

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

Requirements for entering terms: **Fall 2015 - Spring 2016**
 Catalog Expires (10 yrs): **August 2026**
 Graduation: **Spring 2018 - Fall 2019**



Take 15 credits per semester to graduate in 4 years

	Credits
1st Year:	31
2nd Year:	29
3rd Year:	32
4th Year:	28
Total:	120



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

	First Semester		Second Semester	
	Course	Credits	Course	Credits
1st Year	→ ENG 101 English Composition I [placement required]	3	→ ENG 102 Composition II	3
	→ MATH181 Calculus I* [placement required]	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
	Third Semester		Fourth Semester	
	Course	Credits	Course	Credits
2nd Year	→ CHEM 241 Organic Chemistry I lecture	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 151 General Physics I	4	→ PHYS 152 General Physics II	4
	Choose Second Year Seminar	3	Choose Humanities Field 1**	3
	Elective	3	→ CS 117 Programming for Sci & Engr OR CS 135 Computer Science I	3
	Total Third Semester:	14	Total Third Semester:	15
	Fifth Semester		Sixth Semester	
	Course	Credits	Course	Credits
3rd Year	→ CHEM 355 Quantitative Analysis	3	→ CHEM 455 Instrumental Analysis	3
	→ CHEM 355L Quantitative Analysis Laboratory	2	Choose Social Science Field 3**	3
	Elective	3	Choose Humanities Field 2**	3
	→ CHEM 421 Physical Chemistry I	3	→ Upper division elective	3
	Choose Social Science Field 2**	3	→ Upper division elective	3
	Elective	3		
	Total Fifth Semester:	17	Total Sixth Semester:	15
	Seventh Semester		Eighth Semester	
	Course	Credits	Course	Credits
4th Year	→ Upper division elective	3	→ Choose 9 credits of chemistry including adv lab***	9
	→ Upper division elective	2	Choose Fine Arts**	3
	Elective	3	Elective	2
	→ CHEM 474 Biochemistry I	3		
	→ CHEM 489 Senior Poster Seminar	3		
	Total Seventh Semester:	14	Total Eighth Semester:	14

Notes

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

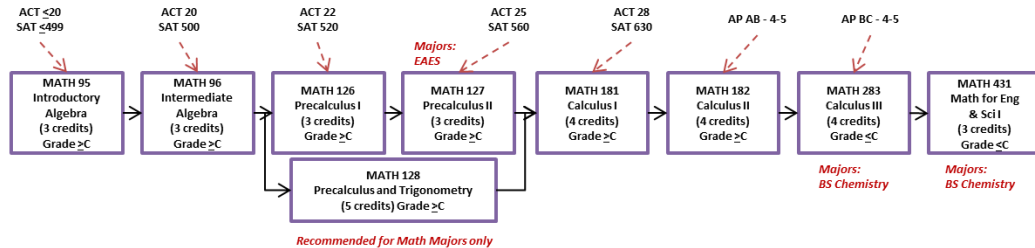
*Student who place below MATH 181 should enroll in math during summer terms

**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 Italized). A single course may not simultaneously meet both the multicultural and international requirements. Discuss with your Academic Advisor!

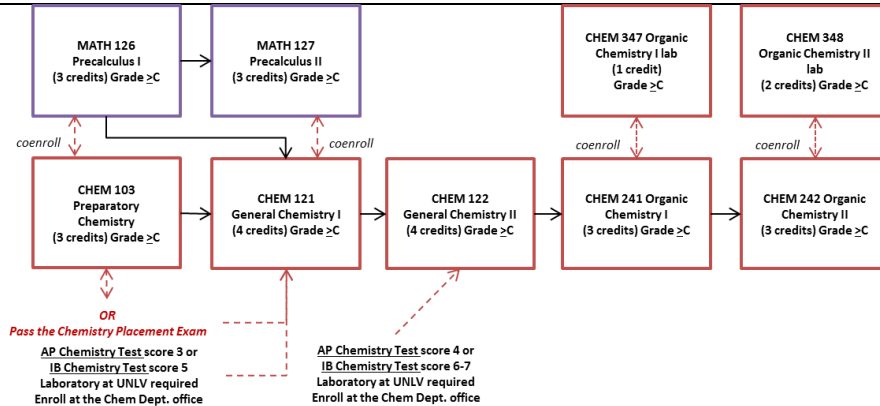
***Choose 9 credits of chemistry including at least 2 credits of advanced laboratory: CHEM 312 Introduction to Radiochemistry, CHEM 422 Physical Chemistry II, CHEM 423 Physical Chemistry Laboratory, CHEM 428 Quantum Chemistry, CHEM 431 Advanced Inorganic Chemistry, CHEM 442 Advanced Organic Chemistry, CHEM 447 Advanced Synthesis Laboratory, CHEM 455L Instrumental Analysis Laboratory, CHEM 472 Biochemistry Laboratory, CHEM 475 Biochemistry II, CHEM 490 Senior Independent Study in Chemistry, or CHEM 492 Advanced Topics in Chemistry

