

College: **College of Sciences**  
 Department: **School of Life Sciences**

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



	<i>Credit Range</i>	
	<i>Min</i>	<i>Max</i>
General Education:	33	42
Biology:	47	47
Related:	34	34
Electives:	6	0
<b>Total Credits:</b>	<b>120</b>	<b>123</b>



University of Nevada, Las Vegas (UNLV)  
**School of Life Sciences**  
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 702-895-3390  
[www.unlv.edu/lifesciences](http://www.unlv.edu/lifesciences)

General Education

<i>Course</i>	<i>Min</i>	<i>Max</i>	<i>Course</i>	<i>Min</i>	<i>Max</i>
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			

To enroll in upper division (300-400 level) biology classes, students must complete a set of introductory science, math, and composition classes with a satisfactory grade. These courses, which satisfy university and science major requirements (25 credits), are typically taken in the freshman year. Entry to the major requires a C or better (C- is not sufficient) in each of the following classes (or equivalent transferred from another institution): BIOL 196, BIOL 197, CHEM 121, CHEM 122, MATH 127 or 181, ENG 101, ENG 102. Students with Advanced Placement (AP) credit in chemistry and/ or biology must complete the appropriate lab at UNLV and earn a grade C or higher.

Biology

<i>Biology Core:</i>		<u>28 credits of upper division biology coursework:</u>	-
BIOL 196 Modern Biology I	4 - 4	A minimum of four courses from BIOL 405,	12 - 16
BIOL 197 Modern Biology II	4 - 4	BIOL 409, BIOL 418, BIOL 453, BIOL 460,	
BIOL 351 Microbiology	4 - 4	BIOL 464, BIOL 470, BIOL 485	
BIOL 300 Genetics OR BIOL 304 Molec Genetics	4 - 4		
BIOL 415 Evolution	3 - 3	Remaining credits from Lists A, B, C, D, E to meet	16 - 12
<i>Only one credit from BIOL 492, 493, 494 or 496 may be used toward the requirement for 20 upper division biology credits.</i>		the requirement for 20 upper division credits	

Related

Choose: STAT 391 Applied Statistics for Biological Sciences or STAT 491 Statistics for Scientists I	3 - 3	CHEM 121 General Chemistry I	4 - 4
		CHEM 122 General Chemistry II	4 - 4
PHYS 151 General Physics I	4 - 4	CHEM 241 Organic Chemistry I lecture	3 - 3
PHYS 152 General Physics II	4 - 4	CHEM 241L Organic Chemistry I lab	1 - 1
MATH181 Calculus I	4 - 4	CHEM 242 Organic Chemistry lecture	3 - 3
(MATH 182 Calculus II recommended)		CHEM 242L Organic Chemistry lab	1 - 1
		CHEM 474 Biochemistry I	3 - 3
		(CHEM 475 Biochemistry II recommended)	

Electives

Upper Division Credits in the Major (300 or 400 level):	45 - 45	Electives (any level):	6 - 0
Upper Division Credits Required for the Degree:	40 - 40		
Upper Division Elective Credits to Complete:	0 - 0		

\*\*A minimum of six (6) credits are required, to be composed of a three-credit **multicultural** course and a three-credit **international** course that may simultaneously fulfill other general education requirements (General Education Requirements are Italized). A single course may not simultaneously meet both the multicultural and international requirements. Discuss with your Academic Advisor!

**Resident Credit:** 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.)

**Minimum Credits for Graduation:** 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.

**Minimum University Grade Point Average for Graduation:** 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.