

College: **College of Sciences**
 Department: **Geoscience Department**

Requirements for entering terms: **Fall 2014 - Spring 2015**
 Catalog Expires (10 yrs): **August 2025**
 Graduation: **Spring 2018 - Spring 2019**



	Credit Range	
	Min	Max
General Education:	33	42
Mathematics	39	51
Related:	15	18
Electives:	33	11
Total Credits:	120	122



University of Nevada, Las Vegas (UNLV)
Mathematics Department
 Central Desert Complex # 8 (CDC-801)
 702-895-3567
<http://www.unlv.edu/math>

General Education

Course	Min	Max	Course	Min	Max
First Year Seminar	2	3	Social Science Field 1	3	3
Second Year Seminar	3	3	Social Science Field 2	3	3
ENG 101 English Composition I	3	3	Social Science Field 3	3	3
ENG 102 English Composition II	3	3	Multicultural**	0	3
HIST 100 or PSC 101 US/NV Constitution	4	6	International**	0	3
Humanities Field 1	3	3	Milestone Experience	0	0
Humanities Field 2	3	3	Culminating Experience	0	0
Fine Arts	3	3			

Mathematics

MATH181 Calculus I	4	4	Choose 12 additional credits from 400-level MATH or STAT courses	12	12
MATH 182 Calculus II	4	4		0	12
MATH 251 Discrete Mathematics I	3	3	The program of study must include two (2) one-year 400-level MATH or STAT sequences (see Degree Audit in MyUNLV for sequence choices); courses from the math core and the math 12-credit requirement may be used toward a sequence). <i>Every student will be encouraged to take the GRE Advanced Test in Mathematics</i>		
MATH 283 Intermediate Calculus	4	4			
EITHER MATH 330 Linear Algebra OR MATH 365 Computational Linear Algebra	3	3			
MATH 427 Differential Equations I	3	3			
MATH 453 Abstract Algebra I	3	3			
MATH 457 Introduction to Real Analysis I	3	3			

Related

Choose 5 credits from the following: 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 181 and above; CEE courses numbered 241 and above; CS courses numbered 218 and above; CpE courses numbered 300 and above; EE courses numbered 220 and above; ME courses numbered 242 and above.	5	5	Choose one of the following: STAT 152 - Introduction to Statistics OR STAT 411 - Statistical Methods I AND STAT 412 - Statistical Methods II OR STAT 491 - Statistics for Scientists I AND STAT 492 - Statistics for Scientists II	3	6
			*PHYS 180 & 180L Engineering Physics I	4	4
			CS 117 Prog for Sci/Eng OR CS 135 Comp Sci I	3	3

Electives

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

Upper Division Credits in the Major (300 or 400 level):	24	42	***Sci or Eng Electives (any level) to reach 80:	17	11
Upper Division Credits Required for the Degree:	40	40			
Upper Division Elective Credits to Complete (9 of 16 must be in science or engineering to reach 80):	16	0	<i>Number of Electives depends on other course choices</i>		

Notes

*MATH 181 is the prerequisite for PHYS 181

University/Dept Requirements

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 (General Education Requirements are Italized). A single course may not simultaneously meet both the multicultural and international requirements. Discuss with your Academic Advisor!

Resident Credit: 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. (Special examination, physical education activity courses, or Distance/ online credits are exempted.)

Minimum Credits for Graduation: The minimum number of semester credits required for a bachelor's degree for a student graduating under the regulations of the 2012 - 2014 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.

Minimum University Grade Point Average for Graduation: 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.