

College: **College of Sciences**  
 Department: **Physics Department**

Requirements for entering terms: **Fall 2015 - Spring 2016**  
 Catalog Expires (10 yrs): **August 2026**  
 Graduation: **Spring 2019 - Fall 2019**



	<i>Credit Range</i>	
	<i>Min</i>	<i>Max</i>
General Education:	33	42
Physics:	48	48
Related:	36	36
Electives:	3	0
<b>Total Credits:</b>	<b>120</b>	<b>126</b>



University of Nevada, Las Vegas (UNLV)  
**Physics Department**  
 Bigelow Physics Building (BPB-209)  
 702-895-3563  
[www.physics.unlv.edu/](http://www.physics.unlv.edu/)

	<i>Course</i>	<i>Min</i>	<i>Max</i>	<i>Course</i>	<i>Min</i>	<i>Max</i>
General Education	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			
Geology	PHYS 180 Physics for Engineers & Scientists I	3	3	PHYS 421 Electricity & Magnetism I	3	3
	PHYS 180L Physics for Engineers & Scientists I Lab	1	1	PHYS 422 Electricity & Magnetism II	3	3
	PHYS 181 Physics for Engineers & Scientists II	3	3	PHYS 423 Mechanics I	3	3
	PHYS 181L Physics for Engineers & Scientists II Lab	1	1	PHYS 424 Mechanics II	3	3
	PHYS 182 Physics for Engineers & Scientists III	3	3	PHYS 467 Thermodynamics	3	3
	PHYS 182L Physics for Engineers & Scientists III Lab	1	1	PHYS 481 Quantum Mechanics I	3	3
	PHYS 411 Modern Physics I	3	3	PHYS 493 Special Problems	3	3
	PHYS 413 Intermediate Lab I	3	3	Choose 6 additional credits of upper division Physics Courses (300 and above)	6	6
	PHYS 414 Intermediate Lab II	3	3			
Related	MATH181 Calculus I	4	4	CHEM 121/121L General Chemistry I	4	4
	MATH 182 Calculus II	4	4	CHEM 122/122L General Chemistry II	4	4
	MATH 283 Intermediate Calculus	4	4	10 credits in Science, Computer Science or Engineering courses	10	10
				6 credits upper division courses (300 or above) in Science, Computer Science or Engineering courses	6	6
Electives	Upper Division Credits in the Major (300 or 400 level):	42	42	Electives (any level):	3	0
	Upper Division Credits Required for the Degree:	40	40	<i>Number of Electives (any level) depends on other course choices</i>		
	Upper Division Elective Credits to Complete:	0	0			

**University Requirements**

\*\*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.

# BS PHYSICS, BS PHYSICS/APPLIED, BS PHYSICS/COMPUTATIONAL

## **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.