



University of Nevada, Las Vegas (UNLV)
College of Sciences, Chemistry Department
B.S. Biochemistry
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
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 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	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
	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)	

Chemistry Course Requirements				
No more than one grade of "D" in any Chemistry Course				
Chemistry Major Course Requirements	CHEM 121/121L: Corequisite MATH 127 or 128; prerequisite > C in CHEM 103; or pass Chem Pretest; see-- http://sciences.unlv.edu/Chemistry/policy.htm		CHEM421 Physical Chemistry I	3
			CHEM422 Physical Chemistry II	3
	CHEM121/121L General Chemistry I	4	CHEM455 Instrumental Analysis	3
	CHEM122/122L General Chemistry II	4	CHEM455L Instrumental Analysis Laboratory	2
	CHEM241 Organic Chemistry I	3	CHEM472 Biochemistry Laboratory	2
	CHEM347 Laboratory Techniques of Organic Chemistry I	1	CHEM474 Biochemistry I	3
	CHEM242 Organic Chemistry II	3	CHEM475 Biochemistry II	3
	CHEM348 Laboratory Techniques of Organic Chemistry II	2	CHEM476 Advanced Topics in Biochemistry	2-3
	CHEM355 Quantitative Analysis	3	CHEM491 Senior Seminar in Chemistry	1
	CHEM355L Quantitative Analysis Laboratory	2	Three Additional Upper Division Chemistry	
	CHEM402 Scientific Software for the Microcomputer	1	(1)	3

Biology Course Requirements: Minimum Grade passing				
Chemistry Major Course Requirements	BIOL189/189L Fundamentals of Life Sciences	4	BIOL300/300L Genetics	4
	BIOL196/196L Biology I	4		
	BIOL197/197L Biology II	4		
	A minimum of 9 credits from the following list: BIOL 350, BIOL 351, BIOL 409, BIOL 440, BIOL 442, BIOL 447, BIOL 448, BIOL 453, BIOL 460, BIOL 465, BIOL 466, BIOL 468, BIOL 470, BIOL 473, BIOL 485, and CHEM 478 >>>		(1)	3
			(2)	3
			(3)	3

Math and Physics Course Requirements: Minimum Grade passing				
Related Course Requirements	MATH 181 Calculus I	4	PHYS 151/151L General Physics I	4
	MATH 182 Calculus II	4	PHYS 152/152L General Physics II	4
			OR	
			PHYS 180/180L Engineering Physics I	4
			PHYS 181/181L Engineering Physics II	4
			PHYS 182/182L Engineering Physics III	4

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

Department of Chemistry
CHE 106 702-895-3510

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.