

Bachelor of Arts in Natural Sciences Physics Option (Catalog Year 2013-2014)

Core Requirements (36 units)				
	Units	In Progress	Taken	Need
Biology (12 units)				
BIOL 1A: Introductory Biology I *	4			
BIOL 1B/1BL: Introductory Biology II / Introductory Biology Lab	4			
BIOL 101: General Ecology	4			
<i>Pre-requisite: BIOL 1A and BIOL 1B; PSYCH 42 or MATH 101</i>				
Chemistry (10 units)				
CHEM 1A/1AL: General Chemistry 1A Lecture/Lab *	5			
CHEM 1B/1BL: General Chemistry 1B Lecture/Lab	5			
Geology (7 units)				
EES 1: Natural Disasters and Earth Resources	4			
EES 168: California's Earth System *	3			
Natural Science (3 units)				
NSCI 106: Reigning Theories of Science	3			
Physical Science (4 units)				
PSCI 21: Elementary Astronomy	4			

Physics Option (41 units)				
	Units	In Progress	Taken	Need
CHEM 128A: Organic Chemistry	3			
<i>Pre-requisite: CHEM 1B</i>				
PSCI 168: Energy and the Environment	3			
MATH 75: Calculus I	4			
<i>Pre-requisite: Calculus Readiness Test</i>				
MATH 76: Calculus II	4			
MATH 77: Calculus III	4			
MATH 81: Applied Analysis	3			
PHYS 4A / AL: Mechanics and Wave Motion / Laboratory	4			
<i>Pre-requisite: GE Foundation B4; MATH 76 (may be taken concurrently)</i>				
PHYS 4B / BL: Electricity, Magnetism, and Heat / Laboratory	4			
<i>Pre-requisite: PHYS 4A; MATH 77 (may be taken concurrently)</i>				
PHYS 4C: Light and Modern Physics	3			
<i>Pre-requisite: PHYS 4B; MATH 77</i>				
PHYS 102: Modern Physics (Fall only)	3			
<i>Pre-requisite: PHYS 4C; MATH 81 (may be taken concurrently)</i>				
PHYS 105A: Analytical Mechanics (Fall only)	3			
<i>Pre-requisite: PHYS 4C; MATH 81</i>				
PHYS 107A: Intermediate Electricity and Magnetism (Fall only)	3			
<i>Pre-requisite: PHYS 105A; MATH 81</i>				

General Education requirements: 51 units

Electives/Remaining unit requirements: 4-7 units

Total: 120 units

* Course may be used to fulfill General Education

** See advising notes in catalog

*** PHYS 4A-B-C with labs 4AL, 4BL (11 total units) is recommended instead of PHYS 2A-B (8 total units) for those students well-prepared for physics

This document cannot be used to supersede or waive requirements listed in the catalog. Fulfillment of University Requirements (including required units) is determined by the Office of the Registrar.