization and subculture, occupational socialization, police community relations, occupational deviance, policy formation, and related issues discussed. Notes: Specific subject matter varies by semester. Prerequisites: Graduate standing in criminal justice or consent of instructor.

CRJ 708 - Seminar on Law and Legal Process Credits 3

Development and implementation of criminal law. May focus on issues related to the legislative process, the criminal courts, case law, and legal reform. Notes: Specific subject matter varies by semester. May be repeated to a maximum of six credits. Prerequisites: Graduate standing in criminal justice or consent of instructor.

CRJ 709 - Delinquency and Juvenile Justice Credits 3

Historical development and current practices of juvenile courts and treatment institutions. Emphasis on the relationship between delinquency theory, research, and policy formulation, with particular attention to programs of delinquency prevention. Prerequisites: Graduate standing in criminal justice or consent of instructor.

CRJ 712 - Punishment and Corrections..... Credits 3

Philosophies and practices of punishment and corrections. Contemporary theory, the prison environment, work and rehabilitation programs, parole, overcrowding, capital punishment, and alternatives to imprisonment. Prerequisites: Graduate standing in criminal justice or consent of instructor.

CRJ 713 - Victimization Credits 3

Problems confronted by victims of crime. The role of the victim in criminal offenses. Policy, advocacy issues, and victims' rights. Prerequisites: Graduate standing in criminal justice or consent of instructor.

CRJ 714 - Proseminar on Law and Criminal Justice Theory Credits 3

This seminar introduces major theories and paradigms within the disciplines of law and society, and criminal justice. It examines the social and historical context in which these theories were formed, illustrates the basic elements necessary for theory construction or testing, and critically assesses the strengths and weaknesses of the theories. Prerequisites: CRJ 701 and CRJ 702, Graduate standing in criminal justice, consent of instructor.

CRJ 715 - Criminal Justice Policy Credits 3

Contemporary policies in criminal justice. Relationships among theory, policy, and practice. Attention to public opinion, legislative process, law enforcement administration, the courts, appellate review, issues of intergroup conflict, and civil rights. Prerequisites: Graduate standing in criminal justice or consent of instructor.

CRJ 716 - Graduate Readings in Criminal Justice Credits 3

With faculty supervision, students pursue a personalized program of readings related to specific issues in criminal justice. Prerequisites: CRJ 701 and CRJ 702 and Graduate standing in criminal justice or consent of instructor.

CRJ 718 - History of Criminology Credits 3

Explores the development of the discipline of criminology from its European origin in the Middle Ages and Renaissance up to the work of the leading criminologists and perspectives in the 20th century.

CRJ 719 - Proseminar on Advanced Statistics Credits 3

Overview of advanced statistical models such as Generalized Linear Model (Poisson, Negative binomial), Multilevel Models (Hierarchical Linear/Nonlinear Models), and Structural Equation Models. Introduction to advanced data analysis using STATA and M-plus programs. Application of advanced statistical methods to diverse secondary data. Prerequisites: CRJ 703 or consent of the instructor.

CRJ 720 - Drug Policies in the United States Credits 3

Explores efforts to deal with the drug problem in America, covering especially the history of drug use and drug policies. Examination of the impact of drug policies racial minorities and poor communities. Focus on recent legislative developments and the overall impact on society will also be included.

CRJ 723 - Qualitative Research Methods in Criminology and Criminal Justice Credits 3

An examination of qualitative research methodologies including epistemological assumptions, grounded theory, data collection, data analysis and interpretation.

CRJ 724 - Applied Research in Criminal Justice Credits 3

Survey of research and statistical methods appropriate for evaluating criminal justice programs. Nature and role of program evaluation; impact and process assessment; presentation and interpretation of statistical results, ethics and politics of evaluation research. Prerequisites: CRJ 701, CRJ 702, CRJ 703

CRJ 733 - Criminal Justice Teaching Practicum Credits 3

Provides an overview of effective teaching and mentoring strategies for those who will teach in justice-related fields. Emphasis is placed on developing learning activities that build discipline-specific skills and support clear course objectives. Prerequisites: Graduate standing in criminal justice or consent of instructor.

CRJ 740 - Autonomous Systems, Drones and Driverless Vehicles: Policy and Legal Considerations Credits 3

This course will explore policy and legal challenges related to the utilization of autonomous systems (e.g. drones, driverless vehicles) for civil and commercial use (including law enforcement work), the relationship between technology and policy, and the future of autonomous systems as tools for good, or instruments of malfeasance.

CRJ 794 - Doctoral Comprehensive Examination Credits 3

Doctoral students must pass a written comprehensive examination designed to test students' ability to synthesize a body of knowledge in criminology and criminal justice. May be repeated up to six credits. Grading Satisfactory/Fail Prerequisites: Department approval

CRJ 795 - Dissertation Credits 1-9

Research, analysis, and writing toward completion of the dissertation and preparation for subsequent oral defense. Students are required to complete eighteen credits for their doctoral degree; may register for additional credits that will not count toward degree. Grading S/F grading only Prerequisites: Department consent

CRJ 796 - Comprehensive Examination Credits 3

As part of the requirements for the Professional Degree Program, students must pass a written comprehensive examination designed to test students' ability to synthesize a body of knowledge in criminal justice. Notes: May be repeated to a maximum of six credits. Prerequisites: CRJ 700, CRJ 702, CRJ 703, CRJ 705

CRJ 797 - Master's Thesis in Criminal Justice Credits 3 or 6

Development of a research design and analysis of data relating to an issue of theoretical and empirical significance. Students expected to display the ability to integrate the elements of the core courses and related program of study. Notes: May be repeated to a maximum of six credits. Grading S/F grading only. Prerequisites: CRJ 701, CRJ 702, CRJ 703, CRJ 704, and CRJ 705 and Graduate standing in criminal justice, consent of instructor.

CRJ 798 - Applied Project in Criminal Justice Credits 3

Research application in criminal justice or an evaluation of a specific criminal justice program. Notes: May be repeated to a maximum of six credits. Prerequisites: CRJ 701, CRJ 702, CRJ 703, CRJ 704, CRJ 705, and CRJ 724

CRJ 799 - Independent Study in Criminal Justice Credits 3-21

Directed research on an issue of contemporary significance in criminal justice, culminating in the development of a research paper. Notes: May be repeated to a maximum of twenty-one credits. Prerequisites: CRJ 701 and CRJ 702 and Graduate standing in criminal justice or consent of instructor.

ECEM 714 - Community Resilience Credits 3

Examination of the structure and function of organizations involved in emergency management within a disaster resilience context. The operation of diverse organizations involved in developing sustainable communities is explored, with a focus on intergovernmental issues and political systems which emergency managers must navigate when preparing for, and responding to emergencies. Prerequisites: Admission into the ECEM program.

ECEM 715 - Special Topics in Emergency and Crisis Management Credits 3

Explores a variety of contemporary issues and challenges in the Emergency and Crisis Management field. Content may differ each semester. Grading Letter Grade.

ECEM 716 - Technology in Emergency Management Credits 3

Examines both the history and current state of technology as applied in the field of emergency management, with a focus on security threats and emergency management applications. Topics include cybersecurity, artificial intelligence, blockchain, quantum computing, and multi-dimensional printing. Grading Letter Grade.

ECEM 721 - Leadership, Innovation, and Adaptability Credits 3

Provides introduction to leadership and organizational theory in the context of emergency management. Examines theory and develops a range of skills in a number of interpersonal areas: conflict management, use of power, group dynamics, and leadership and influence. Prerequisites: Admission into program.

ECEM 724 - Exercise Design and Response Plan Credits 3

Provides a synthesis of student learning by providing thorough instruction in the fundamentals of simulating disasters, planning and conducting table-top exercises, planning and conducting functional full-scale exercises, as well as drafting organizational response plans. Grading Letter Grade. Prerequisites: Graduate Standing and graduate coordinator consent.

ECEM 725 - Crisis Communication Credits 3

Focuses on communication during emergencies, crises, and other situations where high levels of uncertainty exist. Emphasis on communicating to different audiences, such as media, disaster victims, first responders, and other leaders involved in emergency management. Grading Letter Grade

ECEM 726 - Trauma and Stress Management Credits 3

Addresses the role of stress and trauma on the mental health of community members, first responders, and emergency managers. Focuses on exploring challenges of secondary victimization, compassion fatigue, and developing resilience strategies for managing mental health issues when dealing with emergencies and crises. Grading Letter Grade.

Hank Greenspun School of Journalism and Media Studies

The Hank Greenspun School of Journalism and Media Studies offers the master of arts degree, a course of study designed to emphasize methodological and theoretical exploration. JMS courses help students acquire tools for conducting graduate-level research and for producing scholarship. The curriculum allows students to investigate areas such as advertising, emerging media, film, the internet, media management, print, public relations, and television, and their effects at social and individual levels. The program aims to develop a deep understanding of the media and to make students experts on journalistic and mass-mediated problems and issues, as well to make them better consumers of media messages, developers of content, and critics of mediated subject matter. Because each student's goals are unique, the program is flexible in developing individual program curricula, offering both traditional and non-traditional thesis options. The objective is to balance the discipline's varied traditions in theory, history, and research with attention paid to emerging media contexts.

Kevin Stoker, Ph.D., Chair

Ben Burroughs, Ph.D., Graduate Coordinator

Journalism and Media Studies Faculty

Chair
Stoker, Kevin

Graduate Coordinator

Burroughs, Benjamin - Full Graduate Faculty
Assistant Professor; B.A., B.S., Brigham Young University-Hawaii; M.A., University of Southern California; M.Sc., London School of Economics and Political Science; Ph.D., University of Iowa. Rebel since 2015.

Graduate Faculty

Bates, Stephen - Full Graduate Faculty
Associate Professor; B.A., J.D., Harvard University. Rebel since 2006.

Borchard, Gregory - Full Graduate Faculty
Professor; B.A., M.A., University of Minnesota; Ph.D., University of Florida. Rebel since 2003.

Kilker, Julian A. - Full Graduate Faculty
Associate Professor; B.A., Reed College; M.S., Ph.D., Cornell University. Rebel since 1999.

Larson, Gary - Associate Graduate Faculty
Associate Professor-in-Residence; B.A., University of Minnesota; M.A., North Dakota State University; Ph.D., University of Minnesota. Rebel since 2000.

Traudt, P.J. - Full Graduate Faculty
Associate Professor; B.A., University of Colorado-Boulder; M.A., University of Utah; Ph.D., University of Texas-Austin. Rebel since 1996.

Venger, Olesya - Full Graduate Faculty
Assistant Professor; B.A., M.A., Kyiv-Mohyla Academy, Ukraine; M.A., Marquette University; M.A., University of Pennsylvania; Ph.D., University of Georgia. Rebel since 2014.

Plan

Master of Arts - Journalism & Media Studies

Master of Arts - Journalism & Media Studies

Plan Description

The Hank Greenspun School of Journalism & Media Studies offers a graduate program of study leading to a Master of Arts degree. Courses of study are designed both for students with a career orientation - in such diverse arenas as human resources, politics, advertising, education, public relations, broadcasting, and social services - and for those who aspire to continue their education in doctoral programs.

All students are required to take four introductory courses: survey of graduate studies, quantitative analysis, qualitative research methods, and theory. Yet because each student's goals are unique, the curriculum allows flexibility in developing individual degree programs. Such development aims to balance the discipline's varied traditions in theoretical, historical, and applied research, with particular attention to the changing culture of the twenty-first century.

For more information about your program, including your graduate program handbook and learning outcomes, please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

The master's degree program is designed to meet the student's professional and/or personal objectives. Although an undergraduate degree in journalism, broadcasting, media studies, or communication is not required for admission to the program, a student without a background in these related fields may be required to complete additional course work at the graduate or undergraduate level in order to satisfy minimum expectations of someone entering a graduate course of study.

- The Hank Greenspun School of Journalism and Media Studies admits graduate students only in the fall semester.
- Review of applications begins March 15.
- For additional information, check the school's website.

Students should send application and college transcripts to the Graduate College. In addition, the following should be sent directly to the Graduate Coordinator of the Hank Greenspun School of Journalism and Media Studies:

1. A copy of your undergraduate transcripts (you must have a GPA of at least 3.00 in the last 90 credits of undergraduate course work).

2. Satisfactory scores on the verbal and quantitative sections of the Graduate Record Examination (GRE).
3. At least three letters of recommendation from people who are able to attest to the applicant's ability to do graduate-level work. At least one of these letters should come from a former or current professor or college-level instructor.
4. A letter of intent detailing the applicant's goals and expectations as a graduate student in journalism and media studies.
5. A writing sample such as a college course term paper.

All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

See Subplan Requirements below.

Subplan 1 Requirements: Thesis Track

Subplan 2 Requirements: Non-Thesis Track

Subplan 1 Requirements: Thesis Track

Total Credits Required: 30

Course Requirements

Required Courses – Credits: 12

- JMS 710 - Graduate Journalism and Media Studies: Overview, resources, and communicating research
- JMS 712 - Quantitative Research Methods
- JMS 730 - Journalism and Media Theory

and 3 credits of graduate-level coursework in qualitative methods (coursework from outside the department of Journalism and Media Studies (JMS) must have the approval of the graduate coordinator).

Journalism & Media Studies Courses – Credits: 6

Complete 6 credits in JMS or other advisor-approved courses.

Elective Courses – Credits: 6

Complete 6 credits of 600- or 700-level elective coursework.

Thesis – Credits: 6

- JMS 798 - Thesis

Degree Requirements

1. Students may elect to present their theses content in traditional or non-traditional formats.

1. The non-traditional thesis must be consistent with

the overall objectives of the program and be approved by the student's thesis committee. There content may be written or take the form of a documentary, drama, public relations campaign, film, video, exhibit, script, website, or any combination approved by the student's thesis committee. In addition, a written research component that follows department and Graduate College formatting guidelines is required.

2. Regardless of the option selected, the entire thesis must be approved by the Graduate College for electronic and university library access purposes. An oral examination of the thesis is required.

2. The Graduate Coordinator is the temporary advisor for all new, incoming graduate students. Before completing 16 credit hours, the student selects a permanent advisor who mentors the student through the remainder of the program and guides them in the thesis or examination process.
3. Students are responsible for determining a program of study with their advisor or Graduate Coordinator.
4. A passing grade in any graduate-level course is B- or better. Any course grade of C+ or lower will not be included in the student's degree program. All grades, pass or fail, are calculated to produce the student's GPA. Students can repeat a course to try to better a grade. To graduate, the master's student must have a GPA of 3.00 or higher in his or her accumulated course work.
5. A student who fails the oral examination for the comprehensive examination is allowed to reschedule the oral examination no sooner than three months after the first attempt. Student will be placed on probation. Failure on the second attempt results in the student being separated from the program.

Subplan 2 Requirements: Non-Thesis Track

Total Credits Required: 30

Course Requirements

Required Courses – Credits: 12

- JMS 710 - Graduate Journalism and Media Studies: Overview, resources, and communicating research
- JMS 712 - Quantitative Research Methods
- JMS 730 - Journalism and Media Theory

and 3 credits of graduate-level coursework in qualitative methods (coursework from outside the department of Journalism and Media Studies (JMS) must have the approval of the graduate coordinator).

Journalism & Media Studies Courses – Credits: 12

Complete 12 credits in JMS or other advisor-approved courses.

Elective Courses – Credits: 6

Complete 6 credits of 600- or 700-level elective coursework.

Degree Requirements

1. The 30-semester-hour non-thesis option culminates in three activities: the satisfactory completion of written comprehensive exams, the submission of a Graduate Education Portfolio, and satisfactory completion of an oral examination. The student works with his/her faculty advisor (whom the student selects) to compose a Faculty Committee. The committee administers the written and oral exam. The development and completion of the Graduate Education Portfolio is negotiated between the student and the faculty advisor.
2. The Graduate Coordinator is the temporary advisor for all new, incoming graduate students. Before completing 16 credit hours, the student selects a permanent advisor who mentors the student through the remainder of the program and guides them in the thesis or examination process.
3. Students are responsible for determining a program of study with their advisor or Graduate Coordinator.
4. A passing grade in any graduate-level course is B- or better. Any course grade of C+ or lower will not be included in the student's degree program. All grades, pass or fail, are calculated to produce the student's GPA. Students can repeat a course to try to better a grade. To graduate, the master's student must have a GPA of 3.00 or higher in his or her accumulated course work.
5. A student who fails the oral examination for the comprehensive examination is allowed to reschedule the oral examination no sooner than three months after the first attempt. Student will be placed on probation. Failure on the second attempt results in the student being separated from the program.

Plan Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
2. The student must submit and successfully defend his/her thesis by the posted deadline. The defense must be advertised and is open to the public.
3. After the thesis defense, the student must electronically submit a properly formatted pdf copy of their thesis to the Graduate College for format check. Once the thesis format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for thesis defenses, format check submissions, and the final ProQuest submission can be found here.

Hank Greenspun School of Journalism and Media Studies Courses

COM 750 - Rhetoric and Everyday Life Credits 3
Offers grounding in core rhetorical concepts with a focus on "everyday" controversies and practical struggles over premises, meanings, norms, values, orientations, and policies. Aims to bring pivotal rhetorical concepts to bear on the lived experiences underpinning social difference.

JMS 601 - The First Amendment and Society Credits 3
Examination of the evolution and contemporary impact of laws relating to communication. Notes: This course is crosslisted with JOUR 401. Credit at the 600-level requires additional work.

JMS 608 - Media Criticism Credits 3
Critical study of the rhetorical dimensions of newspapers, magazines, books, television, and motion pictures. Notes: This course is crosslisted with JOUR 408. Credit at the 600-level requires additional work.

JMS 613 - History Of Journalism Credits 3
History of American mass media from antecedents in medieval Europe to the present. Notes: This course is crosslisted with JOUR 413. Credit at the 600-level requires additional work.

JMS 620 - Visual Literacy Credits 3
Analysis of graphics, film, television, and computer images. Theoretical, critical, and practical application. Hands-on experience emphasized with a lot of pictorial examples viewed and discussed in class. Notes: This course is crosslisted with JOUR 420. Credit at the 600-level requires additional work.

JMS 635 - Mass Communication Research Methods Credits 3
Survey of empirical research methods in communication including laboratory, field, and survey methods and their applications. Notes: This course is crosslisted with JOUR 435. Credit at the 600-level requires additional work.

JMS 684 - Mass Media and Political Communication Credits 3
Analysis of historical and contemporary political discourse. Addresses such topics as presidential rhetoric, electoral campaigns, ethics in political culture, institutional leadership, publics and public opinion, mediated political speech, legislative debates, political socialization. Notes: This course is crosslisted with JOUR 484. Credit at the 600-level requires additional work.

JMS 685 - Mass Media and Society Credits 3
In-depth look at the functions of the press in gathering and disseminating knowledge, news and entertainment; specific attention paid to the role of the press in shaping public opinion and influencing public action. Notes: This course is crosslisted with JOUR 485. Credit at the 600-level requires additional work.

JMS 709 - Introduction to Research Methods in Journalism and Media Studies Credits 3
Introduction to methods used in JMS research, concentrating on tools students may encounter in developing literature reviews and papers, including theses or papers. Students demonstrate familiarity with methods by developing and presenting an original research paper that features the use of a methodological approach discussed in class.

