

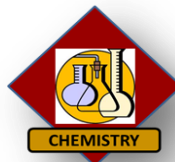
College: **College of Sciences**
 Department: **Chemistry Department**

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:	31
2nd Year:	30
3rd Year:	31
4th Year:	28
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	HIST 100 or PSC 101 US NV Constitution	4
	Choose Social Science Field 1**	3		
	Total First Semester:	16	Total Second Semester:	15
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
	→ PHYS 180 & 180L Engineering Physics I	4	→ PHYS 181 & 181L Engineering Physics II	4
	Choose Second Year Seminar	3	Choose Humanities Field 1**	3
	→ MATH 283 Calculus III	4	→ MATH 431 Math for Engineers & Scientists I	3
	Total Third Semester:	15	Total Fourth Semester:	15
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
	→ PHYS 182 & 182L Engineering Physics III	4	→ CHEM 422 Physical Chemistry II	3
	→ CHEM 421 Physical Chemistry I	3	→ CHEM 423 Physical Chemistry Laboratory	2
	Choose Social Science Field 2**	3	Choose Social Science Field 3**	3
		Choose Humanities Field 2**	3	
	Total Fifth Semester:	15	Total Sixth Semester:	16
4th Year	Seventh Semester		Eighth Semester	
	Course	Credits	Course	Credits
	→ CHEM 428 Quantum Chemistry	3	→ Choose 7 credits of chemistry****	7
	→ CHEM 431 Advanced Inorganic Chemistry	3	→ CHEM 494 Senior Research in Chemistry II	2
	→ CHEM 447 Advanced Synthesis Laboratory	2	→ Choose STAT 412 OR 492 if track chosen; 3 credits***	
	→ CHEM 474 Biochemistry I	3	Choose Fine Arts**	3
	→ CHEM 491 Senior Seminar in Chemistry	1		
	→ CHEM 493 Senior Research in Chemistry I	1		
	→ Choose STAT 152 OR STAT 411 OR STAT 491***	3		
	Total Seventh Semester:	16	Total Eighth Semester:	12

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

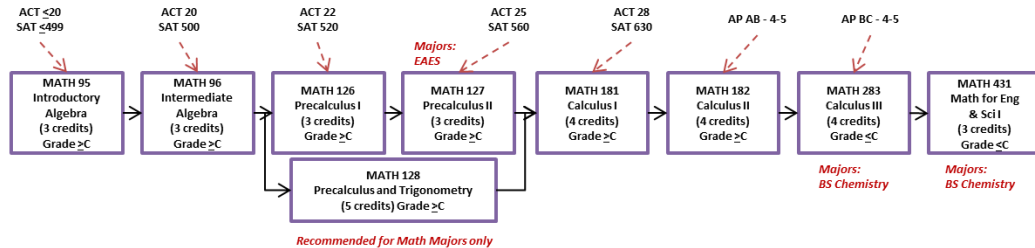
**A minimum of six (6) credits are required, to be composed of a three-credit multicultural course and a three-credit international course that may simultaneously fulfill other general education requirements (General Education Requirements are Italicized). A single course may not simultaneously meet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

***Choose: STAT 152 Introduction to Statistics, OR STAT 411 and STAT 412 Statistical Methods I and II, OR STAT 491 and STAT 492 Statistics for Scientists I and II; if STAT 152 chosen, add 3 credits of electives.

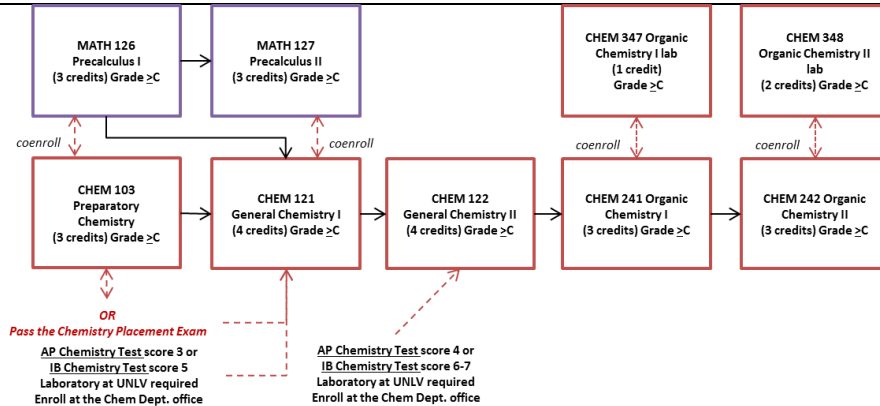
****Choose 7 credits from: CHEM 312, Introduction to Radiochemistry, CHEM 442 Advanced Organic Chemistry, CHEM 472 Biochemistry Laboratory, CHEM 475 Biochemistry II, CHEM 476 Advanced Topics in Biochemistry or CHEM 492 Advanced Topics in Chemistry

