



BS Biochemistry in 4 Years 2016-2017

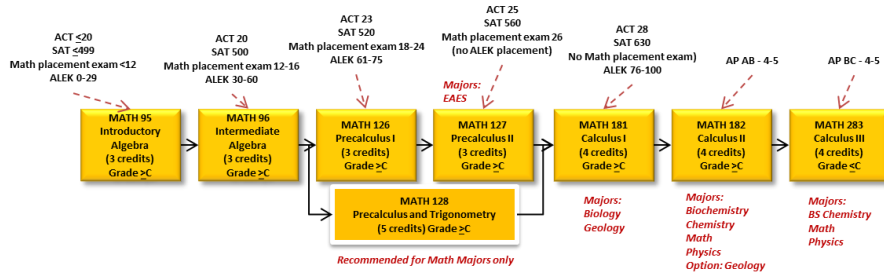
Department of Chemistry & Biochemistry

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

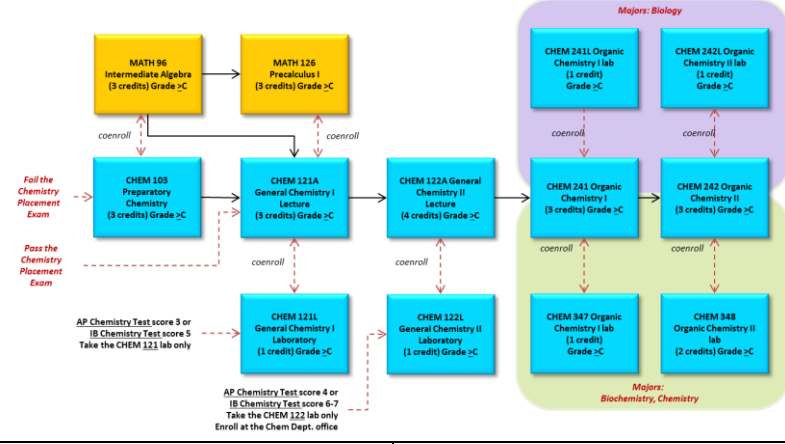
	First Semester		Second Semester	
	Course	Credits	Course	Credits
1st Year	→ ENG 101 English Composition I	3	→ ENG 102 Composition II	3
	→ MATH181 Calculus I*	4	→ MATH 182 Calculus II	4
	Choose First Year Seminar (SCI-101 recommended)	2	→ CHEM122A & 122L General Chemistry II	4
	→ CHEM121A & 121L General Chemistry I	4	Choose Humanities Field 1**	3
	Choose Social Science Field 1**	3		
	Total First Semester: 16		Total Second Semester: 14	
	Third Semester		Fourth Semester	
	Course	Credits	Course	Credits
2nd Year	→ 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 Third Semester: 16	
	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	→ 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	
	Seventh Semester		Eighth Semester	
	Course	Credits	Course	Credits
4th Year	→ 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				
Notes	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!			
	♦BIOL 304, 351, 405, 409, 412, 415, 417, 425, 440, 442, 445, 447, 448, 453, 460, 466, 468, 470, 473, 475, 480, 481, 485, CHEM 478			
	*The sequence PHYS 180 -180L, and PHYS 182 -182L is an acceptable replacement for PHYS 151, 152; any two course combination from PHYS 180, 181, and 182 is not an acceptable replacement			
	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

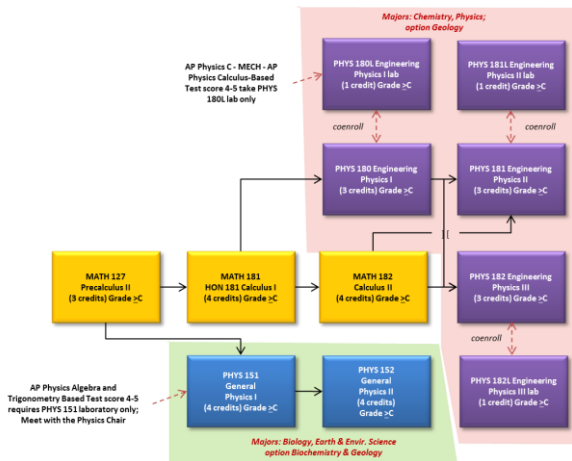
Lower Division Math Sequence



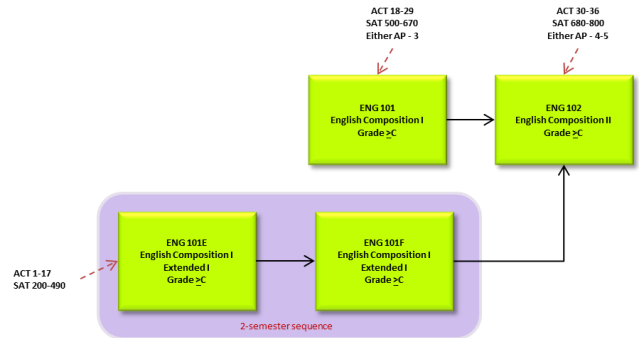
Lower Division Chemistry Sequence



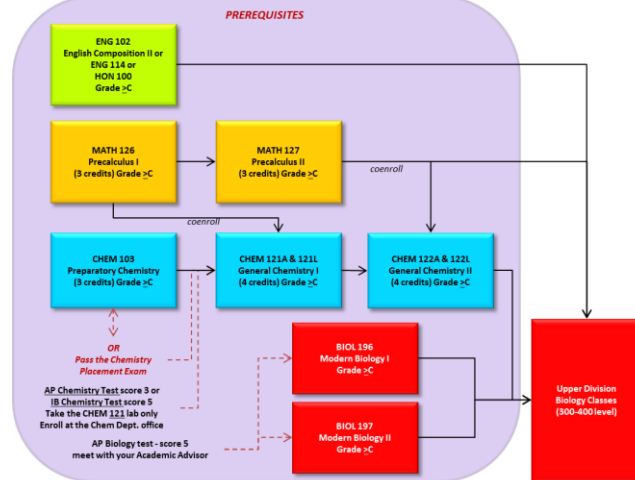
Lower Division Physics Sequences



Lower Division English Sequence



Lower Division Biology Sequence For Biochemistry Majors



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