

GEOLOGY, ASSOCIATE IN SCIENCE FOR TRANSFER

The Associate in Science in Geology for Transfer degree (AS-T in Geology) provides students with sufficient understanding of geologic concepts to attain upper-division status to transfer into the CSU system. Successful completion of the AS-T in Geology at Monterey Peninsula College guarantees the student acceptance to a California State University (but does not guarantee acceptance to a particular campus or major) to pursue a baccalaureate degree in Geology or related major, in preparation for a career in research, industry, and education. Students must complete the Associate Degree for Transfer requirements to earn the AS-T degree.

Learning Outcomes

Upon successful completion of the program, students will be able to:

- Use observations of outcrops and/or landscape morphology to interpret basic geologic history and processes.
- Explain Earth features in terms of surficial processes, tectonics, and human influence.
- Use the scientific method to investigate phenomena in the natural world and use concepts, experiments, and/or theory to explain them.

Associate in Science for Transfer Degree Major Requirements

Code	Title	Units
Required Core		
CHEM 1A	General Chemistry I	5
CHEM 1B	General Chemistry II	5
GEOL 2 & GEOL 2L	Physical Geology and Physical Geology Laboratory	4
GEOL 3 & GEOL 3L	Historical Geology and Historical Geology Lab	4
MATH 20A	Calculus with Analytic Geometry I	4
MATH 20B	Calculus with Analytic Geometry II	4
TOTAL MAJOR UNITS		26
Additional Requirements		34
Complete CSU General Education or IGETC pattern and electives, if needed, for a total of 60 transferable units.		
Total Units		60

Please refer to the graduation requirements section of the Catalog for information about degree and certificate requirements including Reading and Writing, Mathematics, Information Competency, and General Education requirements.

The model sequence of coursework below is one pathway for students to complete the program. The information below is not an official educational plan. An MPC Counselor can assist you with creating a personalized education plan based on your academic, career, and personal goals. Visit MPC's Counseling website for more information about Counseling and up-to-date program requirements.

Suggested 2-Year Course Sequence

Year 1		
Fall		Units
ENGL 1A or ENGL 1AE	College Composition or College Composition: Enhanced	3
MATH 20A	Calculus with Analytic Geometry I	4
GEOL 2 & GEOL 2L	Physical Geology and Physical Geology Laboratory	4
IGETC Area 4 (US-1 Course Recommended)		3
Units		14
Spring		
ENGL 2	Argumentative Writing and Critical Thinking	3
CHEM 1A	General Chemistry I	5
MATH 20B	Calculus with Analytic Geometry II	4
IGETC Area 5B (BIOL 31 Recommended)		3
Units		15
Year 2		
Fall		
SPCH 1 or SPCH 2	Public Speaking (CSU Requirement) or Small Group Communication	3
CHEM 1B	General Chemistry II	5
IGETC Area 3A		3
IGETC Area 4 (US-2 & 3 Course Recommended)		3
Units		14
Spring		
GEOL 3	Historical Geology	3
GEOL 3L	Historical Geology Lab	1
IGETC Area 3B		3
IGETC Area 3A or 3B		3
IGETC Area 7		3
IGETC Area 6 (UC Requirement) or Electives (ANTH 4 Recommended)		4
Units		17
Total Units		60

MPC transfer programs are designed to enable students to complete lower-division requirements in preparation for transfer to a baccalaureate-granting institution.

The Student Transfer Achievement Reform Act (Senate Bill 1440, codified in California Education Code sections 66746-66749) guarantees admission to California State University (CSU) system for any community college student who earns an Associate Degree for Transfer (ADT), although not to a particular campus or major. Upon transferring to a CSU campus that accepts the Associate in Arts for Transfer (AA-T) or Associate in Science for Transfer (AS-T), students will be required to complete no more than 60 upper-division units to earn a bachelor's degree in a same or similar major (unless designated as a "high-unit" major).

The following Associate Degree for Transfer requirements must be completed to earn the AA-T or AS-T degree:

- a. Minimum of 60 CSU-transferable semester units;
- b. Minimum grade point average (GPA) of 2.0 in all CSU-transferable coursework (while a minimum of 2.0 is required for admission, some majors may require a higher GPA);
- c. Completion of a minimum of 18 semester units as detailed in the Major Requirements;
- d. Completion of all courses in the major with a grade of C or better (or a "P" if the course is taken on a "Pass/No Pass" basis);
- e. Certified completion of the California State University General Education-Breadth pattern (CSU GE-Breadth) pattern; OR the Intersegmental General Education Transfer Curriculum (IGETC) pattern.

All students should consult with a Counselor to discuss transfer pathways and specific university admission requirements. Visit MPC's Counseling website for more information about Counseling services provided by MPC and to connect with a Counselor.