JMS710 - Graduate Journalism and Media Studies: Overview, resources, and communicating research Credits 3
Introduction to graduate writing and presentation techniques and processes; overview of past and current issues in journalism and media studies; introduction to university and program resources. Prerequisites: Graduate standing.

JMS 711 - Qualitative Research Methods Credits 3

Fundamentals of humanistic research methodologies; examines such methods as case study, ethnography, focus groups, interviews, visual methods, and other qualitative and critical research methods. Notes: Application and critique of the methods. Prerequisites: Graduate standing.

JMS 712 - Quantitative Research Methods Credits 3

Fundamentals of scientific approach to research examined and applied; surveys, content analysis, and other methods appropriate to the study of journalistic and media messages, processes, and effects examined. Prerequisites: Graduate standing.

JMS 713 - History of Journalism and Mass Communication Credits 3

Critical analysis of historical research and scholarship in journalism and media studies including primary sources and methods. Development of a research project. Prerequisites: Graduate standing

JMS 715 - Science and Health Communication Credits 3

Investigates the application of communication theory and research to understanding processes through which information related to science, health, environment, and technology reaches the public. Emphasis on mediated communication but also considers the interrelated roles of other channels.

JMS 730 - Journalism and Media Theory Credits 3

Explores and explains various media phenomena at a theoretical level. Surveys theoretical ideas, the nature of theory, specific theories in the field and those from other fields related to the discipline. Theory evaluation and metatheoretical issues. Prerequisites: Graduate standing.

JMS 733 - First Amendment Theory Credits 3

Examination of theory development on the meaning of the press and speech clauses of the First Amendment and how First Amendment theory has been reflected in legal decisions. Prerequisites: Consent of instructor.

JMS 739 - Special Problems in Media Production Credits 3

Discussion and practical experience in production techniques of the mass media. Notes: May be repeated to a maximum of six credits. Prerequisites: Consent of instructor.

JMS 760 - Social Influence of the Media Credits 3

Analysis of mediated communication patterns and their social importance; considers both news, public affairs, and entertainment influences. Notes: Emphasis may vary depending on instructor.

JMS 789 - Selected Topics in Journalism and Media Studies Credits 3

Content varies with current developments in research in Journalism and Media Studies. Notes: May be repeated to a maximum of six credits with consent of instructor and department chair. Prerequisites: Consent of instructor.

JMS 794 - Special Readings Credits 3

Content dependent upon the instructor's interest and expertise, as well as student interest and requirements. Notes: Course may be repeated to a maximum of six credits. Prerequisites: Graduate standing.

JMS 795 - Independent Study Credits 1 – 4

Supervised study in subjects and projects determined in consultation with a faculty member. Students wishing to take this course must consult with the faculty member prior to registration. Notes: May be repeated to a maximum of six credits. Prerequisites: Faculty approval.

JMS 798 - Thesis Credits 1-6

Research, analysis, and writing towards completion of thesis and subsequent defense. Notes: This course is repeatable up to six credits. Grading S/F grading only. Prerequisites: Graduate standing only.

School of Public Policy and Leadership

The School of Public Policy and Leadership was created to assist the College of Urban Affairs in its mission to prepare community leaders and address pressing societal issues. The school provides an umbrella for exciting, interdisciplinary research and teaching in public administration and governance, environmental science and studies, non-profit management, urban studies, and natural resources management. Our faculty's strong record and interest in these areas offer students and practitioners a variety of possibilities in cutting-edge and relevant knowledge, research, and projects. The school does this primarily through interdisciplinary activities including policy forums and the offering of doctoral degrees in environmental science and public affairs.

Christopher Stream, Ph.D., Director
Jayce Farmer, Ph.D., Graduate Coordinator
Lee Bernick, Ph.D., Graduate Coordinator

School of Public Policy and Leadership Faculty

Graduate Coordinators & Program Directors

Bernick, E. Lee - Full Graduate Faculty

Professor, Greenspun College of Urban Affairs;
B.A., M.A., Ph.D., University of Oklahoma.

Farmer, Jayce - Full Graduate Faculty

Graduate Coordinator; Assistant Professor; B.S., Florida
A&M University; M.P.A., Ph.D., Florida State University.

Stream, Christopher - Full Graduate Faculty

Director of the School of Public Policy and
Leadership; Associate Professor; B.A., University of
Nebraska; M.S., Ph.D., Florida State University.

Graduate Faculty

Cook-Craig, Patricia - Full Graduate Faculty

Associate Professor; B.S.W., B.A., University of Texas,
Austin; M.S.S.W., University of Texas, Arlington;
Ph.D., University of North Carolina, Chapel Hill.

Danielsen, Karen A. - Full Graduate Faculty

Associate Professor; B.A., and M.C.R.P., Rutgers
University; Ph.D., Virginia Polytechnic and State University.

Fenley, Vanessa - Full Graduate Faculty

Assistant Professor; B.S., Missouri State; M.A., University
of Kansas; Ph.D. University of Colorado Denver.

Jacob, Benoy - Full Graduate Faculty

Associate Professor; B.A., M.A., Concordia University,
Montreal; Ph.D., University of Illinois - Chicago.

Lang, Robert - Full Graduate Faculty

Professor; B.A., Ph.D. Rutgers University

Lim, Jaewon - Full Graduate Faculty

Associate Professor; B.s. Yonsei University, Seoul, Korea;
MUP, Ph.D., University of Illinois at Urbana-Champaign.

Martinez, Magdalena - Full Graduate Faculty

Assistant Professor; B.S., University of Nevada,
Las Vegas; M.E., Harvard University; Ph.D.,
University of Michigan, Ann Arbor.

Mullen, Lawrence - Full Graduate Faculty

Professor; B.A., Buffalo State College; M.A.,
University of Maryland; Ph.D., University of Iowa.

Neill, Helen - Full Graduate Faculty

Associate Professor; B.A., Trinity University;
M.A., Ph.D., University of New Mexico.

Stave, Krystyna - Full Graduate Faculty

Professor; B.S., Cornell University; M.S.,
Dartmouth; Ph.D., School of Forestry and
Environmental Studies, Yale University.

Word, Jessica - Full Graduate Faculty

Associate Professor; B.A., Queens College;
M.P.A., Ph.D., Florida State University.

Professors Emeriti

Goodall, Leonard

Emeritus President and Professor; B.A., M.A.,
Central Missouri State University; Ph.D., University
of Illinois. UNLV Emeritus 1979-2000.

Jordon, Teresa

Lowry, Phillip

Emeritus Associate Professor; B.S., University
of Maryland; M.S.B.A., George Washington
University; D.B.A., Ph.D., Arizona State
University. UNLV Emeritus 1983-1996.

Lukemeyer, Anna

Emeritus Associate Professor; B.A., Indiana
University; J.D., L.L.M., Southern Methodist
University; Ph.D., Syracuse University.

McCord, Robert

Emeritus Associate Professor; B.A., M.A., University
of Wisconsin; Ph.D., University of Nevada,
Las Vegas. UNLV Emeritus 1999-2011.

Rusch, Edith

Emeritus Professor; B.S., University of
Wisconsin; M.A., University of Northern
Colorado; Ph.D., University of Oregon.

Sutton, Richard

Emeritus Associate Professor; B.A., Tulane
University; Ph.D., University of North Carolina,
Chapel Hill. UNLV Emeritus 1974-2006.

Thompson, William

Emeritus Professor; B.A., M.A., Michigan State
University, Ph.D., University of Missouri at
Columbia. UNLV Emeritus 1980-2010.

Tilman, Lee R.

Emeritus Professor; B.S., Oregon State University; M.A.,
Ph.D., University of Arizona. UNLV Emeritus 1967-1997.

Plans

Graduate Certificate in Nonprofit Management

Graduate Certificate in Public Management

Master of Public Administration

Master of Arts - Urban Leadership

Doctor of Philosophy - Public Affairs

Doctor of Public Policy

Graduate Certificate in Nonprofit Management

Plan Description

The School of Public Policy and Leadership offers a Graduate Certificate in Nonprofit Management. The Certificate is designed for individuals with either a baccalaureate degree or a graduate degree who are interested in enhancing their educational background with regard to the nonprofit sector. The Certificate is designed to provide individuals the intellectual foundation to function as a manager in nonprofit organizations.

Students earning the certificate may apply for admission into the Master of Public Administration degree program. If accepted, the fifteen credits earned in the certificate program may be applied to the M.P.A. Additional information about admissions to the M.P.A. can be found on the School of Public Policy and Leadership web page.

For more information about your program, including your graduate program handbook and learning outcomes, please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

Applicants for admission to the Certificate in Nonprofit Management Program must have earned an undergraduate degree from a regionally accredited college or university. Applicants must be accepted by the Graduate College and the School of Public Policy and Leadership.

Application Process:

1. Apply online to the Graduate College.
2. All application material is subsequently reviewed by faculty to determine admission into the program.
3. Additional materials listed below should be uploaded and submitted with your application:
 - a. Official transcripts demonstrating an earned bachelor's degree from a regionally accredited college or university and a GPA sufficient to meet Graduate College requirements.
 - b. Note: Unofficial transcripts are allowed to be uploaded and submitted with your application to allow initial evaluation.
4. Two letters of recommendation from professors, employers, and/or professional colleagues. Identify the two people sending letters of recommendation on your behalf. They will, in turn, upload their letters to the Graduate College's On-line application site. To get this process started, go to the Graduate College's Application process web page and click on the RECOMMENDATIONS link at the left side of the page immediately below the Application process links. Then make sure you check "yes" when it asks you about submitting your letters electronically.
5. A written essay explaining why you are interested in the certificate program in nonprofit management.
6. A current resume.

All applicants must review and follow the Graduate College Admission and Registration Requirements.

Refer to the Graduate College website for current deadlines.

Students are accepted into a certificate program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

Total Credits Required: 15

Course Requirements

Core Courses – Credits: 6

- PUA 708 - Organizations and Organizational Behavior
- PUA 770 - Nonprofit Management and Theories of the 3rd Sector

Required Courses – Credits: 6

Complete two of the following three credit courses:

- PUA 771 - Grant Writing and Evaluation Field Study
- PUA 772 - Grant Evaluation and Strategic Allocation Field Study
- PUA 774 - Community Outreach and Volunteerism
- PUA 775 - Strategic Planning and Program Evaluation for Nonprofits
- PUA 776 - Development for Nonprofit Managers

Elective Courses – Credits: 3

Complete three of the following one-credit courses (three hours)

- PUA 610 - Grant Writing for Public and Nonprofit Managers
- PUA 611 - Policy Advocacy and Lobbying
- PUA 612 - Performance Measurement for Public and Nonprofit Organizations
- PUA 613 - Leadership and Ethics for Public and Nonprofit Managers
- PUA 615: Nonprofit Financial Management

Certificate Requirements

1. Completion of a minimum of 15 credit hours with a minimum GPA of 3.00.
2. Students are required to submit a portfolio in their final semester. Specific guidelines for the portfolio may be obtained from the Nonprofit Certificate program director.

Plan Certificate Completion Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation in MyUNLV by the appropriate deadline.
2. Complete the final project paper.

Graduate Certificate in Public Management

Plan Description

The School of Public Policy and Leadership offers a Graduate Certificate in Public Management. The certificate is designed for individuals with a baccalaureate degree and who are currently employed in a public (national, state, or local) or nonprofit agency. The certificate is designed to provide individuals the basic intellectual foundation necessary to function as a manager in the public sector.

The Public Management Certificate Program begins once

a year in January of the Spring Semester.

Students earning the certificate may apply for admission into the Master of Public Administration degree program. If accepted, the fifteen credits earned in the certificate program may be applied to the M.P.A. Additional information about admissions to the M.P.A. can be found on the School of Public Policy and Leadership web page.

For more information about your program, including your graduate program handbook and learning outcomes, please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

To be admitted to the program, you must:

1. Have earned an undergraduate degree from a regionally accredited college or university.
2. Be currently employed in a public agency at the national, state, or local level or at a nonprofit.
3. Enter a cohort that is being sponsored by a government or nonprofit agency.
4. Be accepted by the Graduate College and the School of Public Policy and Leadership.
5. Provide two letters of recommendation from professors, employers and/or professional colleagues.
6. Submit a current resume with your application.
7. All applicants must review and follow the Graduate College Admission and Registration Requirements.

Application Process:

1. Apply to the Graduate College through the online application system. Be sure to select the certificate in Public Management (rather than the MPA degree) from the list.
2. You are required to send official transcripts for all college-level work to the Graduate College.
3. Note: Unofficial transcripts can be uploaded and submitted to the Graduate Coordinator in the School of Public Policy and Leadership for initial evaluation.
4. Identify the two people sending letters of recommendation on your behalf. They will, in turn, upload their letters to the Graduate College's On-line application site. To get this process started, go to the Graduate College's Application process web page and click on the RECOMMENDATIONS link at the left side of the page immediately below the Application process links. Then make sure you check "yes" when it asks you about submitting your letters electronically (These can be submitted electronically by the letter writers).
5. After the School and Graduate College obligations

have been met, the file then goes to the School's Admission Committee. The Graduate College will then send you an email confirmation with the status of the admission decision.

Note: If you complete the required 15 credits with a 3.5 GPA or higher, then you will be able to apply for the MPA program and possibly be accepted without taking the GRE the following spring.

Refer to the Graduate College website for current deadlines.

Students are accepted into a certificate program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

Total Credits Required: 15

Course Requirements

Core Courses – Credits: 6

- PUA 701 - Governance and the Urban Community
- PUA 703 - Seminar In Organization Theory

Required Courses – Credits: 6

Complete two of the following three credit courses:

- PUA 705 - Public Goods and Public Finance
- PUA 708 - Organizations and Organizational Behavior
- PUA 715 - Administrative Law
- PUA 740 - Urban Administration
- PUA 741 - Leading and Assessing Change in Organizations
- PUA 745 - Administration in a Federal and Intergovernmental Perspective
- PUA 749 - Ethics in Public Administration

Elective Courses – Credits: 3

Complete three of the following one-credit courses (three hours)

- PUA 610 - Grant Writing for Public and Nonprofit Managers
- PUA 611 - Policy Advocacy and Lobbying
- PUA 612 - Performance Measurement for Public and Nonprofit Organizations
- PUA 613 - Leadership and Ethics for Public and Nonprofit Managers
- PUA 614 - Facilitation

Certificate Requirements

1. Completion of a minimum of 15 credit hours with a minimum GPA of 3.00.

2. Students are required to submit a final project paper that uses knowledge and skills obtained from the course work and apply this information to an organization of their choice. Specific guidelines for the paper may be obtained from the Public Administration Graduate Coordinator.

Plan Certificate Completion Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation in MyUNLV by the appropriate deadline.
2. Complete the capstone experience.

Master of Public Administration

This program is accredited by: NASPAA. More information can be found at: unlv.edu/provost/vpaa/accreditation

Plan Description

The Master of Public Administration (MPA) degree is the professional degree for the field of public administration and it serves to provide public sector practitioners with an understanding of the inner workings of governmental environments. Our program is the only MPA program nationally accredited by the Network of Schools of Public Policy, Affairs, and Administration (NASPAA) in the state of Nevada. Our goal is to prepare students to become public service professionals within organizations that serve the public and nonprofit sectors. Additionally, our program serves career military personnel and private sector professionals whose responsibilities involve extensive contact with governmental agencies.

Graduates of the MPA program will have an understanding of the inner workings of governmental organizational structures, the key principles of public management and administration, and the basic methods of researching and analyzing public policy issues. Graduate work in the program provides an awareness of the organizational and policy contexts in which public sector administrators make and implement decisions. The learning objectives of our program are designed to provide students with skills and expertise that demonstrate their proficiencies within five core competency areas.

For more information about your program, including your graduate program handbook and learning outcomes please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

While admissions to the MPA program entails specific requirements, consideration for admissions may also include previous professional and academic experience.

All applicants are required to have:

1. An earned bachelor's degree in an acceptable field of undergraduate study from a regionally accredited college or university.
2. A GPA of at least 2.75 overall or 3.00 in the last 60 semester hours of undergraduate study on a 4.0 scale.
3. Satisfactory score on either the Graduate Record Examination (GRE) or Graduate Management Admissions Test (GMAT). Applicants with an undergraduate GPA of 3.5 and five years of responsible administrative or professional work experience in the public or nonprofit sector need not submit GRE or GMAT scores. Applicants who have completed the department's Graduate Certificate in Public Management with a GPA of 3.5 or higher need not submit GRE or GMAT scores. The GRE scores should be sent directly to the School of Public Policy and Leadership.
4. Three reference letters that speak to the applicant's character, work ethic and ability to conduct graduate work.
5. A resume indicating educational and professional experience sent to the School of Public Policy and Leadership.
6. A personal statement describing how the MPA fits into the applicant's professional goals.
7. An official transcript from the college or university where the applicant received a bachelor's degree should be sent to the School of Public Policy and Leadership and Graduate College.

All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

See Subplan Requirements below.

Subplan 1 Requirements: Public Administration Concentration

Total Credits Required: 36

Course Requirements

Required Courses – Credits: 15

- PUA 701 - Governance and the Urban Community
- PUA 703 - Seminar In Organization Theory
- PUA 705 - Public Goods and Public Finance
- PUA 707 - Law and Public Policy

- PUA 708 - Organizations and Organizational Behavior

Analytic Skills Courses – Credits: 3

- PUA 723 - Research and Analytical Methods

Elective Courses – Credits: 12

Complete 12 credits of elective coursework from any graduate-level Public Administration (PUA) course or graduate-level social science, business, or other relevant course with the approval of the graduate coordinator or department chair.

Culminating Experience– Credits: 6

Complete the following courses in sequence

- PUA 725 - Policy Analysis and Program Evaluation
- PUA 729 - MPA Capstone Experience

Degree Requirements

See Plan Degree Requirements below.

Graduation Requirements

See Plan Graduation Requirements below.

Subplan 2 Requirements: Nonprofit Management Concentration

Total Credits Required: 36

Course Requirements

Required Courses – Credits: 18

- PUA 701 - Governance and the Urban Community
- PUA 703 - Seminar In Organization Theory
- PUA 705 - Public Goods and Public Finance
- PUA 707 - Law and Public Policy
- PUA 708 - Organizations and Organizational Behavior
- PUA 770 - Nonprofit Management and Theories of the 3rd Sector

Analytic Skills Courses – Credits: 3

- PUA 723 - Research and Analytical Methods

Nonprofit Management Courses – Credits: 9

Complete 9 hours of the following courses:

- PUA 610 - Grant Writing for Public and Nonprofit Managers
- PUA 611 - Policy Advocacy and Lobbying
- PUA 612 - Performance Measurement for Public and Nonprofit Organizations
- PUA 613 - Leadership and Ethics for Public and Nonprofit Managers
- PUA 771 - Grant Writing and Evaluation Field Study
- PUA 774 - Community Outreach and Volunteerism
- PUA 775 - Strategic Planning and Program Evaluation

for Nonprofits

- PUA 776 - Development for Nonprofit Managers

Culminating Experience – Credits: 6

Complete the following courses in sequence

- PUA 725 - Policy Analysis and Program Evaluation
- PUA 729 - MPA Capstone Experience

Degree Requirements

See Plan Degree Requirements below.

