

GEOLOGY – ASSOCIATE IN SCIENCE DEGREE FOR TRANSFER TO CSU

Top Code:

1914.00

The Associate in Science Degree in Geology for Transfer provides a foundation in the physical sciences necessary for continued training at the upper division level for geology majors. It is a starting point for students who are preparing for careers in education, geoscience research, and government, where scientific and technical skills are in great demand.

All courses must be completed with a grade of C or better. All courses must be numbered 001–099. Students must complete a minimum of 28 units, as set forth below. Additional CSU transferable units may be used to reach the 60 unit maximum for the degree if necessary.

The Associate in Science Degree in Geology for Transfer degree will be awarded upon completion of coursework totaling 60 California State University (CSU) transferable units including the above major requirements and the Intersegmental General Education Transfer Curriculum (IGETC-CSU) or California State University General Education (CSUGE) requirements with a minimum grade point average of 2.0. All courses in the major must be completed with a grade of “C” or better, or P if the course is graded on a P/NP basis. (Students completing this degree are not required to fulfill additional PCC graduation requirements.)

Program Outcomes

- Demonstrate an understanding of the physical structure and morphology of the earth and operation of earth systems through the plate tectonic paradigm.
- Articulate the general physical and biological history of the Earth through time.
- Identify and classify earth materials, and demonstrate an understanding of their chemical makeup.

Associate in Science Degree in Geology for Transfer

Code	Title	Units
Required Core		
GEOL 001	PHYSICAL GEOLOGY	4
GEOL 002	HISTORICAL GEOLOGY	4
CHEM 001A	GENERAL CHEMISTRY AND CHEMICAL ANALYSIS I	5
CHEM 001B	GENERAL CHEMISTRY AND CHEMICAL ANALYSIS	5
MATH 005A	SINGLE VARIABLE CALCULUS I	5
	or MATH 005A/HONORS SINGLE VARIABLE CALCULUS I	
MATH 005B	SINGLE VARIABLE CALCULUS II	5
	or MATH 005B/HONORS SINGLE VARIABLE CALCULUS II	
Required Subtotal		28

CSU General Education or IGETC CSU Pattern

37-39

Transferable Electives (as needed to reach 60 transferable units)

Degree Total

60

Visit the Program Mapper (<https://pasadena-city.programmapper.ws/academics/interest-clusters/35afad1b-8598-4ecf-a320-0ed4834a7df8/programs/f153e13a-f4d5-4da7-8d32-25beecd695be/>) for a suggested sequence of courses.

General Education Requirements for the Associate in Science Degree for Transfer

- General Information (<https://curriculum.pasadena.edu/academic-programs-leading-degree-certificate/>)
- CSU Breadth (<https://curriculum.pasadena.edu/academic-programs-leading-degree-certificate/#csubreadthtext>)
- IGETC (<https://curriculum.pasadena.edu/academic-programs-leading-degree-certificate/#igetctext>)