

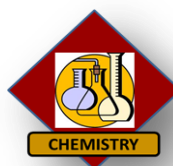
College: **College of Sciences**
 Department: **Chemistry Department**

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



Take 15 credits per semester to graduate in 4 years

	Credits
1st Year:	30
2nd Year:	31
3rd Year:	29
4th Year:	30
Total:	120



University of Nevada, Las Vegas (UNLV)
Chemistry Department
 Chemistry Building (CHE-106)
 702-895-3510
www.unlv.edu/chemistry

1st Year	First Semester		Second Semester	
	Course	Credits	Course	Credits
	→ ENG 101 English Composition I	3	→ ENG 102 Composition II	3
	→ MATH181 Calculus I*	4	→ MATH 182 Calculus II	4
	Choose First Year Seminar (SCI-101 recommended)	2	→ CHEM122/122L General Chemistry II	4
	→ CHEM121/121L General Chemistry	4	Choose Humanities Field 1**	3
	Choose Social Science Field 1**	3		
	Total First Semester:	16	Total Second Semester:	14
2nd Year	Third Semester		Fourth Semester	
	Course	Credits	Course	Credits
	→ CHEM241 Organic Chemistry I	3	→ CHEM 242 Organic Chemistry II	3
	→ CHEM347 Lab. Techniques of Organic Chemistry I	1	→ CHEM 348 Lab. Techniques of Organic Chemistry II	2
	BIOL 196 Modern Biology I	4	BIOL 197 Modern Biology II	4
	Choose Second Year Seminar	3	Choose Humanities Field 2**	3
	→ PHYS 151 General Physics I***	4	→ PHYS 152 General Physics II***	4
	Total Third Semester:	15	Total Fourth Semester:	16
3rd Year	Fifth Semester		Sixth Semester	
	Course	Credits	Course	Credits
	→ CHEM 355 Quantitative Analysis	3	→ CHEM 455 Instrumental Analysis	3
	→ CHEM 355L Quantitative Analysis Laboratory	2	→ CHEM 455L Instrumental Analysis Laboratory	2
	Choose Social Science Field 2**	3	Choose Social Science Field 3**	3
	→ CHEM 474 Biochemistry I	3	→ CHEM 475 Biochemistry II	3
	→ Choose Upper Division Biology****	3	HIST 100 or PSC 101 US NV Constitution	4
	Total Fifth Semester:	14	Total Sixth Semester:	15
4th Year	Seventh Semester		Eighth Semester	
	Course	Credits	Course	Credits
	→ CHEM 472 Biochemistry Laboratory	2	→ Choose Upper Division Chemistry	5
	→ CHEM 476 Advanced Topics in Biochemistry	3	→ Choose Upper Division Biology***	4
	→ BIOL 300 Genetics	4	→ CHEM 422 Physical Chemistry II	3
	→ CHEM 421 Physical Chemistry I	3	Choose Fine Arts**	3
	→ Choose Upper Division Biology****	3		
	Total Seventh Semester:	15	Total Eighth Semester:	15

Notes

→ course has a prerequisite--see reverse side for course sequences or go to the UNLV online catalog at <http://catalog.unlv.edu/>

*Student who place below MATH 181 should enroll in math during summer terms

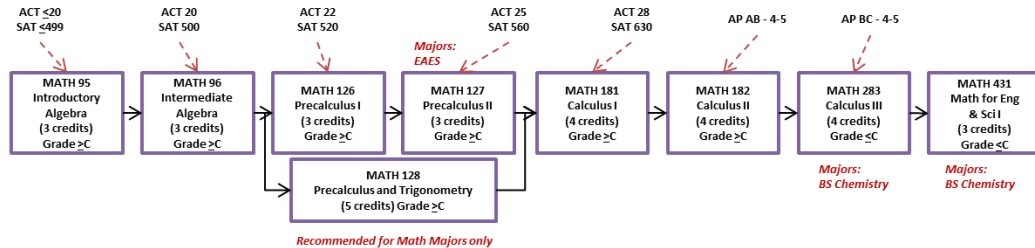
**Additionally, a minimum of six (6) credits are required, to be composed of a three-credit multicultural course and a three-credit international course that may simultaneously fulfill other general education requirements (General Education Requirements are Italicized). A single course may not simultaneously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

***Can be replaced by three semester sequence PHY 180/180L, PHYS 181/181L, PHYS 182/182L. If you choose Engineering Physics instead of General Physics, total credits will increase to 124 and enrollment in a summer term may be required.