Graduation Requirements

See Plan Graduation Requirements below.

Plan Degree Requirements

1. Completion of a minimum of 36 credit hours with a minimum GPA of 3.00.
2. All students entering the program must start with PUA 701 - Governance & Urban Community, a class designed to provide a general overview of the field. With this foundation, the student then embarks upon the rest of the program.
3. Students may enroll in PUA 725 only after they have completed at least 24 credit hours toward the MPA degree. The order of the end-of-course sequence (PUA 725) is determined by when the student completes the required 24 credit hours.
4. Students enroll in PUA 729 - MPA Capstone Experience to complete their final project which is taken after completing PUA 725. The final project applies analytical skills to an issue of interest to a governmental or nonprofit agency and should be completed near the end of a student's program of study.
5. Students must obtain a B average in order to graduate. A student can have no more than one grade less than a B-. It is assumed that students working full time and taking courses on a part-time basis can complete the MPA program in two and one-half years of study.
6. For students without appropriate professional administrative experiences, the degree requires an internship and a total of 39 hours.

Plan Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
2. The student must complete the two end of program capstone courses (PUA 725 and PUA 729).

Master of Arts - Urban Leadership

Plan Description

The M.A. in Urban Leadership at UNLV's School of Public Policy and Leadership recognizes that effective, creative, and energetic urban leaders are critical for fostering positive change to the economic, social, and political conditions of America's cities. Given the complex nature of the 21st century city, urban leaders require a broad range of skills that include: innovation problem-solving, strategic planning, and collaborative management. This degree will help students develop their skills in these areas.

Aimed at professionals who are actively engaged and working in the community, this degree is offered almost entirely online to maximize student flexibility. The online courses will be enhanced by three face-to-face panel-networking events where students will engage with each other and urban leaders from the Las Vegas community and nationally.

If you want to improve your ability to shape the urban community, then this is the degree for you.

At the core of our program is an intellectually rigorous curriculum that will help urban leaders:

1. Shape and communicate their vision
2. Create innovative solutions to pressing issues
3. Collaborate with stakeholders and,
4. Implement strategic plans, programs, and policies

Our program is unique in its recognition that urban leaders come from a variety of professional backgrounds. Leaders can be elected officials, public administrators, non-profit leaders, and leaders in private organizations. Thus, a defining feature of our program is that students will have an opportunity to engage with leaders from a host of community settings. To further enhance this professional engagement, our student's experience will be highlighted by a series of panels and workshops that will allow participants to engage with some of the foremost urban leaders and policy analysts in the country.

For more information about your program, including your graduate program handbook and learning outcomes, please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

All applications for admission to the Urban Leadership program are made to the Graduate College but are reviewed by the Urban Leadership Program Coordinator. The Coordinator considers all materials submitted as part of the application process, including training and preparation, general abilities, and previous experience. An online application and official transcripts of all college-

level work must be submitted to the Graduate College. Applicants should review and follow the Graduate College Admission and Registration Requirements.

In addition, the applicant should have:

1. A baccalaureate degree from a regionally accredited college or university
2. A minimum grade point average of 2.75 overall for all undergraduate work
3. A completed Graduate College application
4. Submission of official transcripts from all colleges and universities attended
5. A resume that outlines your professional experience
6. A personal statement of interest
7. Three letters of recommendation

All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

Total Credits Required: 36

Course Requirements

Core Courses – Credits: 12

- ULD 720 - Urban Governance
- ULD 722 - Urban Issues
- ULD 737 - From Analytics to Action: How to use Data
- ULD 742 - Social Media and Communication Technology

Design Thinking & Development Courses – Credits: 6

- ULD 735 - Design Thinking for Urban Issues
- ULD 736 - Design Thinking for Urban Solutions

Leadership Courses - Credits: 9

- ULD 750 - Leadership in Urban Contexts
- ULD 752 - Developing and Nurturing Teams
- ULD 754 - Collaborative Leadership

Legacy Course - Credits: 9

- ULD 780 - Community Engagement Legacy Project

Degree Requirements

1. The Urban Leadership M.A. requires 36 credits of approved course work.
2. All students will meet with an academic advisor and complete a formal degree plan, which must have the approval of the M.P.A. coordinator.

3. Students must obtain a B average to graduate. A student can have no more than one grade less than a B-.

Plan Graduation Requirements

1. Students must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
2. The student must complete the Legacy Project.

Doctor of Philosophy - Public Affairs

Plan Description

The Doctor of Philosophy in Public Affairs is a research-oriented degree that prepares students for careers in advanced teaching, research and professional employment in the areas of public policy and public affairs. The program's curriculum educates students in theories and methods that emphasize research and scholarship focused on governmental and nonprofit settings. The Ph.D. program is interdisciplinary in its approach, as students are encouraged to study public policy issues together with appropriate departments throughout the Greenspun College of Urban Affairs. Graduates of this program are trained for research and advanced teaching within academic institutions. The program also prepares students for careers that emphasize research within governmental and other research-based organizations.

For more information about your program, including your graduate program handbook and learning outcomes please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

The program only accepts applicants for the fall semester, with an average acceptance of seven applicants a year.

Admission requirements include:

1. A graduate degree (master's or another advanced degree, i.e. J.D.) from a regionally accredited institution with a minimum GPA of 3.5 (competitive GPAs are expected to be 3.7 or higher) on a 4.0 scale.
2. Three letters of recommendation that speak to the applicant's, character, work ethic and potential to successfully complete advanced graduate work at the doctoral level. Letters are preferred from at least one individual that has served as a faculty or academic supervisor, and at least one from an individual that has supervised or worked with the applicant within a work setting.
3. A current resume or vita
4. A statement of purpose explaining the applicant's

career goals and how a doctorate degree in public affairs would enhance the likelihood of achieving those goals. The statement should also explain why the applicant believes that he or she is qualified to conduct advanced graduate level academic work. Finally, the statement should address the specific research area of interest that the applicant would like to emphasize.

5. A writing sample from previous graduate work or a significant publication completed in an academic or professional work setting that is directly attributable to the applicant.
6. Satisfactory GRE scores (preference is given to applicants with scores above 153 for the verbal section, and 144 for the quantitative section; equivalent LSAT scores are acceptable).

Finalists for admissions will be asked to meet with a member of the admission committee for a personal interview.

All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

Total Credits Required: 46

Course Requirements

Required Courses – Credits: 10

- PAF 701 - Origins and Development of Public Policy in America
- PAF 702 - Role of Government in Society
- PAF 703 - Institutions and Policy Decisions
- PAF 704 - Public Affairs as a Profession

Analytical Studies Core Courses – Credits: 12

Complete the following two courses plus two additional departmental approved 3 credit hour analytical courses that emphasize quantitative or qualitative methods of conducting advanced research:

- PAF 710 - Theory and Design of Research
- PAF 711 - Advanced Seminar in Quantitative Research in Public Affairs

Area of Specialization Courses – Credits: 12

Complete 12 credits of advisor-approved elective coursework at the 700-level in a specific area of public policy. Courses may be taken from more than one department within the Greenspun College of Urban Affairs. Approval of the plan of study in the area of concentration must be received before taking any course.

Dissertation – Credits: 12

- PAF 799 - Dissertation Research in Public Affairs

Degree Requirements

1. Completion of a minimum of 46 credit hours with a minimum GPA of 3.00. All core courses and analytical studies courses must be completed with a grade of “B” or better.
2. All students, in conjunction with the Public Affairs Ph.D. Graduate Coordinator, will obtain an advisor who will serve as the chair of a student’s Doctoral Dissertation Committee.
3. Students will take the equivalent of three exams before completing the degree.
 1. A written exam will be given that covers course work in both the core and analytical areas of study
 2. The equivalent of a second exam will be taken by the student when the student completes and orally defends the dissertation prospectus. The prospectus serves as a proposal for the anticipated dissertation research.
 3. Upon completion of the full dissertation, students will present and orally defend their dissertation research to the public and their Dissertation Committee. This is the equivalent of the third exam
4. All students must complete a high quality dissertation that makes an original contribution to knowledge.
5. Students must enroll in dissertation credit hours each semester during their dissertation work
6. Students should be aware that the Graduate College limits course work for a degree to six years. Students should consult the Graduate College to ensure that they are familiar with College policies and procedures.

Plan Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
2. The student must submit and successfully defend his/her dissertation by the posted deadline. The defense must be advertised and is open to the public.
3. The student must submit his/her approved, properly formatted dissertation to the Graduate College, and ProQuest by the posted deadline.

Doctor of Public Policy

Plan Description

This degree is a professional doctorate. It is designed for individuals interested in developing skills in policymaking and policy implementation at all levels of government.

Completion of this degree will prepare students to conduct policy analysis, advocate for public policies and community-based solutions, or serve in decision-making positions. Its focus is to integrate what is known about the policy process into a set of skills and abilities so individuals can be competent actors in the policy arena. Course delivery is very structured with courses offered in a very specific sequence on Fridays and Saturdays over five semesters.

For more information about your program, including your graduate program handbook and learning outcomes, please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

All applicants must review and follow the Graduate College Admission and Registration Requirements.

Students may only begin the program in Fall. Only DPP courses taken in sequence at UNLV will be considered for transfer credit.

1. Students must have at least a Masters degree.
2. Students should have at least five years of professional work related experience.
3. An essay explaining student’s interest in the degree and how they believe the degree will aid in their professional development. In addition, the letter must articulate a policy area that the student has a substantive interest in studying. The letter must accompany the application. (An interview will be required before a final admissions decision is made).
4. At least one graduate-level research and/or statistics course (if the student has not had a course in either of these two areas, they may be required to do so before final admissions).
5. Interview.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

Total Credits Required: 51

Course Requirements

Core Courses - Credits: 39

- PPY 700 - Framework for Understanding Public Policy and Agenda Setting
- PPY 701 - Developing Policy Alternatives
- PPY 703: Decision-making in government
- PPY 704 - Models of Policy Implementation

- PPY 705 - Evaluation: Closing the Loop
- PPY 710 - Problem Identification and Agendas
- PPY 712 - Sources of Policy Alternatives
- PPY 713 - Policy-making and Legislative Decisions
- PPY 714 - Necessary Conditions for Policy Implementation
- PPY 715 - Building Policy Community
- PPY 716 - Designing the Evaluation System
- PPY 720 - Using Data to Define a Problems
- PPY 722 - Evaluating Policy Alternatives
- PPY 723 - Fiscal Notes for Policy-Making
- PPY 724 - Performance Measurement and Benchmarks
- PPY 725 - Tracking Policy into Action
- PPY 730 - Framing Public Policy Issues
- PPY 731 - Fundamentals of Writing Policy Briefs
- PPY 733 - Building A Persuasive Argument
- PPY 734 - Strategic Planning for Policy Implementation
- PPY 735 - Translating Results into Performance
- PPY 736 - Telling the Policy Story
- Policy Project Courses - Credits: 12
- PPY 780 - Doctoral Capstone Course I
- PPY 781 - Doctoral Capstone Course II
- PPY 782 - Capstone III: Identifying Policy Alternatives
- PPY 783 Capstone IV: Selecting Policy Alternatives
- PPY 784 - Capstone V: Implementation and Evaluation
- PPY 785 - Capstone VI: Putting it all Together

Degree Requirements

Students will complete a 12 credit policy proposal project. The final product will be a paper and presentation that will be evaluated as outlined below:

1. The project will be completed in phases completed in 12 credits of coursework (see degree requirements above). Each phase requires a written paper that demonstrates competency in a specific objective. For example, the first phase requires a student to identify a problem and to frame the issue using both a narrative and data. Faculty will evaluate each phase and use the evaluations as an assessment tool.
2. In the last semester, students will travel to Washington, D.C. to meet with policy experts and members of Congress (staff) to present their policy analysis proposal. Those presentations will be evaluated by a committee of both faculty and policy experts in Washington, D.C. with the presentations serving as a major means of assessing learning outcomes.

Plan Graduation Requirements

The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.

School of Public Policy and Leadership Courses

ECEM 700 - Introduction to Cybersecurity Credits 3

Introduction to the fundamentals of cyber security for large enterprises. Identifying cyber threats, operating system structure, and attacks. Understanding the methodology and tools to counter cyber attacks. Prerequisites: Admission into the Graduate Certificate In Emergency Crisis Management Cyber Security Program.

ECEM 702 - Cyber Law - Digital Intellectual Property & Privacy Credits 3

Introduce the principles of digital intellectual property, online privacy, software copyright and cyber law. Clarify the issues of jurisdiction and the sovereignty of the internet by considering how technology affects the power of regulatory tools.

ECEM 710 - Crisis and Emergency Management Credits 3

Distinguish the principles behind effective approaches for prevention, planning, risk, mitigation, response, and recovery strategies. Recognize the major elements of technical and operational disasters by learning to implement emergency strategies that reduce vulnerabilities.

ECEM 711 - Crisis and Emergency Management Credits 3

Focuses on the evolution of U.S. disaster policy and the practice of emergency management, with particular attention to the roles of local governments and nonprofit agencies in disaster management. The course examines the major policy issues, including the utility of "all-hazard" or comprehensive model of emergency management. Prerequisites: Admission into program.

ECEM 712 - Science of Catastrophes Credits 3

Offers an understanding of the underlying scientific issues that arise from natural, intentional, and technical disasters. Presents information at a managerial level, providing students with a sufficient overview to recognize and understand the complexity of potential catastrophic events which they must plan for and manage. Prerequisites: Admission into the ECEM program.

ECEM 713 - Evolution of Terrorism Credits 3

Focuses on the historical roots of terrorism and stresses importance of understanding the past to adequately prepare for the future. Through a historical perspective, provides basis for and discusses aspects that make contemporary terrorism of today different from traditional terrorism of the past. Formerly (ECEM 742) Prerequisites: Admission into program.

ECEM 722 - Community Preparedness Credits 3

Provides an understanding of how communities prepare for disasters through social vulnerability analysis and community capacity analysis. It examines historical, geographical, social, and cultural factors and conditions that put people differentially at risk in the community and require integration and coordination among agencies and organizations. Prerequisites: Module 1 Corequisite: Module 2 courses

ECEM 723 - Human Considerations Credits 3

Explores the human side of emergencies, by analyzing the public response to a terrorist incident, the public health implications of a major incident, the psychological component, and the long-range environmental considerations that must be taken when responding to an incident. Prerequisites: Admission into program.

ECEM 731 - Risk Assessment, Mitigation and Communication Credits 3

This course explores the use of "risk" in making individual and group decisions. We will explore qualitative and quantitative methods for evaluating risk and develop practices to use such information to improve decision making processes in the context of emergency management. Corequisite: Admission into Program

ECEM 732 - Prevention and Planning Credits 3

This course analyzes the methods by which governmental organizations, private sector entities, and the general public can prevent and prepare for natural, intentional, and technical disasters. It will discuss topics such as vulnerability and threat assessments, resources and capabilities identification/integration, and training and exercise programs. Corequisite/Prerequisite: Admission into Program

ECEM 733 - Response and Recovery Credits 3

Studies crisis management responses pertaining to terrorist activities. Covers principles, characteristics, objectives, phases, organizational requirements, command and control issues, planning and coordination, incident site management, crime scene management, and responsibilities and capabilities of federal and state/local agencies for terrorist incidents. Formerly (ECEM 740) Prerequisites: Admission to program.

ECEM 734 - Research in the Implementation of Concepts in Crisis and Emergency Management Credits 3

This course provides a culminating experience for students to demonstrate proficiency in applying the fundamentals of disaster simulation, table-top exercise formulation and execution, functional full-scale exercise formulation and execution and organizational response plan creation. It will require mastery and integration of previously presented program topics. Corequisite/Prerequisite: Admission into Program

ECEM 735 - Concept Implementation & Cyber Lab Credits 3

Analyze the appropriate ways to convey technical operations through verbal and written communication to support organizational operations. Implementing and understanding control framework, policy making and emergency crisis through theoretical analysis. Grading Letter grade

ENV 601 - Advanced Environmental Toxicology Credits 3

Describes how selected classes of environmental contaminants interact with cellular processes, biochemical reactions, organs and tissues. Influences on individuals, populations and ecosystems. Describes the relationship(s) between toxicants and the multiple ways they interact with the endocrine system. Notes: This course is crosslisted with NRES 432. Credit at the 600-level requires additional work.

ENV 611 - Environmental Risk Management Credits 3

General approaches to solving environmental risk problems. Students develop a "toolbox" of basic risk analysis and management methods, as well as the appropriate role of these methods in effective public and private decision making. Introduces risk analysis methods and explores policy implications of those methods. Notes: This course is crosslisted with ENV 411. Credit at the 600-level requires additional work.

ENV 660 - Environmental Modeling Credits 4

Introduction to dynamic modeling of environmental systems including use of modeling to support management and policy making. Develops systems thinking skills and ability to build system dynamics models. Emphasizes modeling as a framework for environmental analysis and problem solving. Notes: This course is crosslisted with ENV 460. Credit at the 600-level requires additional work.

ENV 680 - Geographic Information Systems for Environmental & Socioeconomic Analysis..... Credits 4

Geographic Information Systems for Environmental Management is a course designed for senior level undergraduate or graduate students to build a fundamental understanding of Geographic Information Systems & Science (GIS & Science) for the application to environmental management and socioeconomic analysis. Notes: This course is crosslisted with ENV 480. Credit at the 600-level requires additional work.

ENV 685 - Seminar on Advanced Topics in Spatial Analysis Credits 1

Students will review and discuss current applied environmental and socioeconomic research in GIS/Spatial Analysis. Readings will be drawn from key journals in the field of environmental studies, regional science, spatial analysis, and urban planning. Students will present and discuss case studies with advanced spatial analysis. Notes: May be repeated to a maximum of three credits Prerequisites: ENV 480 or ENV 680 or CEE 468, CEE 668 or GEOL 430 or GEOL 630 or equivalent.

ENV 701 - Environmental Science Pro Seminar Credits 3

Introduction to research approaches appropriate to the environmental sciences. Includes quantitative research design. Development of literature review and thesis/dissertation prospectus. Prerequisites: Graduate standing in Environmental Science program.

ENV 702 - Environmental Problem Solving Credits 3

Examines the dynamic, interdependent and interactive relationships between human activities and ecosystems. Evaluates opportunities to shift toward more sustainable human behavior. Prerequisites: Graduate standing in environmental science or consent of instructor.

ENV 703 - Environmental Law and Policy Seminar Credits 3

Substantive aspects of major federal environmental laws and their concomitant regulations, as well as the policy underlying their promulgation and implementation. The present status and implementation of the National Environmental Policy Act, the Clean Air Act, the Clean Water Act, the Resource Conservation and Recovery Act, and the comprehensive Environmental Response, Compensation and Liability Act. Examines the policies underlying the existing laws, their derivative regulations, and the changes being considered by Congress for these laws. Prerequisites: Graduate standing in environmental science or consent of instructor.

ENV 711 - Risk Assessment and Risk Management Credits 3

Principles of risk management as related to exposure to environmental contaminants. Prerequisite: Consent of instructor.

