

# BS Chemistry 2016-2017

## Department of Chemistry & Biochemistry

Catalog Year: Fall 2016 - 2017 ♦ Catalog Expires: Summer 2027 ♦ Graduation: Spring 2020

		UNLV	College
Requirement		120 Total	40 credits
		credits	300-400 level
General Education	First Year Seminar	2	
	Second Year Seminar	3	
	ENG 101 English Composition I	3	
	ENG 102 English Composition II	3	
	US/NV Constitution HIST 100 or PSC 101	4	
	Humanities Field 1: German or Russian recommended	3	
	Humanities Field 2	3	
	Fine Arts	3	
	Social Science Field 1	3	
	Social Science Field 2	3	
	Social Science Field 3	3	
	Multicultural $\Delta$	0	
	International $\Delta$ German or Russian recommended	0	
	Milestone Experience	0	
Culminating Experience	0		
Major	CHEM121A & 121L General Chemistry I	4	
	CHEM122A & 122L General Chemistry II	4	
	CHEM241 Organic Chemistry I	3	
	CHEM347 Laboratory Techniques of Organic Chemistry I	1	1
	CHEM242 Organic Chemistry II	3	
	CHEM348 Laboratory Techniques of Organic Chemistry II	2	2
	CHEM355 Quantitative Analysis	3	3
	CHEM355L Quantitative Analysis Laboratory	2	2
	CHEM421 Physical Chemistry I	3	3
	CHEM422 Physical Chemistry II	3	3
	CHEM 423 Physical Chemistry Laboratory	2	2
	CHEM 428 Quantum Chemistry	3	3
	CHEM 431 Advanced Inorganic Chemistry	3	3
	CHEM 447 Advanced Synthesis Laboratory	2	2
	CHEM 455 Instrumental Analysis	3	3
	CHEM 455L Instrumental Analysis Laboratory	2	2
	CHEM 474 Biochemistry I	3	3
	CHEM 491 Senior Seminar in Chemistry	1	1
	CHEM 493 Senior Research in Chemistry I	1	1
	CHEM 494 Senior Research in Chemistry II	2	2
	Choose seven credits selected from: CHEM 312, 442, 472, 475, 476, 492	7	7
	MATH181 Calculus I	4	
	MATH 182 Calculus II	4	
	MATH 283 Calculus III	4	
	MATH 431 Mathematics for Engineers & Scientists	3	3
	PHYS 180/180L Engineering Physics I	4	
	PHYS 181/181L Engineering Physics II	4	
	PHYS 182/182L Engineering Physics III	4	
	Choose 3-6 credits: STAT 152 Introduction to Statistics, OR STAT 411 and	6	6
	STAT 412 Statistical Methods I and II, OR STAT 491 and STAT 492 Statistics for	6	6
<b>TOTAL CREDITS:</b>		<b>123</b>	<b>52</b>
<p><math>\Delta</math>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. A single course may not simultaneously meet both the multicultural and international requirements. Discuss with your Academic Advisor!</p>			
<p>German or Russian is strongly recommended. Fills one Humanities and the International Requirements</p>			
<p>The minimum number of semester credits required for a bachelor's degree for a student graduating under the regulations of the 2016 - 2017 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.</p>			
<p>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.</p>			
<p>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.</p>			

# BA CHEMISTRY, BS CHEMISTRY, BS BIOCHEMISTRY

## **NSHE Transfers**

Only credits transfer to UNLV from other institutions; grades do not transfer and do not affect GPA at UNLV (this includes other Nevada institutions)

If you receive a passing grade at UNLV and you choose to retake the class, you must do so at UNLV, NOT at CCSN or other NSHE institutions; if you fail a class at UNLV, you may retake the class at CSN or other NSHE institutions.

BIOL 251G (Honors Microbiology) from CSN may fill a requirement for BIOL 351 (BS Biology) at UNLV.

## **Credit Load**

12 semester credits are in many cases the minimum full-time undergraduate credit load required for full time financial aid. However, the university expects students to enroll in 15 credits per semester so the degree can be finished within 4 years. The maximum credits allowed during a regular semester are 17 for freshmen level and 18 for sophomore, junior, and senior levels. Freshmen may not petition for overload. Higher level students may petition only if they have a GPA 3.0 or higher.

## **Student Responsibility for Their Degree**

Students are responsible for knowing and meeting the requirements for graduation. Academic Advisors are available to answer questions that students might have concerning their degree requirements. Students with majors in the College of Sciences are expected to read and understand the following documents.

The UNLV on-line catalog can be located at <http://www.unlv.edu/academics/catalogs>

The students' individualized Degree Audit Report can be found by logging in to MyUNLV.