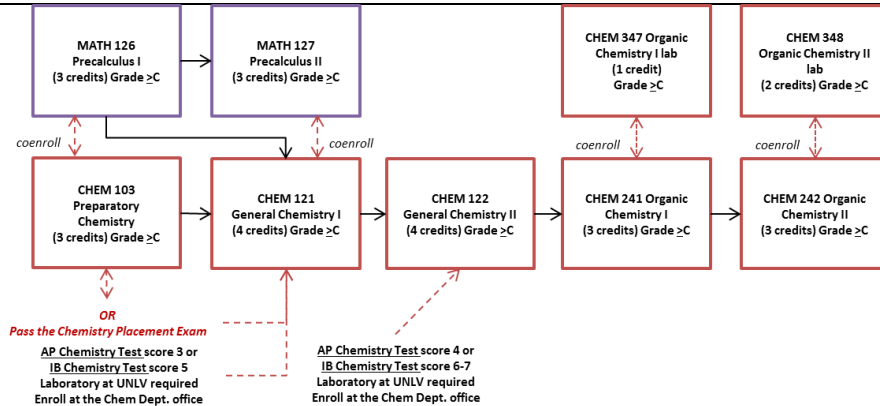
****Choose from: BIOL 351 Microbiology, BIOL 304 Molecular Genetics, BIOL 405 Molecular Biology, BIOL 409 Virology, BIOL 412 Molecular Evolution, BIOL 415 Evolution, BIOL 417 Biochemical Adaptations, BIOL 425 Genomics, BIOL 440 Mammalian Physiology, BIOL 442 Principles of Plant Physiology with Laboratory, BIOL 445 Cell Physiology, BIOL 447 Advanced Comparative Animal Physiology, BIOL 448 Mammalian Physiology Laboratory, BIOL 453 Immunology, BIOL 460 Microbial Physiology, BIOL 466 Developmental Biology, BIOL 468 Histology, BIOL 470 Topics in Applied Microbiology, BIOL 473 Advanced Topics in Cell and Molecular Biology, BIOL 475 Neurobiology, BIOL 480 Introduction to Biological Modeling, BIOL 481 Advanced Cell Biology, BIOL 485 Microbial Genetics, CHEM 478 Endocrinology.

LOWER DIVISION PREREQUISITE COURSE SEQUENCES FOR CHEMISTRY & BIOCHEMISTRY MAJORS

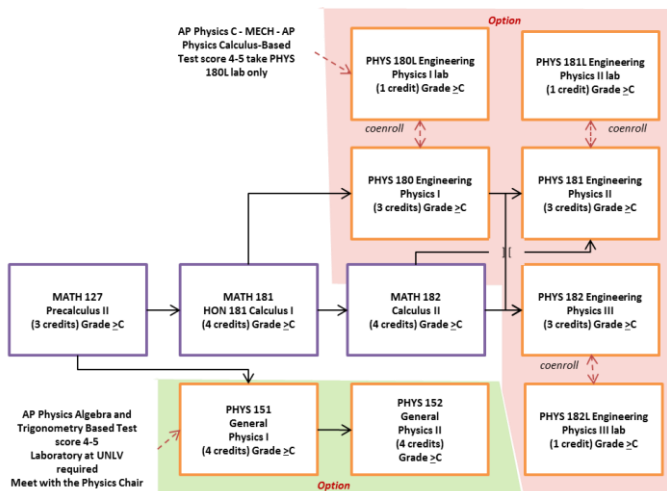
Lower Division Math Sequence



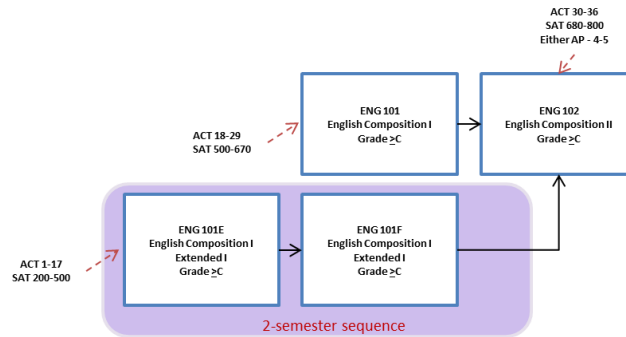
Lower Division Chemistry Sequence



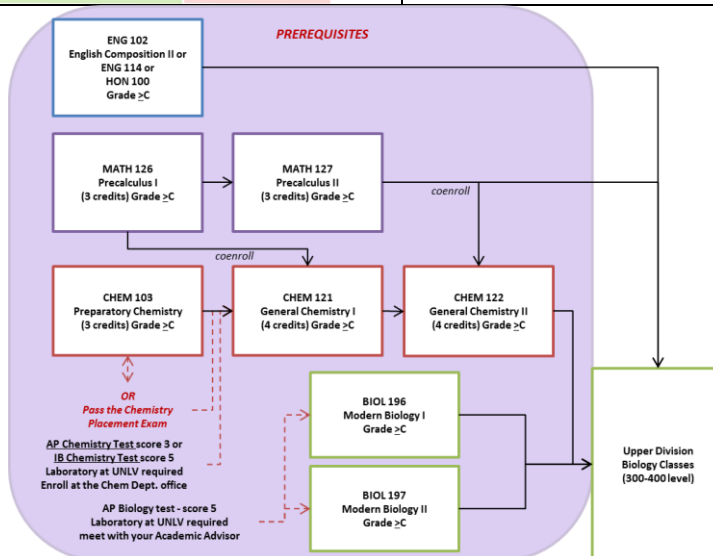
Lower Division Physics Sequences



Lower Division English Sequence



Lower Division Biology Sequence For Biochemistry Majors



Read the UNLV Catalog for Upper Division Course Prerequisites <http://catalog.unlv.edu/>