ENV 712 - Environmental Risk Decision Making Credits 3

Explores interface of technical information, experts, and environmental decision arenas. Major issues include decision making under uncertainty, risk perception, risk communication, and public participation in environmental risk modeling.

ENV 720 - Natural Resource Valuation Credits 3

Exploration of the valuation literature including traditional, environmental, and experimental economics; physical sciences and philosophy. Methodologic and normative issues. Application and design of valuation tools. Prerequisites: ENV or equivalent.

ENV 725 - Quantitative Methods for Environmental Science
Credits 3

Quantitative research tools specifically developed for environmental science including models, data collection and statistical methods, both univariate and multivariate analyses. Emphasis on methods appropriate to student theses and dissertations.

ENV 749 - Environmental Sciences Teaching Practicum
Credits 3

Introduction to methods and content for environmental science instructors. Tips, methods, styles, scholarship of teaching and learning. Prerequisites: Currently teaching undergraduate ENV course.

ENV 750 - Environmental Studies and Public Policy
Credits 3

Introduces the principles of public policy, science, and technology that shape environmental protection strategies in this nation and abroad. ENV 750 will act as a foundation policy course in the graduate program of the Department of Environmental Studies. Prerequisites: Graduate standing.

ENV 755 - Political Economy of Technology, Environment and Development
Credits 3

Critically examines the roles of political and economic systems as drivers of change in the areas of technology, environment and "development". Themes include class, conservation, gender, history, natural resources, North-South conflicts, Third World, Trade, and "sustainability" theory and practice. Multicultural literature and cases, and multidisciplinary methods are utilized.

ENV 790 - Internship in Environmental Science **Credits 1 – 3**

Individual students complete appropriate internship with private, public or non-profit organization involved in environmental management. Terms to be negotiated with and approved by internship supervisor and Graduate Coordinator. Notes: May be repeated to a maximum of six credits. Grading S/F

ENV 791 - Environmental Sciences Examination Preparation
Credits 3

Individual preparation for Masters Degree examination. Notes: May be repeated any number of times, but no more than three credits will count towards degree requirements. Prerequisites: ENV 701.

ENV 792 - Environmental Sciences Professional Paper Research
Credits 3 – 6

Individual research towards an applied professional paper under the direction of a faculty member. Notes: May be repeated any number of times, but no more than six credits will count towards degree requirements. Prerequisites: ENV 701.

ENV 793 - Independent Study in Environmental Science
Credits 1 – 6

Independent study of a selected topic in environmental science. Notes: May be repeated to a maximum of six credits. Prerequisites: Graduate standing in environmental science or consent of instructor.

ENV 794 - Special Topics in Environmental Science
Credits 1 – 3

Selected topic of current interest not covered in any existing course. Notes: May be repeated for a maximum of six credits. Prerequisites: Graduate standing in environmental science or consent of instructor.

ENV 795 - Thesis **Credits 3**

Research, analysis, and writing towards completion of thesis and subsequent defense. Notes: May be repeated but only six credits applied to the student's program. Grading S/F grading only.

ENV 797 - Directed Readings **Credits 3**

Individual research to develop doctoral dissertation prospectus under the direction of a faculty member. Notes: May be repeated any number of times, but no more than six credits will count towards degree requirements. Prerequisites: Admitted to ENV Ph.D. program, ENV 701.

ENV 798 - Dissertation Research **Credits 3 – 6**

Research analysis and writing towards completion of dissertation and subsequent defense. Notes: May be repeated up to eighteen credits. Grading S/F grading only.

PAF 701 - Origins and Development of Public Policy in America **Credits 3**

Examines the development of public policy in America especially as it is driven by citizen's needs. In addition, it examines the impact of public policy on society. Same as PUA 751 Prerequisites: Graduate standing.

PAF 702 - Role of Government in Society **Credits 3**

Evaluates the challenges of public policymaking and the moral responsibilities of public actors in a democracy. Looks at the underlying theories used to debate what government should do in society. Prerequisites: Admission into a Ph.D. program or permission of instructor.

PAF 703 - Institutions and Policy Decisions **Credits 3**

Explores the classical and contemporary approaches and issues in the study of institutional theories and the formal and informal contexts of democratic governance. Analysis from a rational choice perspective of how individuals within institutions make public policy decisions. Prerequisites: Admission into program.

PAF 704 - Public Affairs as a Profession **Credits 1**

This course is part of the doctoral program in public affairs and is designed for students to understand potential career opportunities with a Ph.D. in Public Affairs. Understanding the norms and expectations in the profession are addressed, and attention is given to expectations, strategies, and preparation for the job market to better understand what students can do with their Ph.D. degrees in public affairs. Prerequisites: Admitted to a PhD program.

PAF 705 - Intellectual and Historical Foundations in Public Affairs **Credits 3**

Approaches the evolution of key theories across the field of public affairs. Provides a historical perspective of the intellectual underpinnings of public administration, public management, institutions and organizations, and public policy. Same as No Grading Letter Grade.

PAF 710 - Theory and Design of Research **Credits 3**

Designed to develop in students the role of theory in designing research applicable to issues studied in public affairs. Beginning course in the Public Affairs Ph. D. program's analytical studies sequence. Prerequisites: Admission into program.

PAF 711 - Advanced Seminar in Quantitative Research in Public Affairs **Credits 3**

Students in this course will become familiar with the conceptual foundations and appropriate applications of major social scientific approaches to data-gathering and analysis, with emphasis on quantitative multivariate analysis. Prerequisites: PAF 710 or permission of instructor.

PAF 713 - Qualitative Research in Public Affairs **Credits 3**

Qualitative methods with emphasis on public policy and public affairs. Grading Letter Grade. Prerequisites: PAF 710 and PAF 711 or departmental approval.

PAF 717 - Theory and Practice of Public Sector Survey Research Credits 3
Provides theoretical and applied components of survey research. Students learn the basics of all elements of the survey process. Students will participate in an actual survey. Same as (PUA 727)
Prerequisites: Admission to a graduate program.

PAF 752 - Social Policy, the Individual, and Society Credits 3
Examines moral and other dimensions of social policy; frameworks for the analysis and development of social policy; the social construction of social problems; the role of social science in informing social policy; and social policies as manifestations of a society's values.

PAF 780 - Geographic Information System and Spatial Analysis for Public Affairs Credits 3
Explanatory spatial data analysis methods. Modeling of the spatial structure of various socioeconomic and demographic dynamics using GIS technologies. Using spatial analysis to analyze and develop policy. Grading Letter Grade.

PAF 795 - Directed Readings in Public Affairs Credits 3
Student, under the supervision of a graduate faculty member, conducts additional readings on a topic previously explored in doctoral coursework. Notes: Student may repeat the course for a total of six credits. Prerequisites: Completion of core course work and approval of the Graduate Director.

PAF 797 - Independent Research in Public Affairs Credits 3-6
Student, under the supervision of a graduate faculty member, conducts research on a topic within the public affairs program areas. Completion of the research should produce a publishable manuscript. Prerequisites: Completion of core course work and approval of the Graduate Director.

PAF 799 - Dissertation Research in Public Affairs Credits 3 – 6
Research, analysis, and writing on a topic that makes an original contribution of knowledge to the field of public affairs. Upon completion, students defend the dissertation. Students are expected to enroll in six credits a semester until the dissertation is completed; however, only twelve credits may be counted toward the degree. Grading S/F grading only Prerequisites: Completion of all course work and approval of Committee Chair.

PPY 700 - Framework for Understanding Public Policy and Agenda Setting Credits 2
Introduction to the Doctor of Public Policy. Defines the policy process and identifying the framework for how problems are understood and placed on the policy agenda. Grading Letter Grade. Prerequisites: Admission to the Doctor of Public Policy Program or permission of the instructor.

PPY 701 - Developing Policy Alternatives Credits 2
Foundation for translating public problems on the systemic agenda into policy alternatives for government action. Sources, criteria, and methods to evaluate alternatives are examined. Grading Letter Grade. Prerequisites: Admission to DPP, PPY 700, PPY 710, PPY 720 and PPY 730

PPY 704 - Models of Policy Implementation Credits 2
The translation of public policies into actionable programs. Understanding how and why policies succeed or fail in the implementation phase. Grading Letter Grade. Prerequisites: Successful completion of PPY 733X

PPY 705 - Evaluation: Closing the Loop Credits 2
Examination of the policy evaluation process to examine methods for studying the impact of policy solutions on the alleviation of community problems. Grading Letter Grade. Prerequisites: Admission to the DPP program

PPY 710 - Problem Identification and Agendas Credits 1
Identification of the different types of agendas in the policy process. Understanding how problems become agenda items. Grading Letter Grade. Prerequisites: Admission to the Doctor of Public Policy program. Corequisite: Must have taken or currently enrolled in PPY 700

PPY 712 - Sources of Policy Alternatives Credits 1
Explores the tools necessary to search for and evaluate the sources of policy alternatives that address specific problems. Grading Letter Grade. Prerequisites: Admission to the Doctor in Public Policy Program, PPY 700, PPY 710, PPY 720, PPY 730

PPY 713 - Policy-making and Legislative Decisions Credits 2
Examines the impact of legislative institutional structure on decisions at all levels of governments. Factors that shape a legislator's decisions on policy proposals are explored. Grading Letter Grade. Prerequisites: Admission into the DPP program, PPY 700, PPY 710, PPY 720, PPY 730

PPY 714 - Necessary Conditions for Policy Implementation Credits 2
Resources required for the implementation of public policies within the context of formal and informal organizations and communications and why the resources are necessary but not sufficient is analyzed. Grading Letter Grade. Prerequisites: PPY 704

PPY 715 - Building Policy Community Credits 2
Explore theoretical bases for understanding policy communities and networks and build skills in assessing and mobilizing a policy community. Grading Letter Grade. Prerequisites: Admission to the Doctor of Public Policy program.

PPY 716 - Designing the Evaluation System Credits 1
Building an integrated and transparent system to collect, store, and use policy evaluation data to assess policy impact. Grading Letter Grade. Prerequisites: Admission to the DPP program

PPY 717 - Building an Evaluation-Focused Implementation Team Credits 1
Building a policy implementation team that has the capacity to understand and evaluate policies that solve community problems. Grading Letter Grade. Prerequisites: Admission to the DPP program

PPY 720 - Using Data to Define a Problems Credits 2
This is the introductory analysis class in the doctor of public policy degree program. Focus is on identifying, analyzing, and tracking community problems using data driven techniques. Grading Letter Grade. Prerequisites: Admission to the Doctor of Public Policy Program or approval by instructor.

PPY 722 - Evaluating Policy Alternatives Credits 2
Different criteria and the techniques used to apply these criteria in evaluating different policy alternatives. Grading Letter Grade. Prerequisites: Admission to Doctor of Public Policy program.

PPY 723 - Fiscal Notes for Policy-Making.. Credits 1
Understanding why, how, and when fiscal notes are created and then used by decision-makers. Grading Letter Grade. Prerequisites: Admission to the Doctor of Public Policy program, PPY 700, PPY 710, PPY 720, PPY 730

PPY 724 - Performance Measurement and Benchmarks Credits 2
Explores the relationship between performance measurement and citizen participation to solve policy problems. Grading Letter Grade. Prerequisites: Admission to the DPP program

PPY 725 - Tracking Policy into Action Credits 2

Explores the selection and use of data analytics that can be used by policy implementation stakeholders to address implementation issues, track success, and address unintended policy consequences. Grading Letter Grade. Prerequisites: Admission to the DPP program

PPY 730 - Framing Public Policy Issues Credits 2

Only a few problems are considered for the public agenda. Framing is the process that helps understand which problems are considered and how the public responds to policy proposals to solve the proposal. Effective techniques in framing issues is the central focus of study. Grading Letter Grade. Prerequisites: Admission to the Doctor of Public Policy program. Must have completed PPY 700.

PPY 731 - Fundamentals of Writing Policy Briefs Credits 1

Provide a comprehensive review of policy writing with a focus on policy briefs. Grading Letter Grade. Prerequisites: Admission to the Doctor of Public Policy program, PPY 700, PPY 710, PPY 720, PPY 730

PPY 733 - Building A Persuasive Argument Credits 2

Discussion of policy advocacy communication platforms and venues including writing to create compelling sponsored content and developing persuasive advocacy documents to enhance communications skill when developing public policy message. Grading Letter Grade. Prerequisites: Admission to the Doctor of Public Policy program.

PPY 734 - Strategic Planning for Policy Implementation Credits 1

Use of planning models and tools to guide the policy implementation process. Grading Letter Grade. Prerequisites: Admission to the DPP program

PPY 735 - Translating Results into Performance Credits 2

Comparing and using models for gauging policy impact and making future data driven policy recommendations. Grading Letter Grade. Prerequisites: Admission to the DPP program

PPY 736 - Telling the Policy Story Credits 2

Provides a comprehensive review of policy narratives, based on meetings with policy practitioners. Grading Letter Grade. Prerequisites: Admission into the DPP program, PPY 700, PPY 710, PPY 720, PPY 730

PPY 780 - Doctoral Capstone Course I Credits 2

Identify and analyze a problem related to an area of public policy interest. Analysis serves as the foundation for future policy development. Grading Letter Grade. Prerequisites: PPY 700, PPY 710, PPY 720, PPY 730

PPY 781 - Doctoral Capstone Course II Credits 2

This course serves as the second of four courses in which students in the Doctorate in Public Policy degree complete their doctoral capstone. Notes: Letter grade Prerequisites: PPY 780

PPY 782 - Capstone III: Identifying Policy Alternatives Credits 2

Identify and analyze a problem related to an area of public policy interest. Analysis serves as the foundation for future policy development. Grading Letter Grade. Prerequisites: PPY 781

PPY 784 - Capstone V: Implementation and Evaluation Credits 2

This course is the fifth of six capstone courses in the Doctorate in Public Policy degree. Preferred policy alternatives to policy problems are selected for individual policy problem areas. Grading Letter Grade. Prerequisites: PPY 783X

PPY 785 - Capstone VI: Putting it all Together Credits 2

This is the final of six capstone courses in the Doctorate in Public Policy degree. Preferred policy alternatives to policy problems are selected for individual policy problem areas. Grading Letter Grade. Prerequisites: PPY 784.

PUA 610 - Grant Writing for Public and Nonprofit Managers Credits 1

The course intends to prepare students to understand the grant process and the steps needed to complete a well-developed funding application. Additionally, students will learn about the review process found in grant funding.

PUA 611 - Policy Advocacy and Lobbying... Credits 1

This course is designed to address advocacy and lobbying issues in the general area of public policy issues and government problems. Special attention is given to how the advocacy process works in the public and nonprofit sectors and policy making bodies and how lobbying techniques and processes can be understood.

PUA 612 - Performance Measurement for Public and Nonprofit Organizations Credits 1

This course explores the relationship between performance measurement and citizen participation. Students will explore the movement of involving citizens in the measurement of nonprofit, state and local government performance.

PUA 613 - Leadership and Ethics for Public and Nonprofit Managers Credits 1

This course is designed to explore issues related to being an ethical leader in the nonprofit setting. The course will examine ethical reasoning, leadership theories and case studies of leadership successes and failures.

PUA 627 - Data Visualization for Urban Studies Credits 3

Unveils the underlying structures of large or abstract data sets using visual methods that utilize the powerful processing capabilities of the human visual perceptual system. Focuses on the use of visual software to depict numerical data and the presentation of quantitative information clearly and effectively. Notes: This course is crosslisted with URST 427. Credit at the 600-level required additional work. Grading Letter Grade. Prerequisites: Graduate Standing

PUA 680 - Geographic Information Systems for Socioeconomic Analysis & Environmental Management Credits 3

Geographic Information Systems & Science for the application to socioeconomic analysis and environmental management in an urban setting. Fundamental concepts and technical skills including: the nature of geographic data, database development and management, use of spatial information. Grading Letter Grade.

PUA 701 - Governance and the Urban Community Credits 3

Examines the fundamental theories, structures, and processes of governance in Urban Communities in the United States. Explores the constitutional foundations and functions of legislative, administrative, and legal institutions. Covers topics such as federalism, public-private relations, and public administration. Same as SW 763 Prerequisites: Enrollment in the M.S.W. or M.P.A. program or consent of instructor.

PUA 703 - Seminar In Organization Theory Credits 3

Analyzes organizations as functioning social units. Emphasis on organization design, structure, processes, and external relationships. Formerly PUA 713

PUA 705 - Public Goods and Public Finance Credits 3
Provides an overview of public finance. Introduces concepts (such as market failures, externalities, and public goods) and tools for analyzing the proper role of government in the economy. Addresses issues of public resource allocation and taxation. Formerly PUA 704 Same as SW 765 Prerequisites: Enrollment in the MSW, MPA or ULD program or consent of instructor

PUA 707 - Law and Public Policy Credits 3
Course provides a basic understanding of how public policy is made and implemented in a federal system. The stages of the policy process are studied. Attention given to the different actors in the policy process especially the bureaucracy.

PUA 708 - Organizations and Organizational Behavior Credits 3
This course provides a broad introduction to the structure and function of organizations and the behavior of people in them, focusing on public and nonprofit organizations. Formerly PUA 718 Same as SW 767 Prerequisites: PUA 701 or consent of instructor.

PUA 711 - Seminar in Administrative Behavior Credits 3
Stresses the development of knowledge and skill in understanding the role of the administrator in the context of public agencies. Emphasis given to strategies of policy making, policy implementation and understanding the factors that bear upon the administrator acting in these capacities.

PUA 715 - Administrative Law Credits 3
Branch of law that deals with public administration. Examines authority upon which administrative agencies operate and limits necessary to control agency action. Attention given to procedures governing rule making, administrative adjudication, and judicial review. Prerequisites: PUA 701 or consent of instructor.

PUA 718 - Career Development and Performance Appraisal in the Public Sector Credits 3
Investigates how and why government agencies should develop career-stage appropriate employee development programs. Students gain greater appreciation of public sector employee evaluation systems. Formerly PUA 728 Prerequisites: PUA 708 or consent of instructor.

PUA 721 - Quantitative Methods for Public Administration Credits 3
Quantitative techniques used in program design and evaluation. Coverage includes such topics as measurement, tests of significance, and measures of association. Includes descriptive and inferential statistics and forecasting methods. Formerly PUA 722 Prerequisites: PUA 701 or consent of instructor.

PUA 723 - Research and Analytical Methods Credits 3
Examines quantitative and qualitative research methods used to answer questions and test hypotheses in public and non-profit settings. Includes identifying and reviewing scholarly literature; formulating research questions; selecting appropriate design, data collection and data analysis. Topics include causal and descriptive designs, interview and survey methods, and descriptive and inferential statistics. Prerequisites: PUA 701 or consent of instructor.

PUA 725 - Policy Analysis and Program Evaluation Credits 3
Introduces students to the practical aspects of program evaluation, and the methodologies employed to analyze a program and to conduct an evaluation in the public and nonprofit sectors. Prerequisites: PUA 721 and PUA 723 or consent of instructor.

PUA 727 - Theory and Practice of Public Sector Survey Research Credits 3
Provides the theoretical and applied components of survey research. Students learn the basics of all elements of the survey process. Same as PAF 717 Notes: Students will participate in an actual survey. Prerequisites: Admission to a graduate program.

