

# GEOLOGY, ASSOCIATE IN SCIENCE DEGREE FOR TRANSFER

**Banner Code:** 3\_AST\_GEOL

**Control Number:** 38603

**Financial Aid Eligible**

The Geology Associate in Science for Transfer is designed to foster in students an understanding of the Earth: the processes that affect its surface and interior, its formation and evolution through time, and its functioning as the physical environment for the living world. Geology students build critical thinking, research, and knowledge application skills that are useful in a variety of fields.

Associate Degrees for Transfer (AA-T or AS-T) are open to all Coastline students. Students who do not plan on transferring to a California State University school should consult their Counselor regarding the benefits of an AA-T/AS-T degree based on their goals. Students earning an AA-T or AS-T and intending on transferring to a California State University school receive transfer admission benefits for specific majors at many California State University campuses. Visit the Transfer Information (<https://catalog.cccd.edu/coastline/transfer-information/>) catalog page for more information.

## Program Level Student Learning Outcomes

Upon completion of this program, students will be able to:

1. Communicate scientific concepts effectively in written and/or oral forms
2. Find, select, and evaluate scientific information present in primary research literature, mass media, online, or other sources.
3. Design and apply the process of science to address a hypothesis in a laboratory setting.

## Associate Degree for Transfer Requirements

1. Minimum of 60 CSU-transferable semester units. A minimum of 12 units must be in residence within Coast Colleges (Coastline College, Golden West College, and/or Orange Coast College).
2. Minimum grade point average (GPA) of at least 2.0 in all CSU-transferable coursework.
3. Completion of a minimum of 18 semester units in an Associate Degree for Transfer major as detailed in the catalog.
4. Certified Completion of the California State University General Education-Breadth pattern (CSU GE Breadth - Coastline's Option 2 General Education pattern), OR the Intersegmental General Education Transfer Curriculum (IGETC - Coastline Option 3 General Education pattern).

Course	Title	Units
<b>Required Core</b>		
Complete the following:		
GEOL C105	General Geology	3

Course	Title	Units
GEOL C105L	Geology Lab	1
GEOL C185	Historical Geology	3
GEOL C185L	Historical Geology Lab	1
CHEM C180	General Chemistry A	4
CHEM C180L	General Chemistry A Lab	1
CHEM C185	General Chemistry B	4
CHEM C185L	General Chemistry B Lab	1
MATH C180	Calculus 1	5
MATH C185	Calculus 2	5
Units Required for Major		28
CSU General Education or IGETC pattern		37-39
Transfer Electives as needed to reach 60 transferable units		Varies
<b>Total Units</b>		<b>60</b>