



BS Chemistry in 4 Years 2016-2017

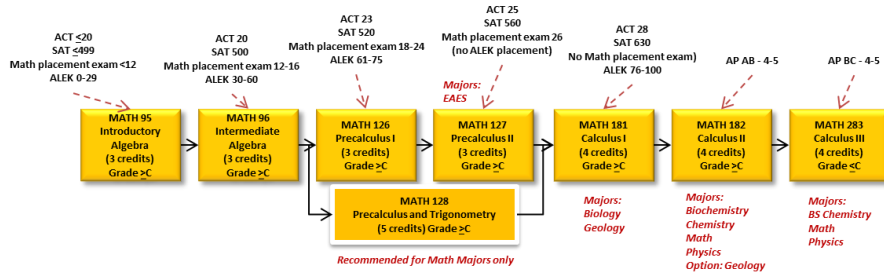
Department of Chemistry & Biochemistry

Catalog Year: Fall 2016 - 2017 ♦ Catalog Expires: Summer 2027 ♦ Graduation: Spring 2020

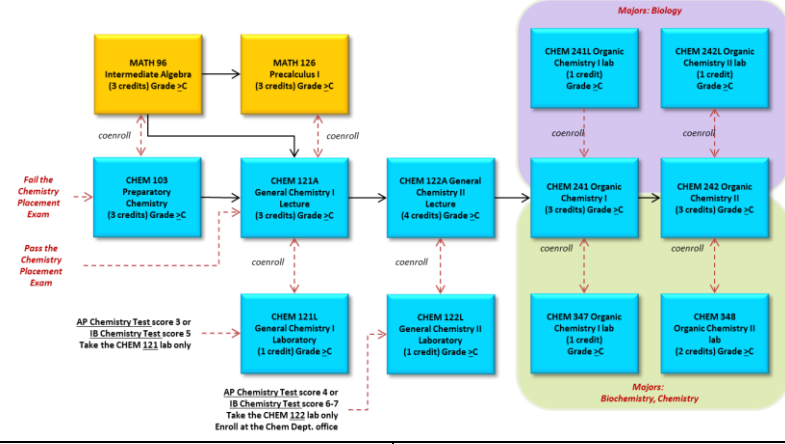
	First Semester		Second Semester	
	Course	Credits	Course	Credits
1st Year	→ ENG 101 English Composition I	3	→ ENG 102 Composition II	3
	→ MATH181 Calculus I*	4	→ MATH 182 Calculus II	4
	Choose First Year Seminar (SCI-101 recommended)	2	→ CHEM122A & 122L General Chemistry II	4
	→ CHEM121A & 121L General Chemistry I	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	Notes			
	→ course has a prerequisite--see reverse side for course sequences or go to the UNLV online catalog at http://catalog.unlv.edu/			
	ΔA 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. A single course may not simultaneously meet both the multicultural and international requirements. Discuss with your Academic Advisor!			
	German or Russian is strongly recommended. Fills one Humanities and the International Requirements			
	The minimum number of semester credits required for a bachelor's degree for a student graduating under the regulations of the 2016 - 2017 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.			
	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.			
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.				

LOWER DIVISION PREREQUISITE COURSE SEQUENCES FOR CHEMISTRY & BIOCHEMISTRY MAJORS

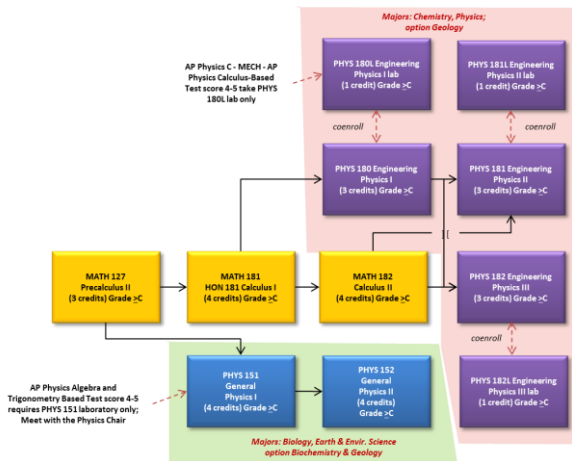
Lower Division Math Sequence



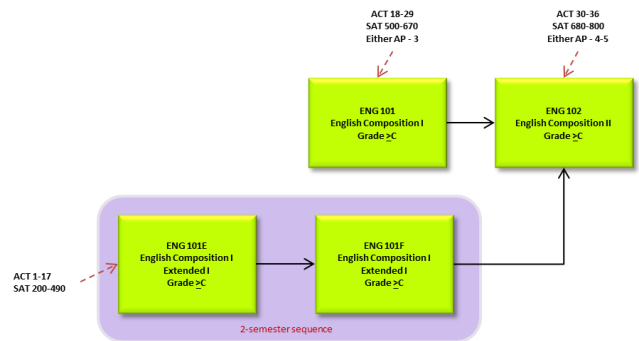
Lower Division Chemistry Sequence



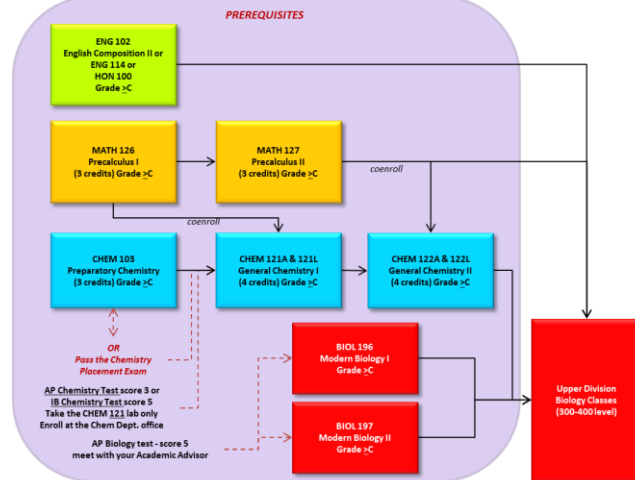
Lower Division Physics Sequences



Lower Division English Sequence



Lower Division Biology Sequence For Biochemistry Majors



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