PUA 729 - MPA Capstone Experience Credits 3
The purpose of this class is to provide the knowledge and skills needed to construct and critique evaluation designs, collect and analyze data to test the effects of government programs, and address many of the questions and issues that arise in the process of evaluating program impacts. Prerequisites: PUA 725 or Consent of the Graduate Coordinator.

PUA 740 - Urban Administration Credits 3
Urban management approached from the viewpoint of the chief administrator. Some consideration given to the city as an organic economic, political and social institution. Emphasis on administrative exercise of leadership decision making and various functional activities. Prerequisites: PUA 701 or consent of instructor.

PUA 741 - Leading and Assessing Change in Organizations Credits 3
Understanding change, how to facilitate the process and measuring success are important knowledge and skills for leaders, followers, policy makers, program evaluators and researchers. This course introduces well-established change constructs, theories, models and measures, their applications in various settings. This course also explores research methods to study change processes.

PUA 745 - Administration in a Federal and Intergovernmental Perspective Credits 3
Provides students with understanding of the issues and problems of administering public programs in a federal system. Emphasis placed on how all levels of governments work together. Studies role of grants, mandates, and state/federal statutes on administrators. Formerly PUA 706 Same as ECEM 714

PUA 749 - Ethics in Public Administration..... Credits 3
Ethics in Public Administration Grading Letter Grade

PUA 750 - Education Policy Credits 3
Examines governmental policy and structure affecting elementary and secondary school finance, administration, and management. Reviews the history and impact of various structural and policy reforms proposed from 1950 to the present. Analyzes structure, policy, and reforms in terms of equity, effectiveness in facilitating student achievement, and other criteria. Same as (PAF 750)

PUA 751 - Origins and Development of Public Policy in America Credits 3
Examines the development of public policy in America especially as it is driven by citizen's needs. In addition, it examines the impact of public policy on society Same as PAF 701 Prerequisites: Graduate standing.

PUA 756 - Policy Implementation Credits 3
Provides students an introduction to current models of implementation and the means for assessing both theory and methods; provides a bridge between the literature on policy analysis and program evaluation; offers students the opportunity to apply theoretical frameworks to practical situations.

PUA 761 - Introduction to Workforce Education Credits 3
Overview of history, philosophy and areas within the workforce education field. Formerly EDW 730

PUA 762 - Needs Assessment and Evaluation Credits 3
Discusses approaches to identifying performance problems in organizations and determining appropriate interventions. Emphasis/focus on assessment, evaluation, and measurement of workplace learning and performance activities. Formerly EDW 734

PUA 763 - Facilitation Skills for Workplace Learning and Performance Credits 1-3
Introductory course providing overview of roles and functions of the training professional. Ample opportunities to practice facilitation skills. Topics include evolution of training, current paradigms in training and development, media development, and delivery techniques. May be repeated to a maximum of 3 credits. Formerly EDW 737

PUA 764 - Technologies for the Workplace Credits 1-3
Applications of -and implications for the use emerging technology in the workplace. May be repeated for a maximum of 3 credits.

PUA 770 - Nonprofit Management and Theories of the 3rd Sector Credits 3
Examines the legal and other definitions of the 3rd sector, the sector's distinctive values, its contributions to civil society, its role vis-à-vis the government and business sectors, and current conditions in and challenges for the sector. In addition, the course will serve as an introduction the principal skills, knowledge, and abilities that are involved in the management of nonprofit organizations.

PUA 771 - Grant Writing and Evaluation Field Study Credits 3
This course is a field study in grant-making organizations. There will be an academic component discussing the methods and attributes of grant makers. This knowledge will be used in an applied component in which students will engage in the work commonly found in grant making organizations.

PUA 772 - Grant Evaluation and Strategic Allocation Field Study Credits 3
Field study in grant-making organizations. There will be an academic component discussing the methods and attributes of grant makers. Specific attention will be paid to the work of program evaluations, strategic philanthropic planning, donor advisement, donor relationship building, and grant management and reporting. Prerequisites: May be repeated to a maximum of six credits.

PUA 774 - Community Outreach and Volunteerism Credits 3
Provides a general overview of Volunteer Management as it relates to the field of public administration. Introductory course emphasizes non-profit as part of the MPA program and introduces students to the basic concepts and issues surrounding the development and management of community based volunteer programs.

PUA 775 - Strategic Planning and Program Evaluation for Nonprofits Credits 3
Provides the capability to understand, plan, implement and evaluate strategies and programs so as to take advantage of opportunities and effectively manage challenges facing their organization. Teaches students to analyze how strategic planning and evaluation strategies differ from those used in the private sector. Emphasis is on management strategies that distinguish nonprofits from for-profits and public agencies and the challenges facing each.

PUA 776 - Development for Nonprofit Managers Credits 3
Introduction to fundraising for nonprofit organizations, including annual giving, major gifts, planned giving, and campaigns.

PUA 790 - Internship Program in Public Administration Credits 1 – 6
Graduate students have a work assignment in a public agency at the national, state, or local governmental level and make regular reports on work activities and assigned readings. Formerly PUA 709 Prerequisites: PUA 701 or consent of department

PUA 792 - Current Issues in Public Administration Credits 1 - 6
Examination of timely issues in the field with special attention to the needs of the practitioner. Notes: May be repeated to a maximum of nine credits.

PUA 798 - Research in Public Administration Credits 1 - 6
Individual research projects under the direction of a faculty member. Notes: May be repeated to a maximum of six credits. Prerequisites: PUA 701 and PUA 723 and/or consent of instructor.

ULD 700 - Special Topics in Urban Leadership Credits 1-3
This course addresses topics related to current issues in urban leadership. May be repeated with new content. Maximum credit 6 units.

ULD 701 - Leading Ethical Organizations Credits 3
This course introduces theoretical frameworks related to understanding the dynamics of self, the organization and the norms and values associated with ethical leadership of state and governmental agencies. Students will develop an understanding of how leaders in disparate organizations can affect climate and culture to facilitate inter-organizational cooperation and collaboration. Formerly EDA 701. Corequisite: ULD 705

ULD 705 - Leadership Field Experience I Credits 1 – 3
Allows graduate students to participate in and observe the culture, climate, and organizational structure of a variety of community agencies, including schools. Open only to, and required of, students pursuing a M.A. in Urban Leadership. Formerly EDA 705. Corequisite: ULD 701

ULD 720 - Urban Governance Credits 3
Urban governance refers to the coordination of activities among organizations, institutions, and individuals within and between urban communities. Examine how these structures constrain and enable collective decision making about critical urban issues.

ULD 722 - Urban Issues Credits 3
Examine contemporary issues that challenge urban communities. Topics include social equity, community resilience, and public health. Address issues underlying the Community Engagement Legacy Project. Same as PUA 723

ULD 730 - Leading in Diverse Communities Credits 3
The growth and development of a dynamic community is enhanced when leaders of schools and affiliated community agencies demonstrate cultural competence. This course focuses on the knowledge and skills leaders need work in cross-cultural situations, to build effective collaborative relationships, and to mobilize community resources. Formerly EDA 730.

ULD 731 - Urban Development Credits 3
Challenges faced by the contemporary urban community and related issues of development. The development process, particularly as it relates to housing, infrastructure, and community/economic development.

ULD 732 - Leading a Learning Organization Through Community Building Credits 2

This course focuses on how to work effectively with diverse families and community members in: assessing and responding to diverse community interests and needs; sharing leadership with stakeholders; motivating and mobilizing community resources; examining relationships between schools and communities from demographic and political perspectives.

ULD 735 - Design Thinking for Urban Issues Credits 3

Unique problem solving approach that emphasizes innovation in the public sector. Introduction to design thinking with specific application to urban issues.

ULD 737 - From Analytics to Action: How to use Data Credits 3

Becoming advanced consumers of data. How to interpret different types of analysis and how the findings from statistical models and program evaluations can support different decision processes. Introduction to different types of data applications including big data options.

ULD 740 - Instructional Seminar: Designing & Monitoring the Instructional Program Credits 1

This seminar focuses on instructional strategies to meet the needs of all learners, with an emphasis on developing systems to guide instructional supervision through the use of research-based instructional frameworks.

ULD 742 - Social Media and Communication Technology Credits 3

Social media encompasses a wide range of technological platforms. Thoughtful implementation of social media options. Determine, when and how to best employ a social media strategy in a data and technology rich environment. Formerly EDA 742. Notes: May be repeated to a maximum of nine credits. Prerequisites: Consent of program.

ULD 744 - Leading and Assessing Change in Organizations Credits 3

Change is a constant demand and required activity in all organizations. This course examines research, theory and strategies for leading change processes that make the difference in having success or failure.

ULD 750 - Leadership in Urban Contexts Credits 3

To identify and assess existing personal leadership traits in the context of urban environments. To develop unique personal leadership skills and strategies for addressing urban opportunities and challenges. Prerequisites: Admission into the Master of Arts - Urban Leadership program.

ULD 751 - Education Law and Public Policy Seminar: Student Rights and Responsibilities Credits 1

Expands student knowledge and application of applicable federal, state, and local requirements and public policy for student rights and responsibilities through a carefully designed series of case studies intended to develop the student's capacity to create a safe and productive school culture.

ULD 752 - Developing and Nurturing Teams Credits 3

Learn strategies and skills for developing effective small-teams for project-based work. Prerequisites: Admission to the Master of Arts - Urban Leadership program.

ULD 753 - Education Law and Public Policy Seminar: Resource Management for Student Learning Credits 2

Expands knowledge and develops skill in the management of fiscal and human resources of a school to achieve greater student performance. Case studies and simulations will be employed to develop resource management knowledge and skills. This course contributes to the capstone experience required for completion of the degree program.

ULD 754 - Collaborative Leadership Credits 3

Using a series of case studies to assess and develop potential leadership strategies for collaborative environments. Prerequisites: Admission to the Master of Arts - Urban Leadership program.

ULD 755 - Education Law and Public Policy Seminar: Exceptional and At-Risk Students Credits 1

This seminar addresses applicable federal, state, and local requirements and public policy for providing services to exceptional and at-risk student populations through study of contemporary case law, case study analysis, and evidence-based program design and supervision.

ULD 757 - Education Law and Public Policy Seminar: Teacher Evaluation Credits 1

Expands knowledge and application of applicable federal, state, and local requirements and public policy for high stakes assessment of teachers. Contract management, employee discipline and recognition, and procedural expectations for insuring fairness and equity will be addressed.

ULD 780 - Community Engagement Legacy Project Credits 1- 9

To synthesize and further develop core coursework. To demonstrate leadership skills, innovative problem-solving skills, strategic planning, and collaborative management. Notes: May be repeated to a maximum of nine credits.

ULD789-Leadership Field ExperienceIII Credits 1-3

This capstone course requires students to connect knowledge bases with practical applications of leadership. Projects are individually structured under the joint guidance of university faculty and an organizational executive. Projects may address an organizational problem, an activity that furthers the organizational mission or the development of proactive community partnerships. Formerly EDA 789.

WDL 780 - Leadership in Workforce Education and Development Credits 3

Provides students with the knowledge, skills, and dispositions necessary to undertake leadership positions in diverse educational settings and organizations. Emphasis on modern leadership practices and techniques through the study of accepted theory and applied principles. Formerly EDW 780.

WDL 785 - Global and Diversity Perspectives in Workforce Development Credits 3

This course examines workforce development systems and their effectiveness in developing human capital from a global perspective. Human resource management trends and the challenges a global workforce poses for human resource practices are also discussed. Formerly EDW 785. Prerequisites: Consent of instructor.

WDL 786 - Critique of Research in Workforce Development and Organizational Leadership Credits 3

Survey and critique of research in workforce development. Formerly EDW 786.

WDL 787 - Organization Development & Change: Theories to Practice Credits 3

Overview of theories and research on organizations and managing change within them. Formerly EDW 787. Prerequisites: EDW 732

WDL 788 - Strategic Planning and Management Credits 3

Leading organizations require the ability to plan and implement a strategic plan and manage performance within an organization. Topics will revolve around strategy and performance management as it relates to workforce initiatives. Formerly EDW 788.

WDL 789 - Professional Development and Research Credits 3-6

This graduate(doctoral) level course in workforce education leadership provides participants with an opportunity to explore the functions and roles of as a leader of workforce education and development field and to apply conceptual learning relative to workforce education leadership in a workforce setting. Formerly EDW 789. Notes: May be repeated to a maximum of six credits.

WDL 796 - Workforce Development & Organizational Leadership Prospectus Credits 3

Designed to guide students to begin their dissertation process by preparing a dissertation proposal. The prospectus should provide a detailed description of a research plan. Formerly EDW 796. Prerequisites: Completion of all core courses, and completion of qualifying/comprehensive exam.

WDL 799 - Doctoral Dissertation Credits 1 - 12

Research analysis and writing toward completion of dissertation and subsequent defense. Formerly EDW 799. Notes: Twelve credits are required for the degree, may be repeated, but only twelve credits will be applied to the students degree program. Grading S/F grading only. Prerequisites: Successful completion of WDL 796 and approval by the department.

School of Social Work

The philosophy of the School of Social Work stresses the importance of both sound academic education and rich practical experience in preparing “advanced social work practitioners.” Faculty members bring to their positions a range of knowledge and applied experiences, and they are active in scholarly research, consultation, and practice in their respective fields.

Carlton Craig, Ph.D., Director

*Mary-Ann Overcamp-Martini, Ph.D.,
Graduate Coordinator*

School of Social Work Faculty

Director

Craig, Carlton - Full Graduate Faculty

Professor; B.A., Bowling Green State University, M.S.S.A., Case Western Reserve University, Ph.D., University of North Carolina. Rebel since 2016.

Graduate Program Coordinator

Overcamp-Martini, Mary-Ann - Full Graduate Faculty

Associate Professor in Residence; B.A., College of Mount St. Joseph-on-the-Ohio; M.P.A., University of Wyoming; M.S.W., Ph.D., University of Utah. Rebel since 2002

Graduate Faculty

Albert, Vicky - Full Graduate Faculty

Professor; B.S.W., M.S.W., University of Illinois; Ph.D., University of California, Berkeley. Rebel since 1998.

Bergquist, Kathleen Leilani Ja Sook - Full Graduate Faculty

Associate Professor; B.A., Christopher Newport University, M.S.W., Norfolk State University, Ph.D., College of William and Mary; J.D., Boyd School of Law, University of Nevada, Las Vegas. Rebel since 2004.

Epstein, William M. - Full Graduate Faculty

Professor; B.A., Brooklyn College; M.S.W., University of Pittsburgh; D.S.W., Columbia University. Rebel since 1992.

Owens, Sandra - Full Graduate Faculty

Associate Professor; B.A., M.S.W., University of Nevada, Las Vegas; Ph.D., University of California, Berkeley. Rebel since 1998.

Sharma, Satish - Full Graduate Faculty

Professor; B.A., M.A., Panjab University; M.S.W., University of Iowa; Ph.D., Ohio State University. Rebel since 1982.

Sun, An-Pyng - Full Graduate Faculty

Professor; B.A., National Chung-Shing University; M.S.W., University of Illinois, Champaign-Urbana; Ph.D., Case Western Reserve University. Rebel since 1997.

Professor Emeriti

Denby Brinson, Ramona

Professor; B.S.W., Arizona State University; M.S.W., University of Nevada, Las Vegas; Ph.D., The Ohio State University. UNLV Emeritus 1998-2017.

Langston, Esther

Professor; B.A., Wiley College; M.S.W., San Diego State University; Ph.D., University of Texas. UNLV Emeritus 1970.

Oakes, Margaret

Associate Professor; B.A., University of Arizona; M.S.W., California State University, Fresno; Ph.D., University of Texas at Austin. UNLV Emeritus 1997-2010.

Rubin, Gerald K.

Associate Professor; B.A., University of Minnesota; M.S.W., Ph.D., University of Denver. UNLV Emeritus 1976-1998.

Thompson, Joanne

Professor; B.A., LaGrange College, M.S.W., University of Arkansas, Ph.D., Rutgers University. Rebel since 2003.

Plans

Master of Social Work

Dual Degree: Master of Social Work & Juris Doctor

Master of Social Work

This program is accredited by: CSWE. More information can be found at: unlv.edu/provost/vpaa/accreditation

Plan Description

The Master of Social Work (M.S.W.) program at UNLV prepares students for professional social work careers in the areas of direct practice with individuals, families and groups, and in management and community practice. The mission of the M.S.W. program is to educate students to work with populations in urban settings, utilizing generalist, problem solving, empowerment, and social justice approaches. Special attention is given to the mastery of multiple practice issues, attendant upon the present plural and diverse populations in today's American society.

Students may elect either "direct practice" or "management and community practice" as their area of concentration. The direct practice concentration prepares students for advanced social work practice with individuals, families, and groups. The management and community practice concentration prepares students for advanced administrative, managerial, and community practice in human service organizations and agencies at the local, state and national levels.

Students are provided academic knowledge related to the theory, research, and major substantive issues in the field and practice experience through practicum experiences in a variety of private and public agency environments. Field practicum placement is concurrent with classroom instruction and is an integral part of the program. A wide variety of field practicum agencies are available, and students are placed in the field under the guidance of the Field Director and in cooperation with the professional supervisory staff from local social service agencies. The program seeks to encourage and accommodate varied student interests, abilities, and career goals. Partnerships and on-going collaborative relationships between the school faculty and the service agencies facilitate a rich blend of academic and community-based experience for our students.

The M.S.W. program is designed to be consistent with the accreditation standards of the field's national professional accrediting body, the Council on Social Work Education (CSWE). The program is fully accredited by the Council

on Social Work Education. The School of Social Work does not discriminate on the basis of race, color, gender, age, creed, ethnic background, national origin, disability, and political, religious, or sexual orientation.

For more information about your program, including your graduate program handbook and learning outcomes, please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

An applicant must have the following:

1. A minimum overall grade point average of 2.75 on a 4.00 scale for the bachelor's degree. An earned bachelor's degree in social work from an accredited program or a degree in another field.
2. Completion of the following liberal arts courses: English composition or literature courses; college-level mathematics or statistics course; courses in social sciences, preferably in psychology, sociology, and anthropology; a science course; one course in fine arts or humanities; a course in history or political science; a course or content in the biological determinants of human behavior or human biology; a course or content in diverse cultures, social conditions, or social problems. The applicant must not have more than two course deficiencies to be admitted to the program, and those must be cleared by the end of the first semester of M.S.W. studies.
3. An applicant must submit an application for admission, transcripts of all college-level work, and the application fee to the Graduate College along with three letters of recommendation (as specified below), a personal statement, and transcripts of all college-level work.
4. The applicant must submit to the School of Social Work three letters of recommendation (on the prescribed form) that reflect the applicant's academic experience, general abilities, and interest and motivation in pursuing a graduate degree in social work. One of these letters should be from the most recent employer in a social work position (if applicable), and one should be from an instructor (social work instructor, if applicable) from the last college attended. The third letter should be from a person who is familiar with the applicant's overall qualifications, experience, and interest in pursuing the M.S.W. degree.
5. Students with a BSW degree from a program accredited by the Council of Social Work Education may be admitted through Advanced Standing at the determination of the MSW Program. Applicants must have an undergraduate GPA of 3.25 overall, with preference for post-BSW practice experience of 5 years. Applicants will be required to complete the Advanced Standing Summer Term of 4 required

courses completed to a 3.0 GPA or above. Students who do not have a 3.0 at the end of the Summer Term will not be allowed to continue into the concentration year of the MSW Program but will be allowed to enter the foundation year of the 63-credit MSW Program.

