

BS Mathematical Actuarial Science 2017-2018

Department of Mathematical Sciences

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

Requirement			UNLV	College	
			120 Total credits	60 credits COS or COE	40 credits 300-400 level
General Education	First Year Seminar		2		
	Second Year Seminar		3		
	ENG 101 English Composition I		3		
	ENG 102 English Composition II		3		
	US/NV Constitution HIST 100 or PSC 101		4		
	Humanities Field 1		3		
	Humanities Field 2		3		
	Fine Arts		3		
	Social Science Field 1		3		
	Social Science Field 2 (ECON 102 below fills this reqmt)				
	Social Science Field 3		3		
	Multicultural Δ		0		
	International Δ		0		
	Milestone Experience		0		
	Culminating Experience		0		
Major	MATH181 Calculus I		4	4	
	MATH 182 Calculus II		4	4	
	MATH 283 Intermediate Calculus		4	4	
	MATH 320 Mathematics of Interest		3	3	3
	EITHER MATH 330 Linear Algebra OR MATH 365 Computational Linear		3	3	3
	MATH 427 Differential Equations I		3	3	3
	MATH 463 Advanced Matrix Theory OR MATH 466 Numerical Methods I		3	3	3
	MATH 471 Actuarial Mathematics I		3	3	3
	MATH 472 Actuarial Mathematics II		3	3	3
	STAT 411 Statistical Methods I		3	3	3
	STAT 412 Statistical Methods II		3	3	3
	STAT 467 Introduction to Mathematical Statistics		3	3	3
	STAT 488 Senior Research Project in Stastics		3	3	3
	Science & Engineering from list ♦		9	9	
	Science & Engineering Electives (recommend 300+ to reach 40 upper division credits)		6	6	6
CS 117 Prog for Sci/Eng OR CS 135 Comp Sci I		3	3		
ECON 102 Principles of Microeconomics (also fills Soc Sci)		3			
ECON 103 Principlis of Macroeconomics		3			
FIN 321 Corporate Risk Management		3		3	
Electives	General Electives 100-400 level		20		
	General Electives 300-400 level		1		1
TOTAL CREDITS:			120	60	40

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 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. Of the 120 credits required for graduation, 60 or more must be in courses offered by the College of Sciences and the College of Engineering. 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.

BS MATHEMATICS, BA MATHEMATICS, BS MATHEMATICAL ACTUARIAL SCIENCE

NSHE Transfers

Only credits transfer to UNLV from other institutions; grades do not transfer and do not affect GPA at UNLV (this includes other Nevada institutions)

If you receive a passing grade at UNLV and you choose to retake the class, you must do so at UNLV, NOT at CCSN or other NSHE institutions; if you fail a class at UNLV, you may retake the class at CSN or other NSHE institutions.

BIOL 251G (Honors Microbiology) from CSN may fill a requirement for BIOL 351 (BS Biology) at UNLV.

Credit Load

12 semester credits are in many cases the minimum full-time undergraduate credit load required for full time financial aid. However, the university expects students to enroll in 15 credits per semester so the degree can be finished within 4 years. The maximum credits allowed during a regular semester are 17 for freshmen level and 18 for sophomore, junior, and senior levels. Freshmen may not petition for overload. Higher level students may petition only if they have a GPA 3.0 or higher.

Student Responsibility for Their Degree

Students are responsible for knowing and meeting the requirements for graduation. Academic Advisors are available to answer questions that students might have concerning their degree requirements. Students with majors in the College of Sciences are expected to read and understand the following documents.

The UNLV on-line catalog can be located at <http://www.unlv.edu/academics/catalogs>

The students' individualized Degree Audit Report can be found by logging in to MyUNLV.