

# GEOLOGY (AS-T DEGREE S0670)

---

## Natural Sciences Division

### Degree S0670

Mt. San Antonio College Associate in Science in Geology for Transfer degree includes such topics as mineral and rock identification, earthquakes, plate tectonics, history of geological and evolutionary change, volcanism, climate change and geomorphology. The Associate in Science in Geology prepares students with the foundational knowledge necessary to pursue post-secondary degrees in geology and careers with a variety of specializations in the geosciences. The Associate in Science in Geology is designed to assist students in seamlessly transferring to a CSU major in Geology.

To earn an Associate in Science in Geology for Transfer, a student must complete a minimum of 60 semester units that are eligible for transfer to the CSU system that consist of the IGETC pattern or CSU GE breadth and a major of at least 18 units more. Students must have a minimum GPA of 2.0 in all CSU-transferable coursework to receive an associate degree for transfer and all courses in the major must be completed with a C or better. Students earning an associate degree for transfer will not be required to complete any other local graduation requirements.

## Required Courses

Course Prefix	Course Name	Units
CHEM 50	General Chemistry I	5
or CHEM 50H	General Chemistry I - Honors	
CHEM 51	General Chemistry II	5
or CHEM 51H	General Chemistry II - Honors	
GEOL 1	Physical Geology	4
GEOL 2	Historical Geology	4
MATH 180	Calculus and Analytic Geometry I	4
MATH 181	Calculus and Analytic Geometry II	4
<b>Total Units</b>		<b>26</b>

## Program Learning Outcomes

Review Student Learning Outcomes (SLOs) (<http://www.mtsac.edu/instruction/outcomes/sloinfo.html>) for this program.