

APPLICATION FOR THE GEOLOGY MINOR

Student's Name _____ EMPL ID _____ Major _____
 Email _____ Phone _____

24 MINIMUM REQUIRED UNITS ARE DEFINED AS FOLLOWS:

GEOLOGY MINOR REQUIRED COURSES

Prefix	Number	Title	Units
GEOL	201	Physical Geology	3
GEOL	241	Physical Geology Laboratory	1
ERSC	223	Rocks and Minerals	4
GEOL	415	Structural Geology	4
Total Required Courses/Units			12

GEOLOGY MINOR ELECTIVES

In consultation with a geology faculty member a student can tailor the remaining twelve (12) units to their interests from the following courses:

Prefix	Number	Title	Units
ERSC	323	Geomorphology	4
GEOL	301	Physical Models in the Geosciences	4
GEOL	303	Computation and Visualization in the Geosciences	3
GEOL	305	Introduction to Seismology and Earth Structure	4
GEOL	309	Igneous Petrology	3
GEOL	311	Metamorphic Petrology	3
GEOL	330	Principles of Stratigraphy	4
GEOL	400	Special Problems for Advanced Undergraduates (Limited to 2 units)	1-2
GEOL	401	Field-geology Methods	4
GEOL	402	Geologic Mapping	4
GEOL	420	Applied Geophysics	3
Total Elective Units			12

_____ Approved _____ Denied

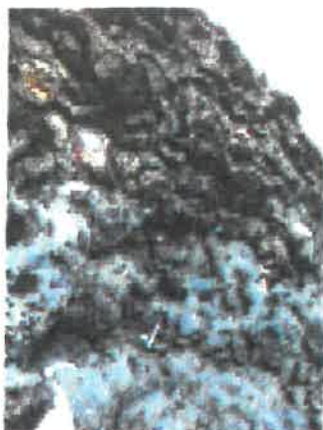
Signature: Geology Advisor

Date

Signature: Chair, Physics Department

Date

Minor in Geology at Cal Poly 2009-2011, 2011-13, 2013-15 and 2015-17



Antonio F. Garcia, John J. Jasbinsek, Scott C. Johnston

The Minor in Geology is designed to prepare Earth Science or Soil Science majors for geotechnical work within environmental consulting firms or policy-making government agencies. It also offers the best preparation that Cal Poly can offer to students choosing to pursue graduate study in Geological Sciences. The Minor in Geology is open to all Cal Poly students who can accommodate the coursework into their schedules. We strongly encourage all students with an interest in geological sciences to pursue the Minor in Geology.

The Minor in Geology emphasizes field-based study. Students will learn the fundamentals of collecting field-geologic data by studying the spectacular Geology of San Luis Obispo County and other parts of California. Students will also learn how to communicate the results of field study through written and spoken communication. In addition, the Minor in Geology helps students to better understand geologic processes by studying geologic features in the field.

Please visit the Physics Department (180-204) or Tony Garcia, Geol. Minor Advisor (180-607) for more information.

Summary of Educational Objectives

- Fundamentals of structural geology, sedimentology, and field geology.
- Fundamental methods of collecting geologic data.
- Recognition of geological processes as recorded in geologic features and materials.
- Communication of results of field-based investigation.
- Development of an understanding of geology necessary to critically assess the geologic components of geotechnical and environmental impact studies.

Prerequisites for the minor are SS 121, CHEM 111 or CHEM 125 or CHEM 128, and PHYS 132.

Required Courses.

	<i>Units</i>	<i>Offered</i>
GEOL 201 Physical Geology	3	Fall/Wntr/Spr
GEOL 241 Physical Geology Laboratory	1	Fall/Spr
GEOL 305 Fundamentals of Seismology	4	varies
GEOL 415 Structural Geology	4	Fall
GEOL/ERSC 401 Field-Geology Methods	4	Winter
GEOL/ERSC 402 Geologic Mapping	4	Spring*
ERSC 223 Rocks and Minerals	4	Winter
ERSC 323 Geomorphology	4	Fall/Spring

Total Units

28

*instruction occurs in the field during
Spring break