

DEGREES & CERTIFICATES

GEOLOGY ASSOCIATE IN SCIENCE FOR TRANSFER (AS-T)

About the Program

The Las Positas College Geology program offers courses that lead to an Associate in Science in Geology for Transfer degree. The major requirements for the Associate in Science in Geology for Transfer degree align with the Intersegmental Transfer Model Curriculum (TMC) for Geology. Students will have guaranteed admission to a California State University (CSU) campus upon successful completion of the program requirements. Students should consult with a counselor to determine whether this degree is the best option for their transfer goals. General education requirements should be selected carefully based on the intended transfer institution.

Program Goals and Objectives

The Associate in Science in Geology for Transfer degree is designed to prepare students for a seamless transfer into the CSU system to complete a baccalaureate degree in Geology. The Associate in Science in Geology for Transfer degree is designed to provide students with the common core of lower division courses required to transfer and pursue a baccalaureate degree in Geology.

Career Opportunities

Geologic specialties include geologic mapping, earthquakes and seismology, vulcanology, hydrology, earth resources and acquisition/use impacts (e.g., pollution and deforestation), paleontology, glaciology, petrology and mineralogy, mass wasting (landslides and slope stability), marine geology (e.g., beaches), paleoclimatology, soil science, extra-terrestrial geology (the geology of other planets), etc. Geologists typically work in the fields of geologic planning and/or hazard evaluation or in the fields of environmental sciences and/or environmental studies, and/or for engineering companies, or for mining companies, or for various research universities or laboratories (e.g., Sandia or LLNL), or for different governmental offices such as the USGS (United States Geological Survey), CGS (California Geological Survey), NOAA (National Atmospheric and Oceanic Administration), NASA, EPA, US Army Corps of Engineers, etc.

Program Outcomes

- Upon completion of the AS-T in Geology, students are able to demonstrate proficiency in basic earth processes (e.g., plate tectonics).
- Upon completion of the AS-T in Geology, students are able to demonstrate proficiency in the evaluation and identification of basic earth materials (e.g., rocks and minerals).

Completion 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 CA 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 (ADT's) also require that students must earn a "C" (or "P") or better in all courses required for the major or area of emphasis.

Required Core: (28 units)

CHEM 1A General College Chemistry I.....	5
CHEM 1B General College Chemistry II.....	5
GEOLOG 1 Physical Geology.....	3
GEOLOG 1L Physical Geology Laboratory.....	1
GEOLOG 2 Historical Geology.....	4
MATH 1 Calculus I.....	5
MATH 2 Calculus II.....	5

Total Units in the Major.....28

Additional General Education and Elective Units..... 32