LOWER DIVISION PREREQUISITE COURSE SEQUENCES FOR CHEMISTRY & BIOCHEMISTRY MAJORS

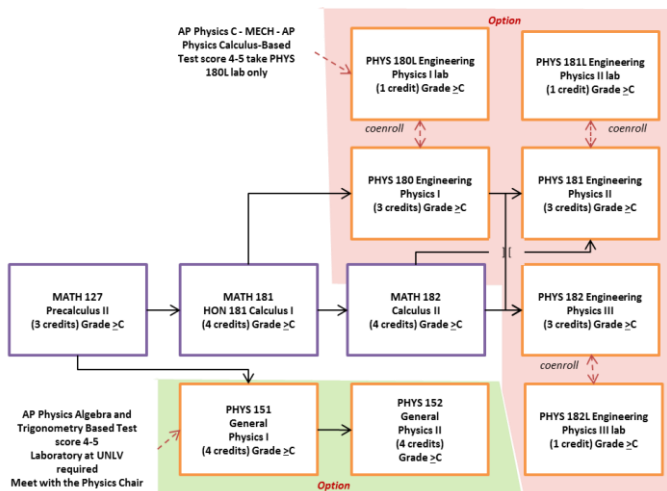
Lower Division Math Sequence



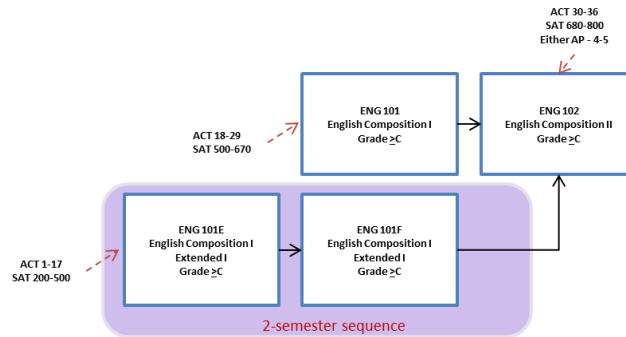
Lower Division Chemistry Sequence



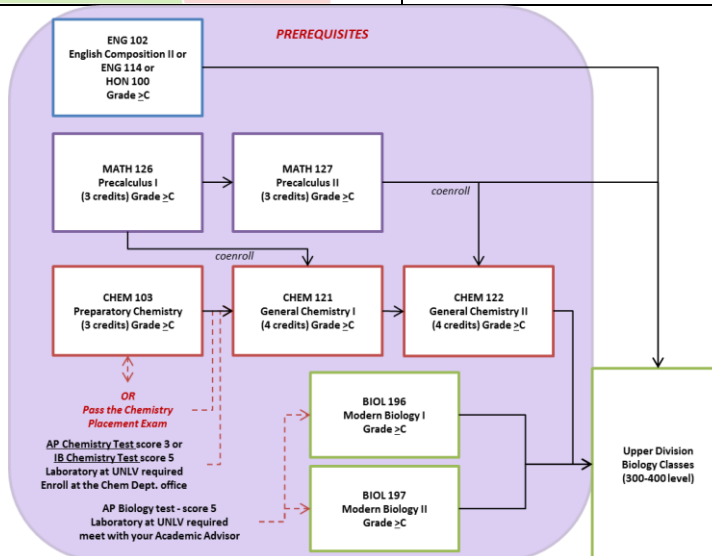
Lower Division Physics Sequences



Lower Division English Sequence



Lower Division Biology Sequence For Biochemistry Majors



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