



University of Nevada, Las Vegas (UNLV)
College of Sciences, Mathematics Department
B.S. Mathematics
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
80	Of the 124 credits required for graduation, 80 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
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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: (see course choices in the catalog--Academic Policies)	3
	United States and Nevada Constitution		Life & Physical Sciences and Analytical Thinking: Exempt	
	<i>Fills both US and NV:</i> EITHER HIS 100 or PSC 101 (HIST 100)	4	Social Sciences: 3 courses in three different fields	
	<i>Two Course Option:</i>		see course choices in the catalog--Academic Policies	9
	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	3
	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	3*	
*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				

Electives	SCI 101 Student Orientation (REQUIRED for all first time freshmen who matriculate Fall 2007 forward)	1
	80 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 Major Course Requirements				
A grade of "C" is required in MATH or STAT courses				
Mathematics Major Course Requirements	MATH 181 Calculus I	4	Choose 12 additional 400 level MATH or STAT courses	
	MATH 182 Calculus II	4	(1)	3
	MATH 251 Discrete Mathematics I	3	(2)	3
	MATH 283 Calculus III	4	(3)	3
	↓Select Either MATH 330 Linear Algebra or MATH 365 Computational Linear Algebra↓	4	(4)	3
	MATH _____	3	The program above must include two one-year 400-level Math or Stat sequences	
	Required Courses			
	MATH 427 Differential Equations	3	(1A)	3
	MATH 453 Abstract Algebra	3	(1B)	3
	MATH 457 Introduction to Real Analysis I	3	(2A)	3
		(2B)	3	

Related Course Requirements: Minimum Grade passing				
Related Course Requirements	Select one: CS 117 or 135	3	Choose 5 credits from: BIOL ≥ 189, CHEM ≥ 121 (not 201 or 203), GEOL ≥ 220, GEOG ≥ 300, PHYS ≥ 181, CEE ≥ 241, CS ≥ 218, CpE ≥ 300, EE ≥ 220, ME ≥ 242.	
	PHYS 180 Engineering Physics I and PHYS 180L Lab	4		
			3	
			2	
Every student will be encouraged to take the Graduate Record Exam (GRE) Advanced Test in Mathematics.				

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.