

### Bachelor of Arts in Natural Sciences

Earth Science Option (Catalog Year 2013-2014)

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

Earth Science Option (43 units)				
	Units	In Progress	Taken	Need
PHYS 2A: General Physics I	4			
<i>Pre-requisite: DS 71 or MATH 70 or 75</i>				
PHYS 2B: General Physics II	4			
MATH 75: Calculus I	4			
<i>Pre-requisite: Calculus Readiness Test</i>				
EES 12: Mineralogy	3			
<i>Pre-requisite: EES 1; CHEM 1A (may be taken concurrently)</i>				
EES 30: Introductory Field Methods	3			
<i>Pre-requisite: EES 1</i>				
EES 100: Analytical Methods in the Earth Sciences	2			
<i>Pre-requisite: EES 12 (concurrent enrollment recommended)</i>				
EES 101: Igneous and Metamorphic Petrology	4			
<i>Pre-requisite: EES 30, EES 100; CHEM 1B (may be taken concurrently)</i>				
EES 102: Sedimentology	3			
<i>Pre-requisite: EES 30, EES 100</i>				
EES 105: Geomorphology	3			
<i>Pre-requisite: EES 1, EES 30 (may be taken concurrently)</i>				
EES 112: Planet Earth Through Time	3			
EES 155: Discovering Earth Science	3			
<i>Pre-requisite: EES 1 or EES 112</i>				
EES 3: Geology Field Trip	1			
<b>Choose two from the following (6 units):</b>	<b>Units</b>	<b>In Progress</b>	<b>Taken</b>	<b>Need</b>
EES 110: Invertebrate Paleontology	3			
<i>Pre-requisite: EES 1, or BIOL 1A and 1B, or BIOL 11, or BIOL 12</i>				
EES 114: Engineering Geology	3			
<i>Pre-requisite: EES 1 and MATH 5 or 72 or 75</i>				
EES 117: Hydrogeology	3			
<i>Pre-requisite: EES 1; MATH 72 or 75 (EES 124 and MATH 76 recommended)</i>				
EES 124: Geochemistry	3			
<i>Pre-requisite: CHEM 1A &amp; 1B; EES 1 or 15 (EES 12 and 101 recommended)</i>				
GEOG 111: Meteorology	3			
<i>Pre-requisite: MATH 75 (or equivalent) and GEOG 5 (or equivalent)</i>				

General Education requirements: 51 units

Electives/Remaining unit requirements: 2 units

Total: 120 units

\*Course may be used to fulfill General Education

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.

\*\* See Advising Notes in catalog