All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.

Admission to the MSW Program cannot be deferred. The student must also enroll in the program to which admission is offered (i.e., a particular concentration, full or part-time). Students must make any request for a change in status in writing and in accordance with School procedure. Also considering the rigor of the program, students must evaluate if their individual circumstances and resources warrant applying for the full-time or part-time program. Students working 20 hours a week or more are strongly advised to apply to the part-time program.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

Subplan 1 Requirements: Capstone Track

Total Credits Required: 63

Course Requirements

Required Courses – Credits: 27

- SW 701 - Social Welfare Policy I
- SW 703 - Social Welfare Policy II
- SW 715 - Human Behavior and the Social Environment I
- SW 716 - Social Work Research I
- SW 719 - Foundation Practicum I
- SW 720 - Foundation Practice Methods I
- SW 726 - Social Work Research II
- SW 729 - Foundation Practicum II
- SW 730 - Macro Theory and Practice

Concentration Courses – Credits: 24

Complete 24 credits of coursework from one of the following concentration areas:

Direct Practice

- SW 707 - Contemporary Issues in Diversity
- SW 739 - Field Practicum I (DP)
- SW 740 - Direct Practice I
- SW 747 - DSM: Assessment and Diagnosis
- SW 749 - Field Practicum II (DP)

- SW 750 - Direct Practice II
- SW 776 - Legal and Ethical Issues in Social Work
- SW 785 - Special Topics in Advanced Policy Management and Community Practice
- SW 707 - Contemporary Issues in Diversity
- SW 759 - Field Practicum I (MCP)
- SW 760 - Management and Community Practice I
- SW 765 - Financial Management and Resource Development
- SW 769 - Field Practicum II (MCP)
- SW 770 - Management and Community Practice II
- SW 775 - Advanced Policy Practice
- SW 776 - Legal and Ethical Issues in Social Work

Elective Courses – Credits: 9

Complete a minimum of 9 credits of Social Work electives, or other advisor-approved graduate-level courses.

Capstone Course – Credits: 3

- SW 795 - Capstone Seminar

Degree Requirements

Complete course work with a minimum overall grade point average of 3.00 on a 4.00 scale.

Graduation Requirements

The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.

Successfully complete the capstone course.

Subplan 2 Requirements: Thesis Track

Total Credits Required: 63

Course Requirements

Required Courses – Credits: 27

- SW 701 - Social Welfare Policy I
- SW 703 - Social Welfare Policy II
- SW 715 - Human Behavior and the Social Environment I
- SW 716 - Social Work Research I
- SW 719 - Foundation Practicum I
- SW 720 - Foundation Practice Methods I
- SW 726 - Social Work Research II
- SW 729 - Foundation Practicum II
- SW 730 - Macro Theory and Practice

Concentration Courses – Credits: 24

Complete 24 credits of coursework from one of the

following concentration areas:

Direct Practice

- SW 707 - Contemporary Issues in Diversity
- SW 739 - Field Practicum I (DP)
- SW 740 - Direct Practice I
- SW 747 - DSM: Assessment and Diagnosis
- SW 749 - Field Practicum II (DP)
- SW 750 - Direct Practice II
- SW 776 - Legal and Ethical Issues in Social Work
- SW 785 - Special Topics in Advanced Policy

Management and Community Practice

- SW 707 - Contemporary Issues in Diversity
- SW 759 - Field Practicum I (MCP)
- SW 760 - Management and Community Practice I
- SW 765 - Financial Management and Resource Development
- SW 769 - Field Practicum II (MCP)
- SW 770 - Management and Community Practice II
- SW 775 - Advanced Policy Practice
- SW 776 - Legal and Ethical Issues in Social Work

Elective Courses – Credits: 6

Complete a minimum of 6 credits of Social Work electives, or other advisor-approved graduate-level courses.

Thesis – Credits: 6

- SW 796 - Thesis

Degree Requirements

1. Complete course work with a minimum overall grade point average of 3.00 on a 4.00 scale.
2. In consultation with his/her advisor, a student will organize a thesis committee of at least three departmental members. In addition, a fourth member from outside the department, known as the Graduate College Representative, must be appointed. An additional committee member may be added at the student and department's discretion. Please see Graduate College policy for committee appointment guidelines.

Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
2. The student must submit and successfully defend his/her thesis by the posted deadline. The defense must be advertised and is open to the public.

3. After the thesis defense, the student must electronically submit a properly formatted pdf copy of their thesis to the Graduate College for format check. Once the thesis format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for thesis defenses, format check submissions, and the final ProQuest submission can be found here.

Subplan 3 Requirements: Advanced Standing Capstone Track

Total Credits Required: 42

Course Requirements

Bridge Courses – Credits: 12

- SW 707 - Contemporary Issues in Diversity
- SW 734 - Advanced Standing Practice Seminar
- SW 736 - Advanced Standing Integrative Seminar
- SW 776 - Legal and Ethical Issues in Social Work

Concentration Courses – Credits: 18

Complete 18 credits of coursework from one of the following concentration areas:

Direct Practice

- SW 739 - Field Practicum I (DP)
- SW 740 - Direct Practice I
- SW 747 - DSM: Assessment and Diagnosis
- SW 749 - Field Practicum II (DP)
- SW 750 - Direct Practice II
- SW 785 - Special Topics in Advanced Policy
- Management and Community Practice
- SW 759 - Field Practicum I (MCP)
- SW 760 - Management and Community Practice I
- SW 765 - Financial Management and Resource Development
- SW 769 - Field Practicum II (MCP)
- SW 770 - Management and Community Practice II
- SW 775 - Advanced Policy Practice

Elective Courses – Credits: 9

Complete a minimum of 9 credits of Social Work electives, or other advisor-approved graduate-level courses.

Capstone Course – Credits: 3

- SW 795 - Capstone Seminar

Degree Requirements

Complete course work with a minimum overall grade point average of 3.00 on a 4.00 scale.

Graduation Requirements

The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.

Successfully complete the capstone course.

Subplan 4 Requirements: Advanced Standing Thesis Track

Total Credits Required: 42

Course Requirements

Bridge Courses – Credits: 12

- SW 707 - Contemporary Issues in Diversity
- SW 734 - Advanced Standing Practice Seminar
- SW 736 - Advanced Standing Integrative Seminar
- SW 776 - Legal and Ethical Issues in Social Work

Concentration Courses – Credits: 18

Complete 18 credits of coursework from one of the following concentration areas:

Direct Practice

- SW 739 - Field Practicum I (DP)
- SW 740 - Direct Practice I
- SW 747 - DSM: Assessment and Diagnosis
- SW 749 - Field Practicum II (DP)
- SW 750 - Direct Practice II
- SW 785 - Special Topics in Advanced Policy Management and Community Practice
- SW 759 - Field Practicum I (MCP)
- SW 760 - Management and Community Practice I
- SW 765 - Financial Management and Resource Development
- SW 769 - Field Practicum II (MCP)
- SW 770 - Management and Community Practice II
- SW 775 - Advanced Policy Practice

Elective Courses – Credits: 6

Complete a minimum of 6 credits of Social Work electives, or other advisor-approved graduate-level courses.

Thesis – Credits: 6

- SW 796 - Thesis

Degree Requirements

1. Complete course work with a minimum overall grade point average of 3.00 on a 4.00 scale.
2. In consultation with his/her advisor, a student will organize a thesis committee of at least three departmental members. In addition, a fourth member from outside the department, known as the Graduate College Representative, must be appointed. An

additional committee member may be added at the student and department's discretion. Please see Graduate College policy for committee appointment guidelines.

Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
2. The student must submit and successfully defend his/her thesis by the posted deadline. The defense must be advertised and is open to the public.
3. After the thesis defense, the student must electronically submit a properly formatted pdf copy of their thesis to the Graduate College for format check. Once the thesis format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for thesis defenses, format check submissions, and the final ProQuest submission can be found here.

Plan Graduation Requirements

Refer to your subplan for Graduation Requirements.

Dual Degree: Master of Social Work & Juris Doctor

Plan Description

The Juris Doctor/Master of Social Work (JD/MSW) dual degree program allows students to be admitted to both programs and to pursue the two degrees concurrently.

Pursued individually, the JD requires the completion of 89 credit hours and the MSW requires the completion of 63 credit hours. The dual MSW/JD degree would require the completion of 80 law credit hours and 54 social work credit hours, as 9 hours of law courses are accepted toward the MSW and 9 hours of social work courses are accepted toward the JD.

For more information about your program, including your graduate program handbook and learning outcomes, please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

Applicants to the JD/MSW degree program must apply for, and gain admission to, both the Boyd School of Law JD program and to the School of Social Work MSW program, respectively. Admission requirements are the same as those listed under the regular JD and MSW programs.

While applications from current students in either program will be considered, students normally should seek and satisfy admission to enter both programs upon entering

the university. However, petitions requesting admission to the dual JD/MSW program from students at more advanced stages in either program will be considered. Those interested are encouraged to submit a request for permission to participate in the program, along with applications for admission, at the earliest possible time. Contact the William S. Boyd School of Law at (702) 895-2440 and the UNLV School of Social Work programs at (702) 895-3311 for further information on admissions requirements.

All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

See Subplan Requirements below.

Subplan 1 Requirements: Direct Practice Concentration

Total Credits Required: 134

Course Requirements

Total Credits Required for the Social Work M.S.W.: 54

Required Courses – Credits: 27

- SW 701 - Social Welfare Policy I
- SW 703 - Social Welfare Policy II
- SW 715 - Human Behavior and the Social Environment I
- SW 716 - Social Work Research I
- SW 719 - Foundation Practicum I
- SW 720 - Foundation Practice Methods I
- SW 726 - Social Work Research II
- SW 729 - Foundation Practicum II
- SW 730 - Macro Theory and Practice

Direct Practice Courses – Credits: 24

- SW 707 - Contemporary Issues in Diversity
- SW 739 - Field Practicum I (DP)
- SW 740 - Direct Practice I
- SW 747 - DSM: Assessment and Diagnosis
- SW 749 - Field Practicum II (DP)
- SW 750 - Direct Practice II
- SW 776 - Legal and Ethical Issues in Social Work
- SW 785 - Special Topics in Advanced Policy

Capstone Course – Credits: 3

- SW 795 - Capstone Seminar

Total Credits Required for the Juris Doctor: 80

Required Courses – Credits: 44

Free Electives at Law School – Credits: 24

Directed Electives at Law School – Credits: 12

Degree Requirements

Complete course work with a minimum overall grade point average of 3.00 on a 4.00 scale.

Graduation Requirements

See Plan Graduation Requirements below.

Subplan 2 Requirements: Management and Community Practice Concentration

Total Credits Required: 134

Course Requirements

Total Credits Required for the Social Work M.S.W.: 54

Required Courses – Credits: 27

- SW 701 - Social Welfare Policy I
- SW 703 - Social Welfare Policy II
- SW 715 - Human Behavior and the Social Environment I
- SW 716 - Social Work Research I
- SW 719 - Foundation Practicum I
- SW 720 - Foundation Practice Methods I
- SW 726 - Social Work Research II
- SW 729 - Foundation Practicum II
- SW 730 - Macro Theory and Practice

Management and Community Practice Courses – Credits: 24

- SW 759 - Field Practicum I (MCP)
- SW 760 - Management and Community Practice I
- SW 765 - Financial Management and Resource Development
- SW 769 - Field Practicum II (MCP)
- SW 707 - Contemporary Issues in Diversity
- SW 770 - Management and Community Practice II
- SW 775 - Advanced Policy Practice
- SW 776 - Legal and Ethical Issues in Social Work

Capstone Course – Credits: 3

- SW 795 - Capstone Seminar

Total Credits Required for the Juris Doctor: 80

Required Courses – Credits: 44

Free Electives at Law School – Credits: 24

Directed Electives at Law School – Credits: 12

Degree Requirements

Complete course work with a minimum overall grade point average of 3.00 on a 4.00 scale.

Graduation Requirements

See Plan Graduation Requirements below.

Plan Graduation Requirements

1. Students cannot graduate from one portion of the dual degree until the requirements for both are met. Students must apply to graduate from both programs for the same semester.
2. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements.
3. Successfully complete the capstone seminar.

School of Social Work Courses

SW 602 - The Effects of War on Individuals and Communities Credits 3

The course examines the effects that overwhelming and horrifying events in war have on the individual and their social environment. A variety of countries at war will be examined through film, literature, journal articles, and the internet to help understand the settings and real life outcomes of war. Notes: This course is crosslisted with SW 402. Credit at the 600-level requires additional work.

SW 661 - Seminar: Contemporary Issues in Social Welfare Credits 1-6

In-depth examination of current major issues in social programs and policies, and consideration of alternatives. Notes: This course is crosslisted with SW 461. Credit at the 600-level requires additional work. May be repeated.

SW 671 - Advanced Seminar: Special Problems Credits 1-3

Topic to be selected by instructor. Notes: This course is crosslisted with SW 471. Credit at the 600-level requires additional work.

SW 672 - Principles of Family Counseling Credits 3

Seminar designed to study the principles, process, and skills required for helpers to assist family members in coping with dysfunction in the family unit. Notes: This course is crosslisted with SW 472. Credit at the 600-level requires additional work.

SW 674 - Grant Writing and Management Credits 3

Prepares current health and human service professionals to develop and write effective grant proposals. Provides a basic overview and review of the grant writing process. This course helps students generate program ideas, plan and develop funding proposals to support those ideas, and seek appropriate funding sources. Notes: This course is crosslisted with SW 474. Credit at the 600-level requires additional work.

SW 675 - Treatment of Addictions Credits 3

Five elements covered include; classification of drugs, phases of treatment of addictions, basic individual and group treatment skills, contents of various treatment approaches, and the treatment guidelines regarding working with special populations, including women, adolescents, elderly, etc. Notes: This course is crosslisted with SW 475. Credit at the 600-level requires additional work.

SW 678 - Global Child Welfare Credits 3

This course addresses the major challenges faced by children and their families globally and prepares the student for further study or action in specific areas of concern. Each content area (poverty, child labor, exploitation, etc.) will cover incidence, political, social and cultural interplay, current response, and recommended future strategies. Notes: This course is crosslisted with SW 478. Credit at the 600-level requires additional work. Prerequisites: SW 715 and SW 735 or consent of instructor.

SW 693 - Gandhian Welfare Philosophy and Nonviolent Culture Credits 3

Introduction to the chosen topics in Gandhian welfare philosophy. Ethical, moral, social, and political foundations of Gandhian thought explored and their applications to problem resolution strategies and peaceful change at different levels demonstrated. Notes: This course is crosslisted with SW 493. Credit at the 600-level requires additional work.

SW 701 - Social Welfare Policy I Credits 3

Introduction to the history and philosophy of social welfare and social work in the United States. Social welfare decision making, policies, and services. Theory of social need and social interventions. Prerequisites: Graduate standing in Social Work.

SW 703 - Social Welfare Policy II Credits 3

Examines social welfare policy and provides analytical frameworks and guidelines for determining the efficacy of public policy in addressing human needs. Focuses on the issues of poverty, social services and generalist social work practice. Prerequisites: SW 701

SW 705 - Social Work Practice with Therapeutic Groups Credits 3

Historical development of group work, practice methodology in interactional groups, and theoretical underpinnings for social work practice. Focuses on development of skills to lead therapeutic groups with a variety of diverse urban population. Prerequisites: SW 720 and SW 730 or SW 780

SW 707 - Contemporary Issues in Diversity Credits 3

In-depth study of selected contemporary issues in diversity, including issues such as immigration and native status, ethnicity, gender, and sexual orientation. Notes: Course may be repeated to a maximum of six credits.

SW 710 - Child Welfare Practice Credits 3

Develops advanced knowledge and skills for use in intervening in current or potential problems of abuse, neglect, dependency, unruliness, and delinquency of children and youth. Types of services, both traditional and new, social workers provide to children. Prerequisites: SW 793 or concurrent enrollment in SW 793.

SW 715 - Human Behavior and the Social Environment I Credits 3

Provides advanced knowledge-building theories and knowledge of normal and abnormal human bio-psycho-social development and functioning of individuals, families and micro-groups. Focuses on the impact of social, economic, and cultural systems on individual, family and group well-being. Provides foundational understanding of the use of DSM-IV. Prerequisites: Graduate standing in Social Work.

SW 716 - Social Work Research I Credits 3

Provides an understanding of the scientific-analytic approach to the building of the knowledge base for social work practice at different levels. Provides familiarity with quantitative and qualitative research methodologies, various research designs, sampling procedures, data collection procedures, data analysis techniques, and report writing. Emphasizes diversity, empowerment, and social justice considerations as well as ethical standards of conducting research. Prerequisites: Graduate standing in Social Work.

SW 719 - Foundation Practicum I Credits 3

Foundation field practicum course requires 225 hours of generalist social work practice in a social service agency and participation in weekly field seminar classes. Provides broad range of experiences, from micro to macro levels of intervention. Ongoing professional field supervision/consultation is a required component. Corequisite: Enrollment in SW 720.

SW 720 - Foundation Practice Methods I... Credits 3

First course in the foundation practice sequence introduces students to a generalist practice approach with individual, families, and groups. Emphasizes values, ethics, knowledge, and skills essential for working with clients. Prepares students with generic practice skills in assessment, interviewing, intervention, evaluation, and termination. Prerequisites: Graduate standing in Social Work. Corequisite: Enrollment in SW 719.

SW 726 - Social Work Research II Credits 3

Provides knowledge and practice of program evaluation, single-subject design, descriptive statistics, inferential statistics, data management and data analysis using SPSS. Prerequisites: SW 716

SW 729 - Foundation Practicum II Credits 3

Foundation field practicum course requires 225 hours of generalist social work practice in a social service agency and participation in weekly field seminar classes. Provides broad range of experiences, from micro to macro levels of intervention. Ongoing professional field supervision/consultation is a required component. Prerequisites: SW 719 Corequisite: Enrollment in SW 730.

SW 730 - Macro Theory and Practice..... Credits 3

Second course in the generalist foundation practice sequence focuses on professional practice with organizations, groups, coalitions, and communities, utilizing advanced knowledge and theories at the mezzo and macro levels. Emphasizes a strengths perspective and provides generalist-level content in management, community organization and development, and policy practice. Prerequisites: SW 719, SW 720 Corequisite: Enrollment in SW 729.

SW 734 - Advanced Standing Practice Seminar Credits 3

Overview of the generalist model of social work practice with individuals, families, groups, communities, and organizations, emphasizing the integration of knowledge and practice, with the emphasis on practice skill development. Notes: Non-repeatable Grading Letter Grade

SW 736 - Advanced Standing Integrative Seminar Credits 3

Overview of the scientific method and research methodology with application of qualitative and quantitative analysis to social problems at the micro and macro levels, with special reference to diverse and oppressed populations. Notes: Non-repeatable for credit. Grading Letter Grade.

