

Bachelor of Arts in Natural Sciences Degree Program  
**Chemistry Option**  
 Catalog Year 2012-2013

<b>Core Requirements:.....36 units</b>	<b>Taken</b>	<b>In Progress</b>	<b>Need</b>
<u>Biology.....12-13 units</u>			
Biol 1A (Biosci 1A): Introductory Biology I 4 units	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Biol 1B (Biosci 1B): Introductory Biology II 5 units	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Biol 101 (Biosci 130): General Ecology 3 units <i>Prerequisites: BIOL 1A and 1B; PSYCH 42 or MATH 101</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>Chemistry.....10 units</u>			
Chem 1A: General Chemistry I 5 units	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Chem 1B: General Chemistry II 5 units	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>Geology.....8 units</u>			
EES 1 (Geol 1): Physical Geology 3 units	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
EES 168 (Geol 168): Geology of California 3 units	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>Natural Science.....3 units</u>			
N Sci 106: The Nature of Science 3 units	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>Physical Science.....4 units</u>			
P Sci 21: Astronomy 4 units	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
 <b>Option: Chemistry.....35-36 units</b>			
Phys 2A: General Physics I 4 units..... <i>Prerequisite: DS 71 or MATH 75</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Phys 2B: General Physics II 4 units.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Math 75 Mathematics Analysis I 4 units..... <i>Calculus Readiness Test required</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Math 76: Mathematical Analysis II 4 units.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Chem 128A: Organic Chemistry 3 units..... <i>Prerequisites: Chem 1B with grade C or better</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Chem 102: Analytical Chemistry 5 units <i>Prerequisite: Chem 1B; Chem 128A</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>or</i> .....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Chem 105: Quantitative Analysis Laboratory 4 units <i>Prerequisite: Chem 1A</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Chem 108: Introductory Physical Chemistry 4 units..... <i>(Fall Semester) Prerequisites: Math 76; Chem 8 or 128A; and Phys 2A and 2B or 4A, 4AL, 4B, 4BL, and 4C</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Chem 128B: Organic Chemistry 3 units..... <i>Chem 128A with a grade of C or better</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Chem 129A: Organic Chemistry Lab 2 units..... <i>Prerequisite or corequisite: Chem 128A</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Chem 150: General Biochemistry 3units <i>Prerequisite: CHEM 8 or CHEM 128A and 128B</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>or</i> .....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Chem 155: Fundamentals of Biochemistry <u>3 units</u> <i>(Fall Semester) Prerequisite: CHEM 128B</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
 <b>General Education Requirements.....51 units</b>			
<b>Electives and remaining degree requirements..... 9-10 units</b>			
<b>Total 120 units*</b>			

See advising notes in catalog.