LOWER DIVISION PREREQUISITE COURSE SEQUENCES FOR CHEMISTRY & BIOCHEMISTRY MAJORS

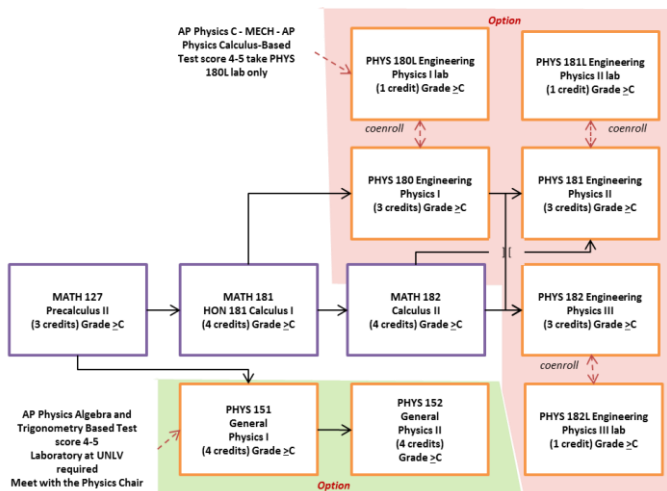
Lower Division Math Sequence



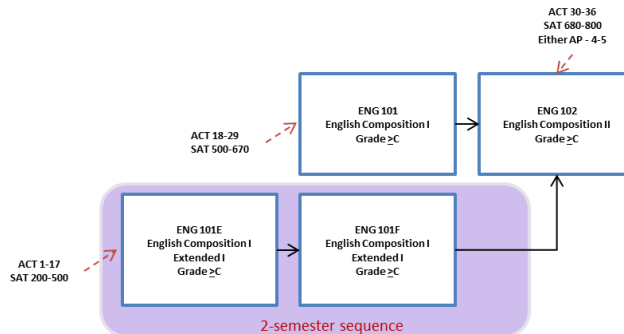
Lower Division Chemistry Sequence



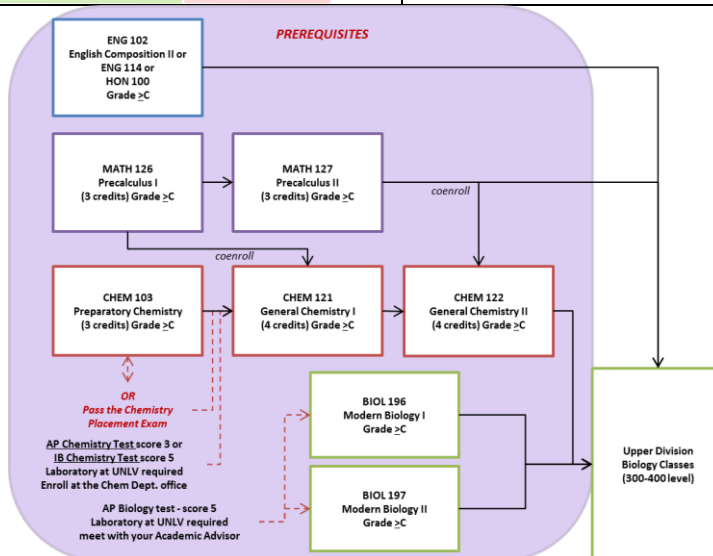
Lower Division Physics Sequences



Lower Division English Sequence



Lower Division Biology Sequence For Biochemistry Majors



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