

College: **College of Sciences**
 Department: **Geoscience Department**

Requirements for entering terms: **Fall 2015 - Spring 2016**
 Catalog Expires (10 yrs): **August 2026**
 Graduation: **Spring 2019 - Fall 2019**



	Credit Range	
	Min	Max
General Education:	33	42
Mathematics	39	51
Related:	15	18
Electives:	33	11
Total Credits:	120	122



University of Nevada, Las Vegas (UNLV)
Mathematics Department
 Central Desert Complex # 8 (CDC-801)
 702-895-3567
<http://www.unlv.edu/math>

General Education

Course	Min	Max	Course	Min	Max
First Year Seminar	2	3	Social Science Field 1	3	3
Second Year Seminar	3	3	Social Science Field 2	3	3
ENG 101 English Composition I	3	3	Social Science Field 3	3	3
ENG 102 English Composition II	3	3	Multicultural**	0	3
HIST 100 or PSC 101 US/NV Constitution	4	6	International**	0	3
Humanities Field 1	3	3	Milestone Experience	0	0
Humanities Field 2	3	3	Culminating Experience	0	0
Fine Arts	3	3			

Mathematics

MATH181 Calculus I	4	4	Choose 12 additional credits from		
MATH 182 Calculus II	4	4	400-level MATH or STAT courses	12	12
MATH 251 Discrete Mathematics I	3	3	The program of study must include two one-year	0	12
MATH 283 Intermediate Calculus	4	4	400-level MATH or STAT sequences		
EITHER MATH 330 Linear Algebra OR MATH 365 Computational Linear Algebra	3	3	<i>Every student will be encouraged to take the GRE Advanced Test in Mathematics</i>		
MATH 427 Differential Equations I	3	3			
MATH 453 Abstract Algebra I	3	3			
MATH 457 Introduction to Real Analysis I	3	3			

Related

Select five credits from the following: BIOL courses numbered 189 and above; CHEM courses numbered 121 and above except CHEM 201, 203; GEOL courses numbered 220 and above; GEOG courses numbered 300 and above; PHYS courses numbered 181 and above; CEE courses numbered 241 and above; CS courses numbered 218 and above; CpE courses numbered 300 and above; EE courses numbered 220 and above; ME courses numbered 242 and above.	5	5	Choose one of the following: STAT 152 - Introduction to Statistics OR STAT 411 - Statistical Methods I AND STAT 412 - Statistical Methods II OR STAT 491 - Statistics for Scientists I AND STAT 492 - Statistics for Scientists II	3	6
			*PHYS 180 & 180L Engineering Physics I	4	4
			CS 117 Prog for Sci/Eng OR CS 135 Comp Sci I	3	3

Electives

Of the 120 credits required for graduation, 80 or more must be in courses offered by the College of Sciences and/or the College of Engineering

Upper Division Credits in the Major (300 or 400 level):	24	42	General Electives	7	1
Upper Division Credits Required for the Degree:	40	40	Science/Engineering electives to reach 80	10	10
Upper Division Credits Electives in Sci & Eng to reach 40 credits	16	0	<i>Number of Electives depends on other course choices</i>		

Notes

*MATH 181 is the prerequisite for PHYS 181

University/Dept Requirements

A minimum of six (6) credits are required, to be composed of a three-credit **multicultural course and a three-credit **international** course that may simultaneously fulfill other general education requirements (General Education Requirements are Italized). A single course may not simultaneously meet both the multicultural and international requirements. Discuss with your Academic Advisor!

Resident Credit: A candidate for the baccalaureate degree must complete the last 30 UNLV semester credits in uninterrupted resident credit as a declared major in the degree-granting college. A student must declare a major prior to enrolling in their last 30 UNLV resident credits. (Special examination, physical education activity courses, or Distance/online credits are exempted.)

Minimum Credits for Graduation: The minimum number of semester credits required for a bachelor's degree for a student graduating under the regulations of the 2012 - 2014 Undergraduate Catalog is 120. At least half of the credits required for a baccalaureate degree at the institution must be earned at a four-year institution.

Minimum University Grade Point Average for Graduation: In order to graduate, an undergraduate student must have a minimum cumulative grade point average of 2.00 for the total of all college-level credit attempted at the University of Nevada, Las Vegas (UNLV GPA). College and department GPA requirements must also be met.

BS MATHEMATICS, BA MATHEMATICS, BS MATHEMATICS/ACTUARIAL SCIENCE

NSHE Transfers

Only credits transfer to UNLV from other institutions; grades do not transfer and do not affect GPA at UNLV (this includes other Nevada institutions)

If you receive a passing grade at UNLV and you choose to retake the class, you must do so at UNLV, NOT at CCSN or other NSHE institutions; if you fail a class at UNLV, you may retake the class at CSN or other NSHE institutions.

BIOL 251G (Honors Microbiology) from CSN may fill a requirement for BIOL 351 (BS Biology) at UNLV.

Credit Load

12 semester credits are in many cases the minimum full-time undergraduate credit load required for full time financial aid. However, the university expects students to enroll in 15 credits per semester so the degree can be finished within 4 years. The maximum credits allowed during a regular semester are 17 for freshmen level and 18 for sophomore, junior, and senior levels. Freshmen may not petition for overload. Higher level students may petition only if they have a GPA 3.0 or higher.

Student Responsibility for Their Degree

Students are responsible for knowing and meeting the requirements for graduation. Academic Advisors are available to answer questions that students might have concerning their degree requirements. Students with majors in the College of Sciences are expected to read and understand the following documents.

The UNLV on-line catalog can be located at <http://www.unlv.edu/academics/catalogs>

The students' individualized Degree Audit Report can be found by logging in to MyUNLV.