SW 739 - Field Practicum I (DP) Credits 3

Field practicum requires 300 hours in a social service agency and attendance in weekly field seminar classes. Builds upon generalist foundation. Prepares for advanced, critically analyzed, and ultimately autonomous direct social work practice. Ongoing professional field supervision/consultation also required.

Prerequisites: SW 729 or Advanced Standing. Corequisite: Enrollment in SW 740.

SW 740 - Direct Practice I Credits 3

First course in advanced direct social work practice. Integrates skills of assessment, interviewing, intervention, and termination into social work treatment models and theories. Builds upon generalist foundation. Highlights empowerment, client advocacy, and strengths perspective. Emphasizes social work with individuals from culturally diverse and oppressed populations. Prerequisites: SW 730 or advanced standing. Corequisite: Enrollment in SW 739.

SW 747 - DSM: Assessment and Diagnosis Credits 3

Exploration and a synopsis of the criteria for diagnoses in the DSM for social work practice. Focuses on the use of DSM in assessment interventions and with diverse urban populations.

SW 749 - Field Practicum II (DP) Credits 3

Field practicum course requires 300 hours of experience in a social service agency and attendance in weekly field seminar classes. Builds upon generalist foundation. Prepares for advanced, critically analyzed, and ultimately autonomous direct social work practice. Ongoing professional field supervision/consultation also required. Prerequisites: SW 739 Corequisite: Enrollment in SW 750.

SW 750 - Direct Practice II Credits 3

Second course in advanced direct social work practice. Intergrades systems of family-centered practice. Builds upon generalist and advanced curricula. Explores context of social work with families and groups via historical, conceptual, and contemporary modes of practice. Emphasizes working with culturally diverse and oppressed populations. Prerequisites: SW 740 Corequisite: Enrollment in SW 749.

SW 755 - Seminar in Forensic Social Work Credits 3

Explores the interaction between social work and the law. Emphasizes the knowledge, skills, and values of practice with and within legal settings with a focus on interdisciplinary collaborations, ethical issues, and the varying roles of social workers within the legal arena.

SW 759 - Field Practicum I (MCP) Credits 3

Field practicum course requires 300 hours of experience in a social service agency and attendance in weekly field seminar classes. It builds upon generalist foundation. Prepares for advanced, critically analyzed and ultimately autonomous practice in management and community practice. Ongoing professional field supervision/consultation also required. Prerequisites: SW 729 or advanced standing. Corequisite: Enrollment in SW 760.

SW 760 - Management and Community Practice I Credits 3

Advanced applications of the management and planning processes as they relate to community organization and development. Uses community practice and management frameworks for human service organizations and community development and change. Prerequisites: SW 729 or advanced standing. Corequisite: Enrollment in SW 759.

SW 765 - Financial Management and Resource Development Credits 3

Addresses the knowledge and skills needed to financially manage a human services organization. Prepares the student with problem-solving skills for innovative management in financial processes such as planning, financial control and analysis, budgeting, grant proposal writing, and resource development and allocation in a challenging environment. Same as PUA 705 Prerequisites: PUA 701 or consent of instructor.

SW 768 - Supervision in Social Work Credits 3

Delineates and explores principles, concepts, and components of supervision in social work. Examines the transition from worker to supervisor, differentiates supervision and consultation. Prerequisites: Graduate standing in Social Work.

SW 769 - Field Practicum II (MCP) Credits 3

Field practicum course requires 300 hours of experience in a social service agency and attendance in weekly field seminar classes. It builds upon generalist foundation. Prepares for advanced, critically analyzed and ultimately autonomous practice in management and community practice. Ongoing professional field supervision/consultation also required. Prerequisites: SW 759 or advanced standing. Corequisite: Enrollment in SW 770.

SW 770 - Management and Community Practice II Credits 3

Develops skills in needs assessment, program design and evaluation. Students understand social problems in the context of their communities and the needs and problems of a variety of sub-populations. Prerequisites: SW 760 Corequisite: Enrollment in SW 769.

SW 775 - Advanced Policy Practice Credits 3

Advanced knowledge and skills in effective advocacy in the human services, particularly in management and community practice. Focus on social workers as political actors and activists with the ability to determine effective strategies and techniques among policy alternatives and an understanding of ethical complexity in an advocacy and political context. Prerequisites: SW 701, SW 703, SW 730

SW 776 - Legal and Ethical Issues in Social Work Credits 3

Formerly SW 676

SW 779 - Field Practicum (APP) III Credits 3

Supervised social work practice experience consisting of 300 hours in a child welfare agency and attendance in weekly field seminar classes. Provides for the integration and application of social work values, knowledge, and micro to macro levels of advanced practice skills. Prerequisites: SW 769 Corequisite: Enrollment in SW 780.

SW 785 - Special Topics in Advanced Policy Credits 3

Advanced studies in a selected social policy issue. Emphasizes policy analysis of current and critical issues in areas such as child and family studies, poverty and homelessness, health and mental health, addictions, and policy practice. Prerequisites: SW 701, SW 703.

SW 786 - Child Welfare Program Evaluation Credits 3

In-depth analysis of the planning and evaluation process in child welfare. Analyzes challenges confronting child welfare organizations in the United States. Prerequisites: SW 716, SW 726

SW 789 - Field Practicum II (Child Welfare) Credits 3

Supervised social work practice experience consisting of 300 hours in a child welfare agency and attendance in weekly field seminar classes. Provides for an appropriate progression in the integration and application of social work values, knowledge, and micro to macro levels of advanced practice skills. Prerequisites: Child Welfare Concentration.

SW 790 - Family-Based Practice Credits 3

Provides students with an understanding of and advanced competencies in family-based services. Integration of theory, practice, programming and research within family-based services. Students apply therapeutic problem solving models to complex family patterns. Prerequisites: SW 710, SW 793, or consent of instructor.

SW 791 - Advanced Practice With Children Credits 3

Examination of child and adolescent treatment issues and corresponding interventions. Child behavior disorders; issues of abandonment, grief and loss; and general children's mental health issues. Prerequisites: Graduate standing in Social Work.

SW 795 - Capstone Seminar Credits 3

Capstone seminar focused on assessing intervention theories and strategies regarding a specific topic in social work practice. Prerequisites: SW 701, SW 703, SW 715, SW 716, SW 719, SW 720, SW 726, SW 729, and SW 730.

SW 796 - Thesis Credits 3

Development, completion, and oral defense of research project before a chosen committee, aimed at evaluation of practice outcomes at different levels and advancement of scientific knowledge for social work practice. Prerequisites: SW 716, SW 726

SW 797 - Culturally Competent Child Welfare Practice Credits 3

Cultural competence in child welfare practice. Examination social, psychological, economic, political, and other structural aspects of racism, ethnicity, and multiculturalism as a dynamic of the public child welfare services system in the United States. Prerequisites: Graduate standing in Social Work.

SW 798 - Child Welfare Administration and Supervision Credits 3

Introduces students to contemporary theories on administration and supervision in organizations which provide services to children and families. Focuses on public and nonprofit child welfare administration and supervision. Prerequisites: SW 793

SW 799 - Independent Study Credits 1 – 3

Intensive study in a specific area of student interest under the direction of a faculty member. May be repeated to a maximum of six credits. Prerequisites: Consent of instructor.

SW 7001 - Introduction to Forensic Social Work Credits 1

Required for Forensic Social Work Certification. Course provides an overview of forensic social work principles and practice. Students are oriented to the roles and functions of social workers in host legal settings, and introduced to the organizational and professional cultural factors inherent to interdisciplinary collaborations.

SW 7002 - Seminar in Criminal Law Credits 3

Required for Forensic Social Work Certification. Addresses the social worker's involvement in criminal law as part of a legal team. Topics cover criminal litigation from the time an individual is charged through to adjudication and sentencing. Prerequisites: Admission to the Forensic Social Work Certification Program.

SW 7003 - Seminar in Family Law Credits 3

Surveys a spectrum of issues involving marriage, cohabitation and the family. Topics include the law and ethics of alternative dispute resolution (e.g. family, custody and divorce mediation), litigation in family matters, adoption, custody, guardianship, same-sex cohabitants, and parent-child issues with a solution focus. Prerequisites: Admission to the Forensic Social Work Certification Program.

SW 7004 - Skills Lab in Forensic Social Work Credits 3

Students will demonstrate forensic social work practice skills under critical analysis and review. Areas of focus include documentation and report writing for the legal arena, expert witness testimony, interviewing and assessment, mock court and advocacy. Prerequisites: Admission to the Forensic Social Work Certification Program.

SW 7005A - Field Practicum - Forensic Social Work
Credits 3

Required for Forensic Social Work Certification. Alternative to SW 7005B. Experiential learning at a community-based agency within the legal arena. Students will apply forensic social work theory and concepts to supervised practice. Notes: Course requires completion of practicum hours and field seminar attendance. Prerequisites: Admission to the Forensic Social Work Certification Program; SW 7001.

SW 7005B - Professional Presentation - Forensic Social Work
Credits 3

Alternative to SW 7005A. Students will participate in directed research and present in a topical area of forensic social work theory or practice at a conference or symposium. Prerequisites: Admission to the Forensic Social Work Certification Program; instructor permission required.

SW 7010 - Capstone to Forensic Social Work **Credits 2**

Continuation of SW 7001; students are required to demonstrate integration and synthesis of certification program content. Requirements include the production of (1) a publication quality paper co-authored with social work or law faculty, and (2) a professional portfolio documenting program achievements. Prerequisites: Admission to the Forensic Social Work Certification Program, SW 7001.

Interdisciplinary Programs

The institutional mission of the Graduate College includes advancing graduate education at UNLV. All Interdisciplinary Graduate Programs (IDGP) are structurally housed in the Graduate College. From program inception to approval launch, the Graduate College provides support for faculty in IDGP creation and implementation.

Developed to address contemporary needs at local, state, national or global levels, Interdisciplinary Graduate Programs often serve to fill a gap in specialized workforce needs. Interdisciplinary Graduate Programs provide the student with educational opportunities across numerous disciplines, unlike what is delivered within the boundaries of a single department curriculum. The combination of faculty expertise across departments and schools/colleges provides the student with a broad perspective of the content area. This breadth of information is highly focused upon the specialty of each Interdisciplinary Graduate Program.

Kate Korgan, Ph.D., Dean, Graduate College

Emily Lin, Ph.D., Associate Dean, Graduate College

Programs

Master of Science - Cybersecurity

Doctor of Philosophy - Interdisciplinary Health Sciences

Doctor of Philosophy - Neuroscience

Master of Science - Cybersecurity

The Department of Labor, among other entities, has indicated that there is a demand at the local, state, regional, and national levels for individuals to be trained in the knowledge of computers, networks, and risk and security management. The M.S. in Cybersecurity addresses this key societal need. Students in this program will be trained in technical and managerial aspects of cybersecurity.

Participating Departments

Management, Entrepreneurship, and Technology - Lee Business School

Computer Science - College of Engineering

Plan Description

Currently, there is a demand at the local, state, region and national level for individuals to be trained in the knowledge of computers, networks, and risk and security management. Students will be trained in technical and managerial aspects of cybersecurity.

For more information about your program, including your graduate program handbook and learning outcomes, please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

1. Undergraduate degree in a technology program (i.e., CS, IS, Security, Engineering, etc.)
2. Applicants with satisfactory scores on the general aptitude portion (50th percentile or higher) of the Graduate Record Examination (GRE) will be considered for admission.
3. Overall undergraduate GPA of 2.75, or 3.0 during the final 2 years of the program
4. Official transcript of all university-level education
5. Two letters of recommendation concerning the potential for success in the graduate program
6. Statement of purpose explaining interest in the program

All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

Total Credits Required: 30

Course Requirements

Required Courses – Credits: 24

- CSEC 700 - Security Operations
- CSEC 701 - Secure Communication Protocols
- CSEC 702 - Security Data Analytics
- CSEC 703 - Cyber Physical Systems Security
- CSEC 704 - Human Factors in Cybersecurity
- CSEC 705 - Enterprise Security Administration
- CSEC 706 Capstone

Elective Courses – Credits: 6

Complete 6 credits of advisor-approved electives, 3 of which must come from a CSEC course.

- CSEC 721 - Modern Cryptography
- CSEC 722 - Trusted Software Systems
- CSEC 723 - Cybercrime and Cyberterrorism
- CSEC 724 - IT Forensics and Incident Response
- CSEC 731 Cybersecurity in the Hospitality Industry
- CSEC 732 Cybersecurity in the Healthcare Industry
- CSEC 733 Cybersecurity in the Financial Industry
- CSEC 734 Information Warfare
- CSEC 750 Special Topics
- CSEC 755 Independent Study
- CSEC 780 Internship

Degree Requirements

1. Overall GPA of 3.00
2. Successful completion of culminating experience (i.e., CSEC 790 Capstone course)
3. Complete all required courses with a grade of B or higher

Plan Graduation Requirements

The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her Degree Requirements.

Doctor of Philosophy - Interdisciplinary Health Sciences

The health sector is expected to expand exponentially in the next decade and beyond. The Ph.D. in Interdisciplinary Health Sciences provides an innovative approach to healthcare research and is in response to the growing demand from federal funding agencies to have an interdisciplinary research approach to complex healthcare problems. Students from different disciplines are provided an opportunity to learn how to approach complex healthcare problems by using the expertise from related disciplines including health physics, kinesiology, nutrition, and rehabilitation sciences.

Participating Departments

Health Physics and Diagnostic Sciences – School of Integrated Health Sciences

Kinesiology and Nutrition Sciences – School of Integrated Health Sciences

Physical Therapy – School of Integrated Health Sciences

Plan Description

This Ph.D. in IHS will provide students from different disciplines an opportunity to learn how to approach complex healthcare problems by using the expertise from their own as well as other disciplines. This goal will be achieved through completion of a common core of courses identified to provide a strong research foundation along with the ability to communicate this research to a broad audience of healthcare scientists and professionals. These core courses will be the foundation of the Ph.D.; however, students will be able to individualize their program of study with appropriate specialized coursework as well as independent research experiences. Strengths of the faculty in IHS focus around the following: 1) Biomechanics, 2) Exercise Physiology and Nutrition Sciences, 3) Health Physics, 4) Motor Control/Learning, and 5) Rehabilitation Sciences.

For more information about your program, including your graduate program handbook and learning outcomes, please visit the Degree Directory.

Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

Students will be admitted into the program by the program director and the IHS admissions committee.

The minimum requirements of the Ph.D. in IHS are:

1. An overall undergraduate/graduate GPA of 3.25 or higher
2. Greater than the 50th average percentile on the quantitative, verbal, and analytic portions of the GRE (taken within the last 5 years)
3. Three letters of recommendation
4. Interview with two core faculty members
5. A curriculum vitae
6. A personal statement
7. If the applicant is from a country where English is not an official language, then the applicant must demonstrate English proficiency by scoring 80 or higher on the Test of English as a Foreign Language, by scoring 7.0 or higher on the International English Language Testing System, by earning a score of greater than the 70th percentile on the GRE-verbal, or by earning a baccalaureate or higher at a regionally accredited institution in the U.S. or in a university where English is the language of instruction.

The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Admission Requirements – Biomechanics, Exercise Physiology and Nutrition Sciences, and Motor Control/ Learning Focus

1. Graduated with a Master's degree from a regionally accredited institution in the field of kinesiology/ exercise science, biology, chemistry, computer science, engineering, psychology or other related field.

Admission Requirements - Rehabilitation Sciences Focus

1. Have graduated from an accredited rehabilitation clinical sciences profession (e.g., physical therapy, occupational therapy, speech therapy, athletic training) at either the master's or first-professional clinical doctoral level.
2. If the applicant has a professional Bachelor's degree only, then 30 additional credits of degree-consistent, graduate-level coursework (determined by the sub-plan committee) will be required.

Admission Requirements - Health Physics Focus

1. Graduated with a Master's degree from a regionally accredited institution in the field of health physics, physics, chemistry, engineering or other related field.
2. Applicants with Bachelor degrees may be admitted to the program but are required to take an additional 30 credits of elective, degree-consistent, graduate level coursework (determined by the Health Physics Graduate Committee).

All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

Total Credits Required: 60

Interdisciplinary Research Core Courses – 15 Credits

- HSC 704 - Selected Applications in Statistics 2
- HSC 710 - Seminar
- HSC 703 - Interdisciplinary Grant Writing for Health Sciences

OR

- HSC 706 - Health Science Writing and Communication
- HSC 700 - Selected Application of Statistical Techniques I
- HSC 702 - Translational Research Design
- HSC 705 - Clinical Trial Design And Analysis

Seminar Elective Courses – 30 Credits

Complete 30 credits of advisor approved graduate-level courses:

- Minimum of 6 credits of graduate level interdisciplinary courses outside of the student's primary focus area
- Minimum of 9 credits of 700-level content/focus area courses
- Up to 15 credits of
- HSC 788 - Independent Study in Interdisciplinary Health Sciences
- HSC 787 - Special Problems in Interdisciplinary Health Sciences
- HSC 790 – Guided Research

Research Dissertation Experience – 15 Credits

- HSC 789 - Dissertation Prospectus
- HSC 799 - Doctoral Dissertation

Degree Requirements

1. Students must complete 30 credits in the interdisciplinary health sciences core (15 of which are dissertation-related credits) and must complete 30 elective credits as defined above. The minimum credit total in the program is 60 credits.
2. Students must complete the degree with a cumulative GPA ≥ 3.0 and graduation must occur within 6 years for students enrolling with master's degrees and 8 years for students enrolling with bachelor's degrees.
3. Grades below B (not B-) will not be acceptable. If the grade was received in a core class, then the student must retake the class. If a core class was not satisfactorily passed on two attempts, the student will be dismissed from the program. If the grade was in an elective class, then the class can be retaken or replaced with another elective class.
4. Students will complete a comprehensive examination which will consist of a thorough literature review, an interdisciplinary grant application, and a comprehensive oral defense. If a student fails any portion of the comprehensive examination (literature review, grant, oral) they will be able to retake it again after a minimum of three months. If they fail a second time they will be separated from the program.
5. Students will also be required to complete a prospectus prior to dissertation in a focused research area. The dissertation committee will have an interdisciplinary element in that the Chair and two of the committee members will be faculty with Interdisciplinary Health Sciences Graduate Faculty status. The fourth committee must be from outside the IHS Graduate Faculty and serves as the Graduate College Representative. Additional committee members may be added as appropriate.
6. Students will complete at least one national/ international presentation as a platform or a poster from research generated during their Ph.D. program.

Plan Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her Degree Requirements for the Doctoral portions of the program.

2. The student must adhere to the following dissertation requirements:

1. Dissertation Format

1. In consultation with their advisor, the student has two options for the structure and associated content of the dissertation. These will be termed “traditional” and “multiple-projects”.
2. All dissertations will include a title page, acknowledgements, table of contents, references, and appendices as appropriate.
3. Minimum content and suggested structure for the specific categories of dissertations are outlined below.

