



BS Mathematics in 4 Years 2017-2018

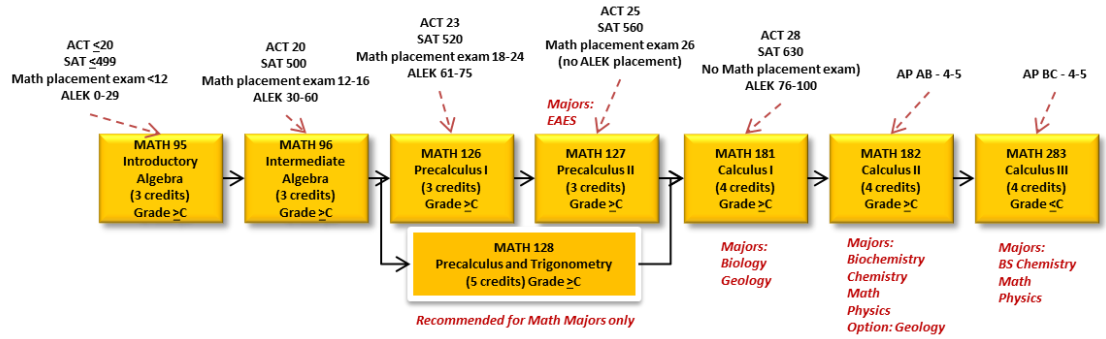
Department of Mathematical Sciences

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

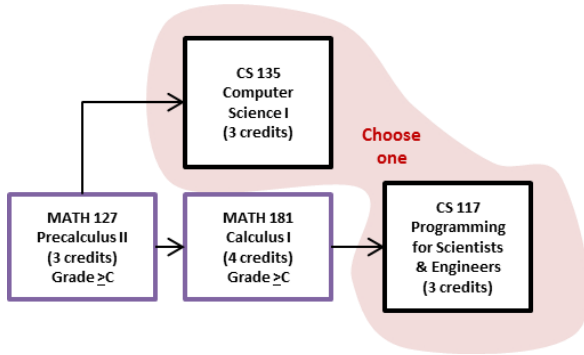
	First Semester		Second Semester	
	Course	Credits	Course	Credits
1st Year	→ ENG 101 English Composition I	3	→ ENG 102 Composition II	3
	→ MATH181 Calculus I*	4	→ MATH 182 Calculus II	4
	Choose First Year Seminar (SCI-101 recommended)	2	Science & Engineering from list	3
	Choose Fine Arts**	3	HIST 100 or PSC 101 US NV Constitution	4
	Choose Social Science Field 1**	3		
	Total First Semester:	15	Total Second Semester:	14
	Third Semester		Fourth Semester	
	Course	Credits	Course	Credits
2nd Year	→ MATH 251 Discrete Mathematics I	3	→ MATH 330 Linear Alg or MATH 365 Comp Linear Alg	3
	→ MATH 283 Calculus III	4	→ Choose Humanities Field 1**	3
	→ CS 117Prog for Sci & Eng or CS 135 Computer Sci I	3	Choose Second Year Seminar	3
	→ PHYS 180 Engineering Physics I	3	Choose Social Science Field 2**	3
	→ PHYS 180L Engineering Physics laboratory	1	Science or Engineering Electives 100-400 level	3
	Total Third Semester:	14	Total Third Semester:	15
	Fifth Semester		Sixth Semester	
	Course	Credits	Course	Credits
3rd Year	→ MATH 427 Differential Equations I	3	Science or Engineering from list	2
	→ MATH 453 Abstract Algebra I	3	Science or Engineering Electives 300-400 level	3
	→ MATH 457 Introduction to Real Analysis I	3	Science or Engineering Electives 300-400 level	3
	→ Science or Engineering Electives 300-400 level	3	General Electives 100-400 level	3
	Choose Social Science Field 3**	3	Choose Humanities Field 2**	3
	Total Fifth Semester:	15	Total Sixth Semester:	14
	Seventh Semester		Eighth Semester	
	Course	Credits	Course	Credits
4th Year	→ 400 level Mathematics or Statistics	3	→ 400 level Mathematics or Statistics	3
	→ 400 level Mathematics or Statistics	3	→ 400 level Mathematics or Statistics	3
	General Electives 100-400 level	4	→ Science or Engineering Electives 100-400 level	3
	→ Science or Engineering Electives 300-400 level	3	→ Science or Engineering Electives 100-400 level	3
	→ Science or Engineering Electives 300-400 level	4	Science or Engineering Electives 100-400 level	4
	Total Seventh Semester:	17	Total Eighth Semester:	16
Notes	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 <i>may simultaneously fulfill other general education requirements</i> (General Education Requirements are Italized) . 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			
	****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			
*****Of the 120 credits required for graduation, 80 or more must be in courses offered by the College of Sciences and/or the College of Engineering				

LOWER DIVISION PREREQUISITE COURSE SEQUENCES FOR BS MATHEMATICS MAJORS

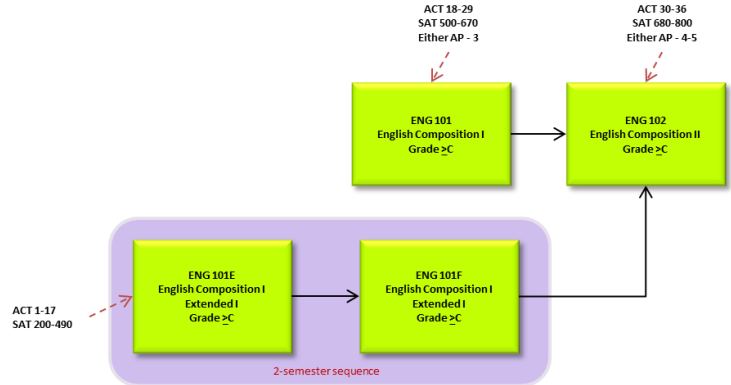
Lower Division Math Sequence



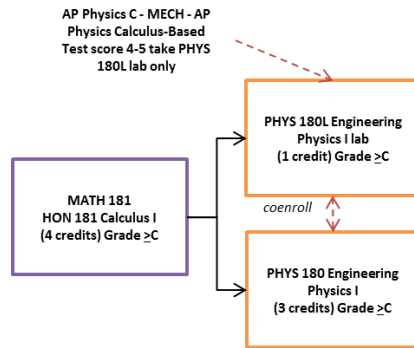
Lower Division Computer Science Sequence



Lower Division English Sequence



Lower Division Engineering Sequence



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