



University of Nevada, Las Vegas (UNLV)
 College of Sciences, Mathematics Department
B.S. Mathematics - Actuarial Science
 2010-2012 Catalog

University Credit Requirements for Graduation

40	A minimum of 40 Upper Division Credits required (ANY 300-400 level course) including credits shown above
60	Of the 124 credits erequired for graduation, 60 or more must be in courses offered by the College of Sciences and the College of Engineering
124	A minimum of 124 Total Credits required (ANY 100-400 level course) including credits shown above
62	A minimum of 62 credits must be earned at a four-year institution
30	The last 30 credits must be completed in uninterrupted residence as a DECLARED major in the degree-granting college.

Requirement	Required Course	Credits	Required Course	Credits
-------------	-----------------	---------	-----------------	---------

General Education Core: Minimum grade passing					
General Education Core Requirements	English Composition:		DISTRIBUTION REQUIREMENTS		
	English Composition: ENG 101	3	Humanities and Fine Arts: (see course choices in the catalog--Academic Policies)		
	English Composition: ENG 102	3	Humanities: 2 courses in two different fields	6	
	Literature: Either ENG 231 or 232 (World Literature I or II)		3	Fine Arts: 1 appreciation or introductory course	3
	United States and Nevada Constitution:		Life & Physical Sciences and Analytical Thinking: Exempt		
	<i>One Course Option (fills both US and NV):</i> EITHER HIS 100 or PSC 101		4	Social Sciences: 3 courses in three different fields	
	<i>Two Course Option:</i>		see course choices in the catalog--Academic Policies		
	US Constitution: HIST 101,106,401,412, PSC 304,330,409c, PUA 241		3	Multicultural Requirement: (Multicultural issues within the United States only)	
	NV Constitution: HIST 102,217,402,417A, PSC 100,401D		3	see course choices www.unlv.edu/committees/gec	
	Transfer students--see the Advising Center regarding Constitution		International Requirement: (International issues outside the United States only)		
Mathematics: filled by major requirement MATH 181 Calculus I		below	see course choices www.unlv.edu/committees/gec		
Computer Programming:		*Courses may simultaneously fill the Humanities, Fine Arts or Social Science requirements, but a single course may not simultaneously meet the Multicultural and International requirements			
Filled by Major below					3

Electives	SCI 101 Student Orientation (REQUIRED for all first time freshmen who matriculate Fall 2007 forward)	1
	60 or more credits must be in courses offered by the College of Sciences and the College of Engineering (including major courses and/or electives)	
	UNLV Upper Division electives: required ONLY to reach 40 Upper Division credits (these can be ANY 300-400 level courses offered at UNLV)	
UNLV electives: required ONLY to reach 124 total credits (these can be ANY 100-400 level courses offered at UNLV)		

Mathematics Actuarial Science Major Course Requirements: A grade of "C" is required in MATH or STAT courses				
Mathematics Actuarial Science Major Course Requirements	MATH 181 Calculus I	4	Other Upper Division Required Courses	
	MATH 182 Calculus II	4	MATH 427 Differential Equations I	3
	MATH 283 Calculus III	4	MATH 471 Actuarial Mathematics I	3
	MATH 320 Mathematics of Interest	3	MATH 473 Risk Theory	3
	Select Either MATH 330 Linear Algebra or MATH 365 Computational Linear Algebra		STAT 411 Statistical Methods I	3
	MATH _____	3	STAT 412 Statistical Methods II	3
	Select Either MATH 463 Adv. Matrix Theory or MATH 465 Numerical Methods		STAT 467 Intro to Mathematical Statistics	3
	MATH _____	3	STAT 488 Senior Research Project in Statistics	3

Related Course Requirements: Minimum Grade passing					
Related Course Requirements	Select 9 credits, including a LAB course, from college-level: BIOL ≥ 189; CHEM ≥ 121 and above (except CHEM 201, 203); GEOL ≥ 220; GEOG ≥ 300; GEOL ≥ 220; PHYS ≥ 180; CEE ≥ 300; *CS ≥ 218; EE ≥ 220; all CPE; all ME; *CS will also fill the Gen Ed Computer Sci requirement.				
	(1)	3	Select from CS 117 - Programming for Scientists and Engineers OR CS 135 - Computer Science I		
	(2)	3			
	(3)	3			
	Economics and Finance Requirements				
	ECON 102 Principles of Microeconomics	3	FIN 321 Corporate Risk Management	3	
	ECON 103 Principles of Macroeconomics	3			

UNLV College of Sciences Advising Center
 MPE-A 130 702-895-2077

Department of Mathematics
 CBC B-422 702-895-3567

This worksheet is provided as a reference starting point and is not a substitute or replacement for the requirements of the UNLV 2008-2010 catalog. If there are any conflicts with the UNLV catalog or omissions or inclusions different from the appropriate catalog within this worksheet, the appropriate catalog shall control. There shall be no exceptions to this policy. All students are responsible for and expected to know the requirements of the appropriate catalog as applied to their particular status.