



BS Physics in 4 Years w/Concentration in Applied Physics 2017-2018

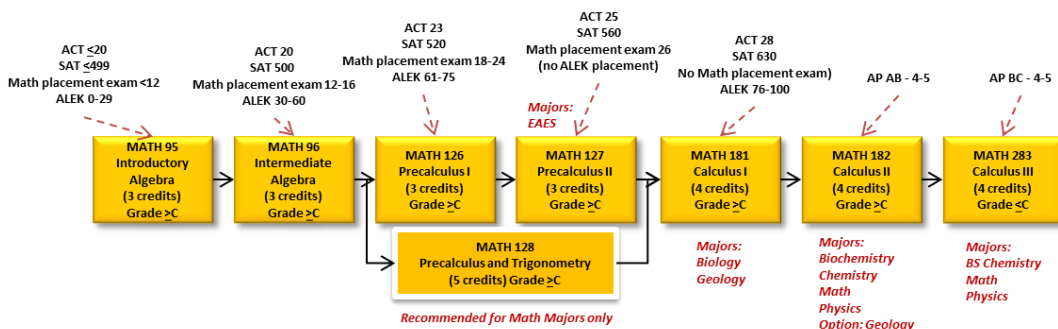
Department of Physics & Astronomy

Catalog Year: Fall 2017-2018 ♦ Catalog Expires: Summer 2028 ♦ Graduation: Spring 2021

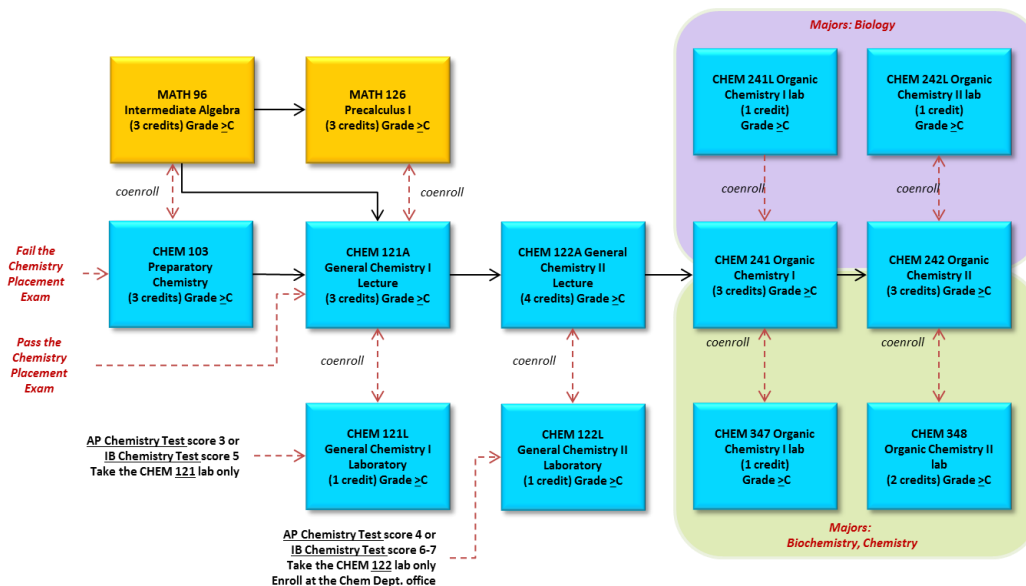
	First Semester		Second Semester	
	Course	Credits	Course	Credits
1st Year	→ ENG 101 English Composition I	3	→ ENG 102 Composition II	3
	→ MATH181 Calculus I*	4	→ MATH 182 Calculus II	4
	Choose First Year Seminar (SCI-101 recommended)	2	→ CHEM122/122L General Chemistry II	4
	→ CHEM121/121L General Chemistry	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	→ PHYS 180 Engineering Physics I	3	→ PHYS 181 Engineering Physics II	3
	→ PHYS 180L Engineering Physics I lab	1	→ PHYS 181 Engineering Physics II lab	1
	→ MATH 283 Calculus III	4	→ PHYS 182 Engineering Physics III	3
	Choose Second Year Seminar	3	→ PHYS 182L Engineering Physics III lab	1
	Science, Mathematics, Computer Science or Engineering 100-400 level	4	Choose Humanities Field 1	3
	Total Third Semester:	15	Science, Mathematics, Computer Science or Engineering 100-400 level	3
	Fifth Semester		Sixth Semester	
	Course	Credits	Course	Credits
3rd Year	→ PHYS 411 Modern Physics I	3	→ PHYS 413 Intermediate Lab I	3
	→ PHYS 421 Electricity & Magnetism I	3	Choose Social Science Field 3	3
	→ PHYS 423 Mechanics I	3	Upper Division Electives 300-400 level	3
	Science, Mathematics, Computer Science or Engineering 100-400 level	3	Science, Mathematics, Computer Science or Engineering 100-400 level	3
	Choose Social Science Field 2	3	Choose Humanities Field 2	3
	Total Fifth Semester:	15	Total Sixth Semester:	15
	Seventh Semester		Eighth Semester	
	Course	Credits	Course	Credits
4th Year	→ Upper Division Electives	4	→ PHYS 493 Special Problems (1-3 credits)	3
	→ Upper Division Electives	3	→ Science, Mathematics, Computer Science or Engineering 300-400 level	3
	→ Science, Mathematics, Computer Science or Engineering 300-400 level	3	→ Choose Upper Division Physics course 300-400 level	3
	→ Choose Upper Division Physics course 300-400 level	3	Choose Fine Arts	3
			General Elective 100-400 level	2
	Total Seventh Semester:	13	→ Upper Division Electives 300-400 level	3
		Total Eighth Semester:	17	
	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!			
	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 BS PHYSICS & BS PHYSICS/APPLIED MAJORS

