

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**



	Credit Range	
	Min	Max
General Education:	33	42
Physics:	39	39
Related:	38	38
Electives:	10	10
<b>Total Credits:</b>	<b>120</b>	<b>129</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/)

	Course	Min	Max	Course	Min	Max
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 411 Modern Physics	3	3
	PHYS 180L Physics for Engineers & Scientists I Lab	1	1	PHYS 413 Intermediate Lab	3	3
	PHYS 181 Physics for Engineers & Scientists II	3	3	PHYS 421 Electricity & Magnetism I	3	3
	PHYS 181L Physics for Engineers & Scientists II Lab	1	1	PHYS 423 Mechanics I	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 300 Introduction to Physics & Scient Computing	3	3	PHYS 493 Special Problems $\Delta$	3	3
	PHYS 404 Computational Techniques in Physics	3	3			
Related	MATH181 Calculus I	4	4	CS 135 Computer Science I	3	3
	MATH 182 Calculus II	4	4	CS 202 Computer Science II	3	3
	MATH 283 Intermediate Calculus	4	4	**17 credits Science, Mathematics, Computer Science or Engineering Courses	17	17
	MATH 365 Computational Linar Algebra	3	3			
Electives	Upper Division Credits in the Major (300 or 400 level):	30	30	Electives (any level):	0	0
	Upper Division Credits Required for the Degree:	40	40	<i>The number of elective credits depends on course/credit choices in the major requirements</i>		
	**Upper Division Elective Credits to Complete:	10	10			

**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!

\*\*The number of upper division credits in the major does not meet the college requirement for 40 upper division credits. Therefore, to avoid having to take more than 120 credits to meet the requirement for the degree, at least 10 of the 17 credits required for the Science, Mathematics, Computer Science or Engineering requirement in the major should be upper division courses in order to meet the college upper division credit requirement.

**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.

