

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:	39	39
Related:	34	34
Electives:	14	5
Total Credits:	120	120



University of Nevada, Las Vegas (UNLV)
School of Life Sciences
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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
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>		<i>20 credits of upper division biology coursework:</i>	
	BIOL 196 Modern Biology I	4	- 4	BIOL 440 Mammalian Physiology
BIOL 197 Modern Biology II	4	- 4	BIOL 445 Cell Physiology	3 - 3
BIOL 351 Microbiology	4	- 4	Three courses from List D	9 - 9
BIOL 300 Genetics OR BIOL 304 Molec Genetics	4	- 4	One course from List C	3 - 4
BIOL 415 Evolution	3	- 3	Remaining credits from Lists A, B or E to meet the requirement for 20 upper division credits	2 - 1
<i>Only one credit from BIOL 492, 493, 494 or 496 may be used toward the requirement for 20 upper division biology credits.</i>				

Related				
	Choose: STAT 391 Applied Statistics for Biological Sciences or STAT 491 Statistics for Scientists I	3	- 3	CHEM 121 General Chemistry I
PHYS 151 General Physics I	4	- 4	CHEM 122 General Chemistry II	4 - 4
PHYS 152 General Physics II	4	- 4	CHEM 241 Organic Chemistry I lecture	3 - 3
MATH181 Calculus I	4	- 4	CHEM 241L Organic Chemistry I lab	1 - 1
(MATH 182 Calculus II recommended)			CHEM 242 Organic Chemistry lecture	3 - 3
			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):	37	- 37	Electives (any level):	11	- 2
	Upper Division Credits Required for the Degree:	40	- 40			
	Upper Division Elective Credits to Complete:	3	- 3			

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.