

2023-2024

Associate in Science in Geology for Transfer

Complete the following program of study. (Major C.6001.AS-T) Major requirements (27 units minimum).

Students will apply basic geological principles and skills to complex earth science problems in order to investigate, understand, and communicate effectively about current real-world problems. They will synthesize information from a variety of physical science disciplines to solve geologic problems, including identifying, describing, and classifying earth materials, formations, and structures and interpreting them in terms of geologic processes. Students will develop and demonstrate analytical and critical thinking skills required for transfer to a four-year geology, earth science, planetary science, or similar program.

Name: _____ Student ID: _____ Date: _____

Course Overview and Selection

Required Core Courses:

Course	Course Description	Units	C-ID	Completed	In Progress	Planned
GEOL 1	Physical Geology	4	GEOL 101			
GEOL 2WL	Historical Geology with Lab	4	GEOL 111			
CHEM 1A and CHEM 1B	General Chemistry (5) and General Chemistry and Qualitative Analysis (5)	10	CHEM 120S			
MATH 5A and MATH 5B	Math Analysis I (5) and Math Analysis II (4)	9	MATH 210 and MATH 220			

Total units for major does not include required general education or pre-requisite courses.

Notes:

- Certification of either the California State University General Education Breadth (CSU GE-Breadth) or the Intersegmental General Education Transfer Curriculum (IGETC-CSU version) is required. CSU GE- Breadth and IGETC advising sheets are available in Student Services, AC2-133 or online at CCC GE (CSU/UC) GE and Major Sheets.
- Courses may double count in the major and CSU GE-Breadth or IGETC.

To see what CSU campuses accept this degree go to www.icangotocollege.com.

Program Learning Outcomes:

1. Identify, describe, and classify earth materials, formations, and structures and interpret them in terms of geologic processes.
2. Synthesize information from a variety of physical science disciplines to solve geologic problems.
3. Develop and demonstrate analytical and critical thinking skills required for transfer into a four-year geologic science program.

Possible career opportunities:

Geologists work in exploration for oil, natural gas, coal and uranium for energy, and for metals used in everyday life. They search for clean sources of groundwater for drinking and agriculture (hydrology). They seek to understand geologic hazards and how to mitigate them (seismology, flood and landslide control, and volcanology). They work to monitor and clean up pollutants in soil, groundwater, and surface water. They assess site readiness for development (engineering geology, paleontology). They also design and manage satellite-based missions to study Earth and other planets in the solar system (planetary geology). Many career options may require more than two years of college study.

To obtain the Associate in Science in Geology for Transfer Degree, students must complete the following requirements:

1. Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
 - a. The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education – Breadth requirements.
 - b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0. Associate Degrees for Transfer (ADTs) also require that students must earn a “C” grade or better in

Comments: