

The Associate in Science-Transfer (AS-T) degree in Geology at Crafton Hills College is designed to meet the needs of students transferring to a California State University who intend to major in Geology or a related field of study.

The following are required for all AA-T and AS-T degrees:

1. Complete 60 CSU-transferable semester units.
2. Minimum grade point average (GPA) of at least 2.0 in all CSU-transferrable coursework. (While a minimum of 2.0 is required for admission, some majors may require a higher GPA. Please consult with a counselor for more information.)
3. **Completion of a minimum of twenty-nine (29) semester units with a "C" or better in all courses** required for this major.
4. **Certified completion of the California State University General Education-Breadth pattern (CSU GE Breadth) OR the Intersegmental General Education Transfer Curriculum-CSU (IGETC-CSU) pattern general education requirements.**

Required Courses:		Units	IP	Need	Grade
GEOL 100 or 100H OR GEOL 160 and GEOL 101 or 101H	Physical Geology or Geology Laboratory and Introduction to Geology	4			
GEOL 112	Historical Geology	4			
GEOL 150 or 150H	Contemporary Geology: Hazards, Resources and Environmental Concerns	3			
CHEM 150 or 150H	General Chemistry I	5			
CHEM 151 or 151H	General Chemistry II	5			
MATH 250	Single Variable Calculus I	4			
MATH 251	Single Variable Calculus II	4			
Total Required Units:		29			

The following courses and field experiences including GEOL 170, 175, 180, 181, 190, and 270 are not required to earn the degree but are recommended for students preparing to major in geology at a four-year institution:

Recommended Courses:		Units	IP	Need	Grade
BIOL 100	General Biology	4			
MATH 252	Multivariable Calculus	5			
PHYSIC 250	College Physics I	4			
PHYSIC 251	College Physics II	4			
PHYSIC 251	College Physics III	4			
<i>Students may substitute PHYSIC 200-201 in lieu of PHYSIC 250, 251, 252. See a counselor for details.</i>					
Total Recommended Units:		21			

Prospective transfer students should complete the general education and lower division requirements of the school to which they will be transferring (IGETC or CSUGE Breadth). See a counselor for details. Information is also available at www.assist.org.

A student receiving a degree in this field will be able to:

- Demonstrate an understanding of the types of plate tectonic boundaries and the typical features associated with those boundaries, such as volcanoes and earthquakes.
- Utilize critical thinking skills to interpret, apply and/or evaluate an Earth Science topic, such as the concept of scale
- Students will be able to collect, analyze and interpret information and clearly articulate the results through their writing, speech or other acceptable style of presentation
- Display knowledge in the basic areas of Earth Science that are appropriate to each Earth Science course