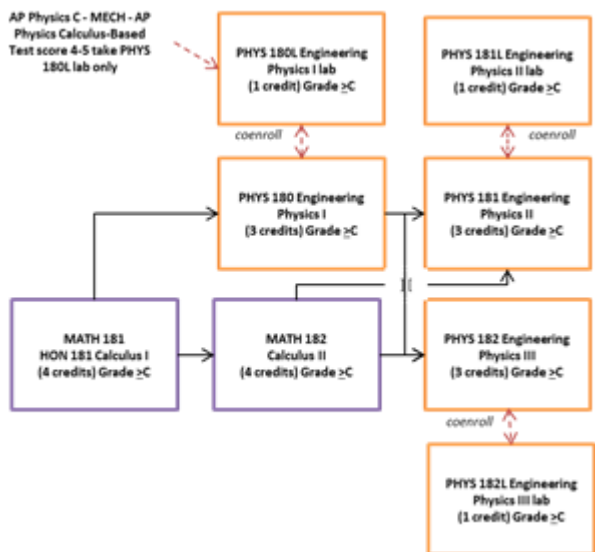
Lower Division Math Sequence



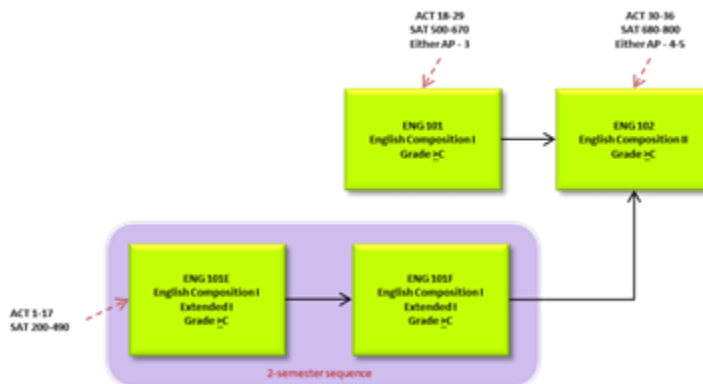
Lower Division Chemistry Sequence



Lower Division Engineering Physics Sequence



Lower Division English Sequence



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