

Org-Type	Higher-Education-based		
Lead	California State University Fullerton	PoC	Victoria Costa
PoC-Phone	714-278-2307	PoC-Email	vcosta@fullerton.edu
Address	800 N State College, Fullerton, CA 92834		
URL	<a href="http://nsm.fullerton.edu/scied/Minor_Nat_Science.htm">http://nsm.fullerton.edu/scied/Minor_Nat_Science.htm</a>		
Service-Region	Southern California		
Type	Student Program		
Subjects	General Science   Biology   Chemistry   Physics   Earth Science		
Level	Undergraduate		
Other-Objectives			
Served-per-Year	100	Demographics	
Content	<p>CSUF offers a Minor in Natural Sciences that should be considered by all prospective elementary teachers as well as potential middle school science teachers. By completing the minor, future teachers: Gain additional preparation in science content areas; Learn about important and current concepts and issues in science; and Prepare for teaching earth, life, and physical science in middle schools. The minor readily combines with any major when the student carefully selects the appropriate lower division general education classes. Assuming efficient lower division GE science selections, the minor may require only 9-11 units of additional coursework.</p>		
Outcomes	<p>The primary objective for students pursuing the Natural Sciences Minor is as a stepping stone to teaching middle school science There are two credential pathways to middle school science teaching: Candidates may earn a Multiple Subject Credential and add the Foundational Level General Science Credential by passage of #118 and #119 CSET Subtests AND successful completion of EDSC 542S Advanced Methods of Teaching Middle School Science (offered each summer) Candidates earn a Single Subject Credential in Foundational Level General Science by completing the single subject credential program. The Minor in Natural Sciences helps prepare candidates in content areas of CSET subtests: #118 Subtest I General Science: Astronomy; Dynamic Processes of the Earth; Earth Resources; Waves; Forces and Motion; Electricity and Magnetism #119 Subtest II General Science: Ecology; Genetics and Evolution; Molecular Biology and Biochemistry; Cell and Organismal Biology; Heat Transfer and Thermodynamics; Structure/Properties of Matter</p>		
Started	2006	Funded-Through	no end date
Length	Ongoing	Cost	It is part of the undergraduate education program at Cal State Fullerton.
Primary-Funding	Government   Other	Primary-\$	State support and student fees comprise 100% of the cost.
Materials	Program participants receive academic advisement and career advisement.		
Other-Funding	No.		
How-Assessed	By the number of persons that complete the program and continue on to earn their science teaching credential.		
Best-Practice-Why	Yes, it is a model program. There are few such minors in the California education system and it provides participants with a solid foundation in general science.		
Promising-Practice	Yes		
Sponsor	Victoria Costa	Sponsor-Org	California State University Fullerton
Sponsor-Phone	714-278-2307	Sponsor-Email	vcosta@fullerton.edu
Other-Orgs			