



BS Mathematical Actuarial Science in 4 Years 2017-2018

Department of Mathematical Sciences

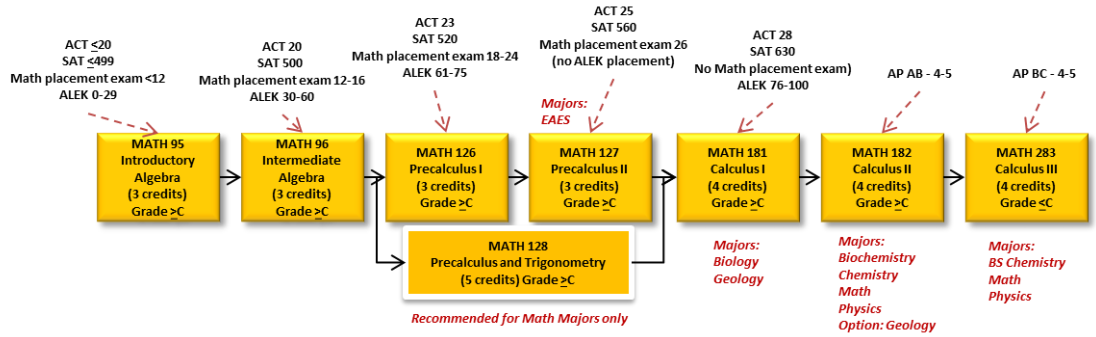
Catalog Year: Fall 2017=2018 ♦ Catalog Expires: Summer 2028 ♦ Graduation: Spring 2021

	First Semester		Second Semester	
	Course	Credits	Course	Credits
1st Year	→ ENG 101 English Composition I	3	→ ENG 102 Composition II	3
	→ MATH 181 Calculus I	4	→ CS 117 Programming for Scientists and Engineers OR CS 135 Computer Science I	3
	Choose First Year Seminar (SCI-101 recommended)	2		
	HIST 100 or PSC 101 US NV Constitution	4	→ MATH 182 Calculus II	4
	Choose Social Science Field 1	3	→ ECON 102 Principles of Microeconomics (also Soc Sci)	3
	Total First Semester:	16	Total Second Semester:	13
	Third Semester		Fourth Semester	
	Course	Credits	Course	Credits
2nd Year	→ MATH 283 Calculus III	4	→ MATH 320 Mathematics of Interest	3
	→ MATH 330 Linear Algebra OR MATH 365 Computational Linear Algebra	3	→ MATH 427 Differential Equations I	3
	General Electives 100-400 level	3	Science & Engineering from list	3
	Choose Second Year Seminar	3	Science & Engineering from list	3
	→ ECON 103 Principles of Macroeconomics	3	Choose Humanities Field 1	3
	Total Third Semester:	16	Total Fourth Semester:	15
	Fifth Semester		Sixth Semester	
	Course	Credits	Course	Credits
3rd Year	→ MATH 463 Advanced Matrix Theory or MATH 466 Numerical methods I	3	→ MATH 472 Actuarial Mathematics II	3
	→ MATH 471 Actuarial Mathematics I	3	General Electives 100-400 level	3
	General Electives 100-400 level	3	General Electives 100-400 level	3
	→ FIN 321 Corporate Risk Management	3	Science & Engineering Electives	3
	Choose Fine Arts	3	Choose Humanities Field 2	3
	Total Fifth Semester:	15	Total Sixth Semester:	15
	Seventh Semester		Eighth Semester	
	Course	Credits	Course	Credits
4th Year	→ STAT 411 Statistical Methods I	3	→ STAT 412 Statistical Methods II	3
	→ STAT 467 Introduction to Mathematical Statistics	3	General Electives 300-400 level	1
	→ STAT 488 Senior Research Project in Statistics	3	Science & Engineering from list	3
	General Electives 100-400 level	3	Choose Social Science Field 3	3
	General Electives 100-400 level	2	Science & Engineering Electives	3
	Total Seventh Semester:	14	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/			
	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!			
	◊Select nine (9) credits, including a LAB course, from BIOL courses numbered 189 and above; CHEM courses numbered 121 and above except CHEM 201, 203; GEOL courses numbered 220 and above; GEOG courses numbered 300 and above; PHYS courses numbered 180 and above; CEE courses numbered 300 and above; CS courses numbered 218 and above; all CpE courses; EE courses numbered 220 and above; all ME courses.			
	Every student will be encouraged to take the GRE Advanced Test in Mathematics			
	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.			
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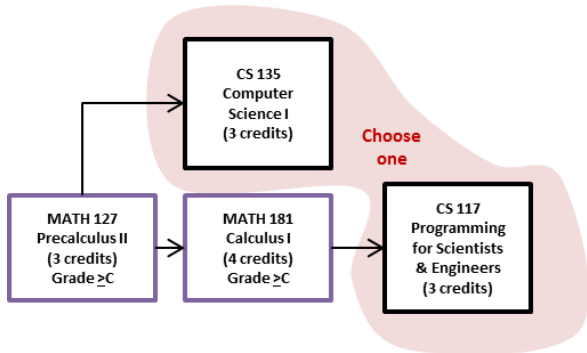


LOWER DIVISION PREREQUISITE COURSE SEQUENCES FOR BS MATHEMATICAL ACTUARIAL SCIENCE MAJORS

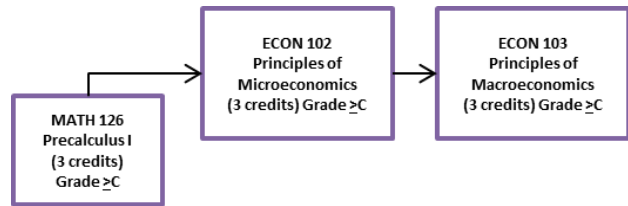
Lower Division Math Sequence



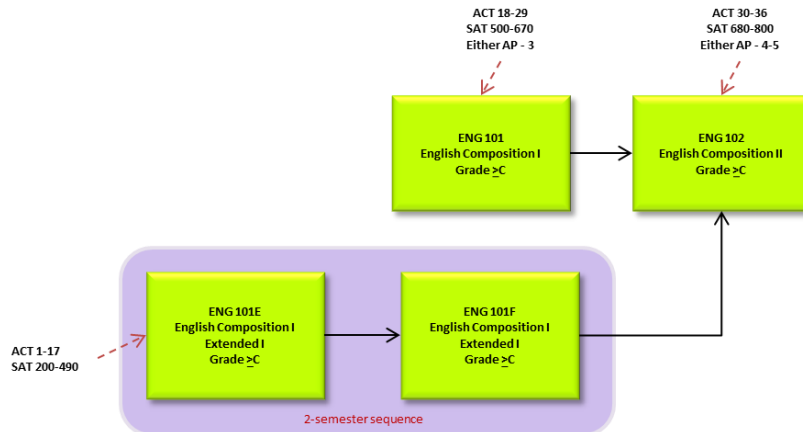
Lower Division Computer Science Sequence



Lower Division Economics Sequence



Lower Division English Sequence



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