

# UNLV BS Biochemistry Degree Requirements [2014-2015]

College: **College of Sciences**  
 Department: **Chemistry Department**

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



	<u>Credit Range</u>	
	<i>Min</i>	<i>Max</i>
General Education:	33	42
Chemistry:	49	49
Biology:	22	22
Related:	16	20
Electives:	0	0
<b>Total Credits:</b>	<b>120</b>	<b>133</b>



University of Nevada, Las Vegas (UNLV)  
**Chemistry Department**  
 Chemistry Building (CHE-106)  
 702-895-3510  
[www.unlv.edu/chemistry](http://www.unlv.edu/chemistry)

	<i>Course</i>	<i>Min</i> - <i>Max</i>	<i>Course</i>	<i>Min</i> - <i>Max</i>
<b>General Education</b>	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		
<b>Chemistry</b>	CHEM121/121L General Chemistry	4 - 4	CHEM421 Physical Chemistry I	3 - 3
	CHEM122/122L General Chemistry II	4 - 4	CHEM422 Physical Chemistry II	3 - 3
	CHEM241 Organic Chemistry I	3 - 3	CHEM 455 Instrumental Analysis	3 - 3
	CHEM347 Laboratory Techniques of Organic	1 - 1	CHEM 455L Instrumental Analysis Laboratory	2 - 2
	CHEM242 Organic Chemistry II	3 - 3	CHEM 472 Biochemistry Laboratory	2 - 2
	CHEM348 Laboratory Techniques of Organic	2 - 2	CHEM474 Biochemistry I	3 - 3
	CHEM355 Quantitative Analysis	3 - 3	CHEM 475 Biochemistry II	3 - 3
	CHEM355L Quantitative Analysis Laboratory	2 - 2	CHEM 476 Advanced Topics in Biochemistry	3 - 3
Select 5 additional upper division credits of chemistry	5 - 5			
<b>Biology</b>	BIOL 196 Modern Biology I	4 - 4	BIOL 300 Genetics	4 - 4
	BIOL 197 Modern Biology II	4 - 4	10 credits of Biology Upper Division Courses*	10 - 10
<b>Related</b>	PHYS 151/151L General Physics I	4 - 4	MATH181 Calculus I	4 - 4
	PHYS 152/152L General Physics II	4 - 4	MATH 182 Calculus II	4 - 4
	<b>OR</b>	-		
	PHYS 180 and 180L Engineering Physics I	4 - 4		
	PHYS 181 and 181L Engineering Physics II	4 - 4		
	PHYS 182 and 182L Engineering Physics III	4 - 4		
<b>Electives</b>	Upper Division Credits in the Major (300 or 400 level):	49 - 49	Electives (any level):	0 - 0
	Upper Division Credits Required for the Degree:	40 - 40	<i>No additional electives are required for this degree</i>	
	Upper Division Elective Credits to Complete:	0 - 0		
<b>Notes</b>	*Upper Division Biology: Choose from: BIOL 351 Microbiology, BIOL 304 Molecular Genetics, BIOL 405 Molecular Biology, BIOL 409 Virology, BIOL 412 Molecular Evolution, BIOL 415 Evolution, BIOL 417 Biochemical Adaptations, BIOL 425 Genomics, BIOL 440 Mammalian Physiology, BIOL 442 Principles of Plant Physiology with Laboratory, BIOL 445 Cell Physiology, BIOL 447 Advanced Comparative Animal Physiology, BIOL 448 Mammalian Physiology Laboratory, BIOL 453 Immunology, BIOL 460 Microbial Physiology, BIOL 466 Developmental Biology, BIOL 468 Histology, BIOL 470 Topics in Applied Microbiology, BIOL 473 Advanced Topics in Cell and Molecular Biology, BIOL 475 Neurobiology, BIOL 480 Introduction to Biological Modeling, BIOL 481 Advanced Cell Biology, BIOL 485 Microbial Genetics, CHEM 478 Endocrinology.			
<b>University Requirements</b>	*The two <b>Multicultural and International Requirements</b> may be filled by enrolling in two general education classes that also fill Multicultural or International - see your Advisor before making your choices! There is a specific list of classes to choose from.			
	<b>Resident Credit:</b> 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.)			
	<b>Minimum Credits for Graduation:</b> 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.			
<b>Minimum University Grade Point Average for Graduation:</b> 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.				