

# Geology

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(See also [Geography](#) and [Oceanography](#))

## GEOL 100 INTRODUCTION TO GEOLOGY

An introduction to Earth materials, landforms, and the processes that shape the Earth. Course includes the study of rocks and minerals, plate tectonics, volcanoes, earthquakes, and surface processes such as landslides, rivers, and glaciers. *Grade Option (Letter Grade or Pass/No Pass). Degree Credit.*

**Units:** 3

**Hours/semester:** 48-54 Lecture; 96-108 Homework

**AA/AS Degree Requirements:** Area B1

**Transfer Credit:** CSU (CSU GE Area B1), UC (IGETC Area 5A)

**C-ID:** GEOL 100; GEOL 101 - GEOL 100 & 101 must be taken

## GEOL 101 GEOLOGY LABORATORY

An introduction to earth materials through the identification of minerals and rocks. Interpretation of geologic processes and landforms by analyzing maps and other data. Includes the study of plate tectonics, geologic time, and surface processes such as rivers, groundwater and glaciers. Field trips may be required. *Grade Option (Letter Grade or Pass/No Pass). Degree Credit.*

**Units:** 1

**Hours/semester:** 48-54 Lab

**Prerequisites:** Completion of, or concurrent enrollment in GEOL 100

**AA/AS Degree Requirements:** Area B3 - only if GEOL 100 is successfully completed prior to or concurrently with GEOL 101

**Transfer Credit:** CSU (CSU GE Area B3 - only if GEOL 100 is successfully completed prior to or concurrently with GEOL 101), UC (IGETC Area 5C\*)

**C-ID:** GEOL 100L; GEOL 101 - GEOL 100 & 101 must be taken

## GEOL 121 EARTH SCIENCE

An interdisciplinary study of the planet Earth, stressing the interconnectedness of Earth systems. Topics include Earth materials, geologic processes and landforms, atmosphere processes, the hydrosphere, ocean characteristics and processes, Earth/Sun relationships, and the Solar System. A fieldtrip may be required. *Grade Option (Letter Grade or Pass/No Pass). Degree Credit.*

**Units:** 4

**Hours/semester:** 48-54 Lecture; 48-54 Lab; 96-108 Homework

**AA/AS Degree Requirements:** Area B1, B2, B3

**Transfer Credit:** CSU (CSU GE Area B1, B2, B3), UC (IGETC Area 5A, 5C)

**C-ID:** GEOL 121

## GEOL 695 INDEPENDENT STUDY

Designed for students who are interested in furthering their knowledge via self-paced, individualized instruction provided in selected areas or directed study to be arranged with instructor and approved by the division dean using the Independent Study Form. Varying modes of instruction can be used -- laboratory, research, skill development, etc. For each unit earned, students are required to devote three hours per week throughout the semester. Students may take only one Independent Study course within a given discipline. *Grade Option (Letter Grade or Pass/No Pass). Degree Credit.*

**Units:** 0.5 - 3

**Hours/semester:** 24-162 Lab

**Transfer Credit:** CSU