1. Traditional Dissertation

1. This form of the dissertation is organized around one particular experiment. Specifically this should be an in-depth examination of a specific question/topic involving a single, comprehensive experiment.
2. The structure of this document will consist of a minimum of an abstract, bibliography and five chapters to include:
 - Introduction (background, statement of the problem(s), purpose of the study, hypotheses, limitations, delimitations)
 - Review of the Literature
 - Methods
 - Results
 - Discussion/Conclusion/Recommendations
Optional appendices, figures and tables are also to be included. The oral defense will be that of this single research experiment.

2. Multiple-Projects Dissertation

1. The form of the dissertation may be either 1) a linear progression of at least three topically developing research deliverables, or 2) a series of a minimum of three experiments designed around a theme or topical area of inquiry.
2. The exact structure of the document may vary based upon choice of linear or circular design. It is imperative that each experiment is of adequate scientific merit to stand on its own as an independent publication.

3. Packaging of the multiple-projects dissertation should include:

- Introduction (background, statement of the problem(s), hypotheses, limitations, delimitations)
- Experiment 1: Written in the format required by the target journal, which is typically Introduction, Methods, Results and Discussion/Summary/Conclusions.
- Experiment 2: Written in the format required by the target journal which is typically Introduction, Methods, Results and Discussion/Summary/Conclusions
- Experiment 3: Written in the format required by the target journal which is typically Introduction, Methods, Results and Discussion/Summary/Conclusions •
- Each “Experimental Section” should be preceded with an introduction to the project and/or bridge section that leads from one experiment to the next.
- Summary / Future Directions This example suggests three experiments; however additional experiments may be proposed and completed. The number of projects to be completed will be proposed by the student with final approval given from the doctoral advisor and dissertation committee. Optional appendices, figures and tables are also to be included. The oral defense will include the entire document, inclusive of all experiments conducted.

3. Outcomes include:

- Pass: student is recommended to the Graduate College for granting of the Ph.D. degree
 - Fail: student advised of status and that the oral defense will be repeated to provide an opportunity to correct errors, clarify nebulous areas and/or expand on superficial presentation of information or data.
 - At least four weeks (but no more than 8 weeks) must pass before scheduling a re-take of the oral defense. If a student fails the oral defense a second time, they will be separated from the program.
2. The student must submit and successfully defend his/her dissertation by the posted deadline. The defense must be advertised and is open to the public.
 3. The student must submit his/her approved, properly formatted dissertation to the Graduate College, and submit the approved electronic version to ProQuest by the posted deadline.

Doctor of Philosophy - Neuroscience

The mission of the Neuroscience Ph.D. program is to train graduate students to become independent neuroscientists who possess a broad, interdisciplinary foundation of knowledge in one or more specific areas of neuroscience. The program will enhance community well-being and achievement by providing a new opportunity for Nevada residents with undergraduate degrees in a wide range of fields to affordably and conveniently pursue doctoral-level neuroscience training through coursework and mentored

research. Students will learn highly advanced material and technical skills and apply these skills in their own research.

Participating Departments

Biology – College of Sciences

Brain Health – School of Integrated Health Sciences

Psychology – College of Liberal Arts

Plan Description

The UNLV Neuroscience Ph.D. program trains graduate students to become independent neuroscientists who possess a broad, interdisciplinary foundation of knowledge in one or more specific areas of neuroscience. This research-intensive program will prepare students to pursue post-doctoral research and independent research careers in neuroscience. Coursework and mentored research teach students to understand the existing neuroscience literature, generate new knowledge, and attract funding to support their research in preparation for careers in academic, medical, government, or private industry settings. Students are welcome to engage in collaborations with multiple laboratories at UNLV and other institutions. The program welcomes students from diverse backgrounds and those with diversity-related research interests.

For more information about your program, including your graduate program handbook and learning outcomes, please visit the Degree Directory.

Plan Admission Requirements

Application deadlines

Applications available on the UNLV Graduate College website.

The program will only admit students who are seeking a doctoral degree. The program will admit students for matriculation in the fall semester. Review of completed applications will continue until all positions are filled. Applicants are encouraged to submit their materials as early as possible.

1. A bachelor's degree from a regionally accredited institution with a minimum GPA of 3.00 (A = 4.00) or a master's degree or equivalent from a regionally accredited institution with a minimum GPA of 3.50. Applicants must have completed at least 18 hours in biological or health sciences, cognitive science, neuroscience, or psychology courses including Statistics and Research Methods or their equivalents, at the undergraduate or the graduate level.
2. Satisfactory scores on the Verbal and Quantitative sections of the Graduate Record Examination (GRE), taken within the last 5 years.
3. Three letters of recommendation.
4. A statement of purpose written by the applicant.
5. Admission to the program will be based on a

mentoring model.

6. Students under serious consideration for admission to the Neuroscience Ph.D. are required to have an in-person interview with the sponsoring faculty member and at least two other program faculty members. If an in-person is not financially or pragmatically feasible, a telephone or web interview may be substituted.

All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

See SubPlan Requirements below.

Subplan 1: Post-Bachelor's Track

Subplan 2: Post-Master's Track

Subplan 1: Post-Bachelor's Track

Total Credits Required: 62

Course Requirements

Required Courses - Credits: 14

- PSY 719 - Cellular and Molecular Neuroscience
- PSY 720 - Systems and Cognitive Neuroscience
- BIOL 701 - Ethics in Scientific Research

Complete the following course each semester during the first two years of study for a total of 6 credits:

NEUS 711 - Proseminar in Neuroscience

Statistics Course - Credits: 3

Complete one of the following courses or other advisor approved courses:

- BIOL 636 - Biometry
- KIN 751 - Selected Application of Statistical Techniques I
- KIN 752 - Selected Application of Statistical Techniques II
- PSY 708 - Statistics for Psychologists I
- PSY 709 - Statistics for Psychologists II

Elective Courses - Credits: 21

- NEUS 721 - Seminar in Neuroscience
- NEUS 799 - Independent Study

Qualifying Activity - Credits: 6

- NEUS 781 - Dissertation

Dissertation - Credits: 18

- NEUS 781 - Dissertation

Subplan 2: Post-Master's Track

Total Credits Required: 42

Course Requirements

Required Course - Credits: 6

- NEUS 711 - Proseminar in Neuroscience

Complete the following course each semester during the first two years of study for a total of 6 credits:

Elective Courses - Credits: 12

- NEUS 721 - Seminar in Neuroscience
- NEUS 799 - Independent Study

Qualifying Activity - Credits: 6

- NEUS 780 - Qualifying Activity

Dissertation - Credits: 18

- NEUS 781 - Dissertation

Degree Requirements

A minimum of 62 credits (or 42 for post-masters students) in graduate coursework is required for the doctoral degree.

Students must obtain a grade of B- or better in each course taken for that course to count toward the degree. One grade below a B- (i.e. C+ or lower) will result in probation. Once on probation for receiving a grade below a B-, a second grade (in the same or different classes) below a B-, will result in immediate separation from the program. If a student re-takes a course in which s/he received a grade lower than a B- (i.e., C+ or lower) and earns a B- or better, s/he will be removed from probation. A student may only be on academic probation twice during their graduate career; a third probation will result in separation from the program. No student shall be allowed more than two simultaneous grades of incomplete, except in the case of a documented and approved medical leave.

Students must conform to all policies of the UNLV Graduate College, as stated in the UNLV Graduate Catalog, those stated in the UNLV Neuroscience Doctoral Program Student Handbook, the Belmont Report: Ethical Principles and Guidelines for the Protection of Human Subjects of Research, and the Public Health Service Policy on Humane Care and Use of Laboratory Animals.

Students must take a minimum of four semesters of dissertation, which can include summers. The dissertation must be orally proposed and defended.

Plan Graduation Requirements

The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her Degree Requirements for the program.

Doctoral students are required to complete a minimum of 12 credits of dissertation credits: NEUR 781 – Dissertation, write an original dissertation of substantial quality and length

on a neuroscience topic, and successfully defend this work in front of the student's Graduate Advisory Committee.

Students must work with their Graduate Advisory Committee to ensure quality research, analysis and writing of the comprehensive exams and dissertation.

Satisfactory performance on an oral defense of the dissertation prospectus to be held after the successful completion of all course work and the four comprehensive examinations is required. The oral defense will cover the student's dissertation proposal and any deficiencies on the comprehensive exams or in the student's program of study. Upon successful completion of the oral defense of the dissertation prospectus, the student may advance to candidacy and enroll in dissertation credits.

Upon completion of the dissertation, a final oral defense will be held in front of the student's Graduate Advisory Committee.

Committee members must unanimously pass the student on her or his oral defense for the Ph.D. to be conferred.

The student must submit and successfully defend his/her dissertation by the posted deadline. The defense must be advertised and is open to the public.

After the dissertation defense, the student must electronically submit a properly formatted pdf copy of their dissertation to the Graduate College for format check. Once the dissertation format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for dissertation defenses, format check submissions, and the final ProQuest submission can be found here.

Interdisciplinary Programs Courses

CSEC 600 - Introduction to Cybersecurity Technologies Credits 3

Explores concepts and technological principles of the computer, computing devices, telecommunications devices, and other related technology required to understand cybersecurity principles and concepts. Grading: Letter Grade Prerequisites: Admission into the MS Cybersecurity program or by consent of the Cybersecurity Director.

CSEC 700 - Security Operations Credits 3

Baseline knowledge of the computer, operating systems, file systems and the basic technological infrastructure for Cybersecurity. Emphasis in coding and command line interface. Grading Letter Grade Prerequisites: Admission into the MS Cybersecurity program or by consent of the Cybersecurity Director.

CSEC 701 - Secure Communication Protocols Credits 3

Baseline knowledge of various security protocols used in the cybersecurity industry. Focus on employment of various security protocols. Grading: Letter Grade Prerequisites: Admission into the MS Cybersecurity program or by consent of the Cybersecurity Director

CSEC 702 - Security Data Analytics Credits 3

Investigates the use of data analytics in cybersecurity, exploring the predictive and fast reacting security features capabilities it promotes. Focus on capabilities to identify threats and risks, automate security response, and prevent cybersecurity incidents. Specific topics may include cybersecurity data mining, log

management, machine learning, AI, and big data architecture. Grading: Letter Grade Prerequisites: Complete CSEC 701. Admission into the MS Cybersecurity program or by consent of the Cybersecurity Director.

CSEC 703 - Cyber Physical Systems Security Credits 3
Explores the relation between cybersecurity and physical systems. Analysis of the security requirements and risks of technologies, such as: Industrial Control Systems, Autonomous Vehicles, Internet of Things (IOT), SMART TV, Supervisory control and data acquisition (SCADA), Trusted Platform Module (TPM), and other embedded systems. Grading: Letter Grade Prerequisites: Completed CSEC 701. Admission into the MS Cybersecurity program or by consent of the Cybersecurity Director

CSEC 704 - Human Factors in Cybersecurity Credits 3
Emphasis on the effects of human behavior on cybersecurity from both the psychological and physiological aspects. Develops understanding of insider threat prevention, data loss prevention (DLP) methods, log analysis, and the use of awareness training to reduce risk. Grading: Letter Grade Prerequisites: Admission into the MS Cybersecurity program or by consent of the Cybersecurity Director

CSEC 705 - Enterprise Security Administration Credits 3
Examines corporate governance of cybersecurity programs, and the knowledge and experience required to develop and manage an enterprise information security program. Areas include: information security management, information risk management and compliance, information security program development and management, and information security incident management. Grading: Letter Grade Prerequisites: Admission into the MS Cybersecurity program or by consent of the Cybersecurity Director

CSEC 721 - Modern Cryptography Credits 3
Explores core principles of modern cryptography. Focus on private-key cryptography, extensive treatment of private-key encryption, message authentication codes, and hash functions, including: RC4, DES, and AES. Investigation of provable constructions of stream ciphers and block ciphers from lower-level primitives, public-key cryptography, basic number theory, and major standardized public-key encryption schemes. Grading: Letter Grade Prerequisites: Admission into MS Cybersecurity program or by consent of the Cybersecurity Director

CSEC 722 - Trusted Software Systems Credits 3
The process and the practice of assessing a computer system's existing information security posture. Detailing the time-tested practices of experienced security architects; how to deliver the right security at the right time in the implementation lifecycle. Includes secure coding practices and methods, code review, and malware analysis. Grading: Letter Grade Prerequisites: Admission into MS Cybersecurity program or consent of the Cybersecurity Director

CSEC 723 - Cybercrime and Cyberterrorism Credits 3
Overview of cybercrime that individuals, businesses, and governments face today. Exposes critical issues related to privacy, terrorism, hacktivism, the dark web, and much more. Focusing on the past, present, and future impact of cybercrime, it details how criminal justice professionals can be prepared to confront the changing nature of cybercrime. Grading: Letter Grade Prerequisites: Admission into the MS Cybersecurity program or by consent of the Cybersecurity Director

CSEC 724 - IT Forensics and Incident Response Credits 3
Examines trending topics in digital forensics and incident response. Areas include: cyber and digital forensic law, incident response process, and digital forensic investigations. Open-source tools are utilized for basic digital forensic analysis on

volatile data, system memory, and hard drive operating system images. Grading: Letter Grade Prerequisites: Complete CSEC 701. Admission into the MS Cybersecurity program or by consent of the Cybersecurity Director

CSEC 725 - Web Security Credits 3
Explains modern cyber defense with a thorough understanding of web technologies and web application security issues. Covers web fundamentals and security methods. Addresses vulnerabilities, attacks, defenses and threats in the web environment. OWASP concepts are heavily emphasized for instruction. Learn web hacking methods and tools, and conduct web penetration testing. Grading: Letter Grade Prerequisites: Admission in the MS Cybersecurity program or by permission of the Director MS Cybersecurity program

CSEC 735 - Information Warfare Credits 3
Explores the history of cyberwarfare, techniques used in both offensive and defensive information warfare, and how cyberwarfare is shaping military doctrine. Combines accessible explanations with realistic experiences and case studies that make cyberwar evident and understandable. Grading: Letter Grade Prerequisites: Admission into the MS Cybersecurity program or by consent of the Cybersecurity Director

CSEC 770 - Special Topics in Cybersecurity Credits 3
Advanced or specialized study in a special topic or subject area in cybersecurity. Notes: May be repeated a maximum of 9 credits. Grading: Letter Grade Prerequisites: Admission into the MS Cybersecurity program or by consent of the Cybersecurity Director

CSEC 780 - Internship Credits 1-3
Supervised practical experience with a participating enterprise or government agency, culminating in a written report. Notes: May be repeated a maximum of 6 credits. Grading: Letter Grade Prerequisites: Admission into the MS Cybersecurity program or by consent of the Cybersecurity Director

CSEC 781 - Independent Study Credits 3
Independent study under the direction of a faculty advisor of a topic in cybersecurity. Notes: May be repeated a Maximum of 6 credits. Grading: Letter Grade Prerequisites: By consent of the Cybersecurity Director

CSEC 790 - Cybersecurity Capstone Credits 3
Culminating experience under advisor direction. Enables the demonstration of program concepts and learning objectives into a final project, competition, or paper. Notes: May be repeated a maximum of 9 credits. Grading: Letter Grade Prerequisites: Completion of at least 12 CSEC credits. Admission into MS Cybersecurity program or consent of the Cybersecurity Director

HSC 700 - Selected Application of Statistical Techniques I Credits 3
Explores descriptive and inferential statistical procedures utilized in studies reported in exercise science, health, physical education, and recreation. Same as: KIN 751 Grading: Letter grade

HSC 701 - Interdisciplinary Team Science Credits 3
This course explains the basic components of team science and the types of problems appropriate for interdisciplinary teams. Included in the course are the core components of team science, assembling an interdisciplinary team, working effectively with interdisciplinary team members, and evaluating team performance. Same as: NURS 748 Grading: Letter grade

HSC 702 - Translational Research Design Credits 3
Clinical and translational research concepts and design elements in the context of interdisciplinary health care with an emphasis on contemporary issues and best practice approaches.

HSC 703 - Interdisciplinary Grant Writing for Health Sciences Credits 3

This course involves preparing and writing an interdisciplinary grant proposal for health sciences. Students from different health science disciplines will work together to develop an innovative and significant grant proposal. Prerequisites: Graduate-level research course that covers the research process (research problem, literature review, methods, and statistical/data analysis).

HSC 704 - Selected Applications in Statistics 2 Credits 3

This course is designed to provide students with the statistical tools necessary for analyzing data from experimental designs such as those found in the Health Sciences and related disciplines. This course is intended to be taken following the introductory statistics course, KIN 751. Prerequisites: KIN 751

HSC 705 - Clinical Trial Design And Analysis Credits 3

Comprehensive and in depth review of the principles and methodologies utilized in designing and conducting clinical trials in health care research. Statistical principles specific to clinical trial design and data analyses will also be covered. Prerequisites: HSC 704

HSC 706 - Health Science Writing and Communication Credits 3

Learn and apply communication techniques for oral and poster presentations, scientific articles, white papers, and lay summaries. Same as: KIN 754 Grading: Letter grade Prerequisites: KIN 750 or Admission to the IHS program

HSC 710 - Seminar Credits 1

Preparation and presentation of seminars on topics of current interest in healthcare research. Notes: May be repeated to a maximum of three credits.

HSC 787 - Special Problems in Interdisciplinary Health Sciences Credits 1 - 6

Specialized instruction and/or research designed to develop depth in understanding a contemporary problem or issue in the health sciences. Notes: May be repeated to a maximum of six credits. Grading: S/F grading only Prerequisites: Permission of instructor

HSC 788 - Independent Study in Interdisciplinary Health Sciences Credits 1 - 9

Independent study of a selected topic in Interdisciplinary Health Sciences. Notes: May be repeated to a maximum of nine credits. Grading: S/F grading only Prerequisites: Permission of instructor

HSC 789 - Dissertation Prospectus Credits 3

Review of salient literature, conduct appropriate research and complete writing required for the development and defense of the dissertation prospectus. Grading: S/F grading only Prerequisites: Permission of instructor

HSC 799 - Doctoral Dissertation Credits 1-12

Culminating research project(s) and writing toward completion of doctoral study and subsequent defense of work completed.

NEUS 711 - Proseminar in Neuroscience Credits 3

Weekly forum focused on professional issues and interdisciplinary research in neuroscience. Notes: May be repeated to a maximum of 6 credits. Grading: Letter Grade Prerequisites: Admitted Neuroscience PhD students only and consent of instructor.

NEUS 721 - Seminar in Neuroscience Credits 3

Analysis of theoretical concepts and research pertinent to neuroscience. Notes: May be repeated up to 18 credits. Grading: Letter Grade. Prerequisites: Consent of instructor

NEUS 780 - Qualifying Activity Credits 6

Neuroscience research, analysis, and writing towards completion of qualifying requirements. Grading: S/F Prerequisites: Admitted Neuroscience PhD students only and consent of instructor.

NEUS 781 - Dissertation Credits 3-9

Research analysis and writing towards completion of dissertation and subsequent defense. Notes: May be repeated up to 18 credits. Grading: Thesis Dissertation X

NEUS 799 - Independent Study Credits 1-9

Individual study or projects in neuroscience or related fields under the direction of a faculty member. Notes: May be repeated. Grading: Letter Grade. Prerequisites: Admitted Neuroscience PhD students only and consent of instructor.