

## GEOLOGY (GEOL)

### About the program

Geology is the study of Earth using scientific methodology and observation to understand the processes and phenomena that shape the planet over time. It is an interdisciplinary approach that uses the fundamental concepts of biology, chemistry, and physics to investigate landforms and the internal processes of Earth.

The associate in science in geology for transfer degree provides a student with the general requirements for transferring to a CSU or other four-year school to earn a degree in geology, geophysics, or similarly named earth science field. This program includes eight units of geology course work, two semesters of chemistry, and a two semesters of calculus. Although it is not required, students are also encouraged to take two semesters of physics that is typically required for 4-year degree in geology.

### Degrees/Certificates within this Program:

- Associate in Science in Geology for Transfer

### Transfer Opportunities

Learn more about transferring with an Associate Degree for Transfer at [www.adegreewithaguarantee.com](http://www.adegreewithaguarantee.com) and [www.redwoods.edu/transfer](http://www.redwoods.edu/transfer)

### For more information

- Counseling & Advising, 707-476-4150

### Associate in Science in Geology for Transfer

	Units	CSU GE	IGETC Area	C-ID Descriptor
<b>Required Core</b>	<b>26.0</b>			
GEOL 1* Physical Geology with Lab	4.0	B1, B3	5A, 5C	GEOL 101
GEOL 2* Historical Geology with Lab	4.0	B1, B3	5A, 5C	GEOL 111
CHEM 1A* General Chemistry and CHEM 1B General Chemistry	5.0 5.0	B1, B3	5A, 5C	CHEM 110 CHEM 120S
MATH 50A* Differential Calculus	4.0	B4	2A	MATH 210
MATH 50B Integral Calculus	4.0			MATH 220
<b>Total Units for the Major:</b>	<b>26.0</b>			
General Education (CSU GE or IGETC) units:		39.0	37.0	
Elective (UC or CSU Transferable) units:		as needed to complete 60 units total		
Total Degree Units (maximum):		60.0	60.0	

\* Course may be double counted toward General Education.

### Suggested Program Sequence

For information about the program length and suggested sequence of courses for this degree, please see an Academic Advisor.

### Program Learning Outcomes

- Apply methods of scientific inquiry to investigate the natural world.
- Collect and analyze data, and synthesize this information into clear reports.
- Apply mathematical concepts to solve real-world problems and applications.
- Apply geologic principles to describe how earth materials and landscapes change over time.
- Describe the basic elements of plate tectonic theory.