



# B.A. Mathematics

## 2008-2010 Catalog

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NOTE: Effective January 1, 2006, a semester GPA < 2.75 MAY affect your Millenium Scholarship

Requirement	Required Course	Credits	Required Course	Credits	
<b>General Education Core: Minimum grade passing</b>					
<b>General Education Core Requirements</b>	<b>English Composition:</b>		<b>DISTRIBUTION REQUIREMENTS</b>		
	English Composition: ENG 101	3	<b>Humanities and Fine Arts:</b> (see course choices in the catalog--Academic Policies)		
	English Composition: ENG 102	3	Humanities: 2 courses in two different fields Δ	6	
	Literature: Either ENG 231 or 232 (World Literature I or II)	3	Fine Arts: 1 appreciation or introductory course	3	
	<b>United States and Nevada Constitution</b>		<b>Life &amp; Physical Sciences and Analytical Thinking:</b> Exempt		
	<i>One Course Option (fills both US and NV):</i> EITHER HIS 100 or PSC 10		4	<b>Social Sciences:</b> 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	<b>Multicultural Requirement:</b> (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			<b>International Requirement:</b> (International issues outside the United States only)	
<b>Mathematics:</b> filled by major requirement MATH 181 Calculus I		below	see course choices www.unlv.edu/committees/gec Δ		
<b>Computer Programming:</b> filled by major requirement		below	*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		
<b>Electives</b>	SCI 101 Student Orientation (REQUIRED for all first time freshmen who matriculate Fall 2007 forward)			1	
	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)				
<b>A grade of "C" is required in MATH or STAT courses</b>					
<b>Mathematics Course Requirements</b>	MATH 181 Calculus I	4	Choose 12 additional Upper Division 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	Two one-year 400-level Math or Stat sequences (courses from other requirements may be used)		
	Required Courses				
	MATH 427 Differential Equations	3	(1)	3	
	MATH 453 Abstract Algebra	3	(2)	3	
	MATH 457 Introduction to Real Analysis I	3	(3)	3	
		(4)	3		
<b>Related Course Requirements: Minimum Grade passing</b>					
<b>Related Course Requirements</b>	Select 9 credits, including a LAB course, from college level BIOL, CHEM, GEOL, GEOG, PHYS, CEE, CS, CpE, EE, ME courses		Select CS 117 Program for Sci and Eng or CS 119 Program for Sci and Eng: C or CS 135 Computer Science I		
	(1)	3	CS _____	3	
	(2)	3			
	(3)	3			
Students are required to include a two-semester college-level foreign language course or have two years of foreign language at the high school level Δ College-level (not HS) foreign language courses 113 and above can also be used to fill one Humanities requirement and the International requirement.					
<b>University Credit Requirements for Graduation</b>					
40	A minimum of 40 Upper Division Credits required (ANY 300-400 level course) including credits shown above				
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.				
	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.