



# BA Mathematics in 4 Years 2017-2018

## Department of Mathematical Sciences

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

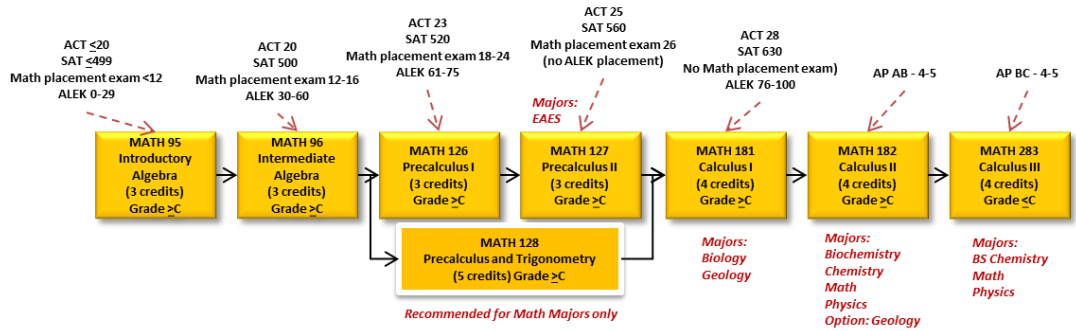
	First Semester		Second Semester	
	Course	Credits	Course	Credits
1st Year	→ ENG 101 English Composition I	3	→ ENG 102 Composition II	3
	→ MATH181 Calculus I	4	→ MATH 182 Calculus II	4
	Choose First Year Seminar (SCI-101 recommended)	2	General Electives 100-400 level	3
	Choose Fine Arts	3	HIST 100 or PSC 101 US NV Consitution	4
	Choose Social Science Field 1	3		
	<b>Total First Semester:</b>	<b>15</b>	<b>Total Second Semester:</b>	<b>14</b>
	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 117 Prog for Sci & Eng or CS 135 Computer Sci I	3	Choose Social Science Field 2	3
	General Electives 100-400 level	3	General Electives 100-400 level	3
	Choose Second Year Seminar	3	General Electives 100-400 level	3
	<b>Total Third Semester:</b>	<b>16</b>	<b>Total Third Semester:</b>	<b>15</b>
	Fifth Semester		Sixth Semester	
	Course	Credits	Course	Credits
3rd Year	→ MATH 427 Differential Equations I	3	General Electives 100-400 level	3
	→ MATH 453 Abstract Algebra I	3	General Electives 100-400 level	3
	→ MATH 457 Introduction to Real Analysis I	3	→ Upper Division Electives 300-400 level	4
	Science or Engineering from list	3	General Electives 100-400 level	2
	Choose Social Science Field 3	3	Choose Humanities Field 2	3
	<b>Total Fifth Semester:</b>	<b>15</b>	<b>Total Sixth Semester:</b>	<b>15</b>
	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
	→ Upper Division Electives 300-400 level	3	Science or Engineering from list	3
	→ Upper Division Electives 300-400 level	3	→ Upper Division Electives 300-400 level	3
	Science or Engineering from list	3	→ Upper Division Electives 300-400 level	3
	<b>Total Seventh Semester:</b>	<b>15</b>	<b>Total Eighth Semester:</b>	<b>15</b>

Notes	Notes	
	→	course has a prerequisite--see reverse side for course sequences or go to the UNLV online catalog at <a href="http://catalog.unlv.edu/">http://catalog.unlv.edu/</a>
	Δ	A 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 college-level BIOL, CHEM, GEOG, GEOL, PHYS, CEE, CS, CpE, EE, 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.	

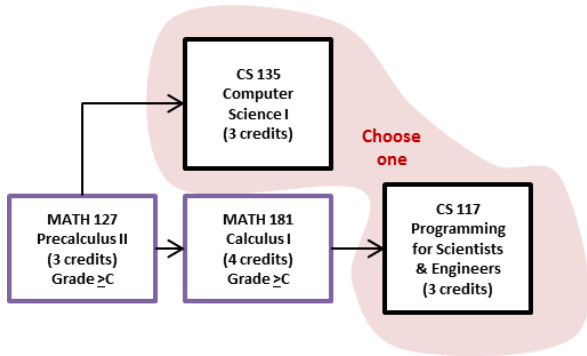


## LOWER DIVISION PREREQUISITE COURSE SEQUENCES FOR BA MATH MAJORS

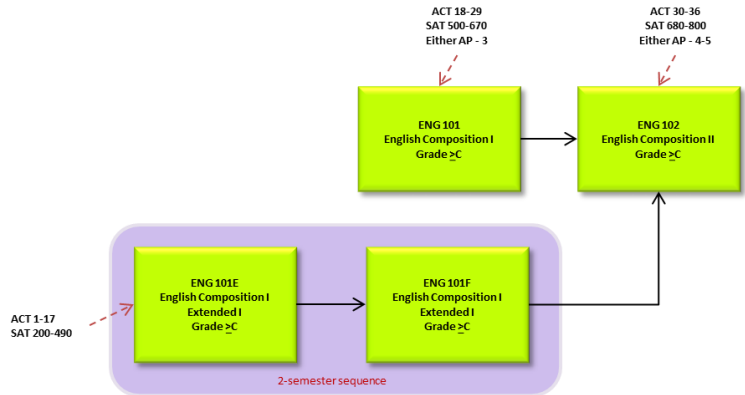
### Lower Division Math Sequence



### Lower Division Computer Science Sequence



### Lower Division English Sequence



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