Moorpark College
Associate in Science in Geology (AS-T)

Program Goals and Objectives

The main goal and objective of the Associate in Science degree in Geology for Transfer Degree (AS-T in Geology) is to provide an alternative path to students who wish to transfer to a CSU campus as a Geology major. The degree also serves the diverse needs of students who wish to obtain a broad and an in-depth understanding of the Geology field.

Students who complete Geology courses will be able to apply the principles of Earth system science and plate tectonic theory to describe and explain Earth's materials, landscapes, natural hazards, and dynamic history. Geology is a multidisciplinary science that applies the concepts of biology, chemistry, physics and mathematics to the natural world around us.

Program Student Learning Outcomes

Upon completion of this program, a student will be able to:

- apply the principles of Earth system science and plate tectonic theory to describe and explain Earth's materials, landscapes, natural hazards, and dynamic history.
- analyze scientific data to make interpretations, propose hypotheses, or analyze existing hypotheses.

Catalog Description

The Associate in Science in Geology for Transfer (AS-T in Geology) is intended for students who plan to transfer and complete a bachelor's degree in Geology, or a "similar" major at a CSU campus. Each CSU campus determines which of the degrees it offers are "similar" and can be completed with the preparation included in the AS-T in Geology within 60 units once a student transfers, so which majors are "similar" varies from CSU to CSU. For a current list of what majors (and what options or areas of emphasis within that major) have been designated as "similar" to this degree at each CSU campus, please refer to the CSU's Associate Degree for Transfer Major and Campus Search website and seek guidance from a Moorpark College counselor. Students completing this degree are guaranteed admission to the CSU system, but not to a particular campus or major.

To earn an AS-T in Geology degree, students must:

1. Complete a minimum of 60 semester or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
    a. The California General Education Transfer Curriculum (Cal-GETC) requirements.
    b. The required coursework for the AS-T in Geology as listed in the Moorpark College catalog.

2. Complete all courses in the major and the Cal-GETC with a grade of “C” or better or “Pass/Credit” if the course is taken on a "pass-no-pass" basis. Even though a “Pass/Credit" grade is allowed, it is highly recommended that students complete their major courses with a letter grade (A, B, or C). **Note:** the UC system allows a maximum of 14 semester (21 quarter) units of courses graded "Pass/Credit" toward the 60 transferable semester units required for transfer admission.

3. Obtain a minimum grade point average (GPA) of 2.0 in all CSU-transferable coursework. While a minimum GPA of 2.0 is required for admission, some transfer institutions and majors may require a higher GPA. Please consult with a counselor for more information.

4. Complete a minimum of 12 semester units within the Ventura County Community College District.

Students transferring to a CSU campus that does accept the AS-T in Geology will be required to complete no more than 60 units after transfer to earn a bachelor’s degree (unless the major is a designated “high-unit” major at a particular campus). This degree may not be the best option for students intending to transfer to a particular CSU campus or to a university or college that is not part of the CSU system. Students should consult with a counselor to obtain more information on university admission and transfer requirements.

Course ID	Title	Units/Hours
REQUIRED CORE COURSES		
GEOL M02	Physical Geology	3
or GEOL M02H	Honors: Physical Geology	
GEOL M02L	Physical Geology Lab	1
GEOL M03	Earth History	3
GEOL M03L	Earth History Lab	1
CHEM M01A	General Chemistry I	5
or CHEM M01AH	Honors: General Chemistry I	
CHEM M01B	General Chemistry II	5
MATH M25A	Calculus with Analytic Geometry I	5
or MATH M25AH	Honors: Calculus with Analytic Geometry I	
MATH M25B	Calculus with Analytic Geometry II	5
or MATH M25BH	Honors: Calculus with Analytic Geometry II	
Total Units for the Major		**28**

Course ID	Title	Units/Hours
Highly Recommended Preparation (Not part of the Transfer degree)		
GIS M01	Introduction to Geographic Information Systems	3
GEOL M18	Field Geology	1
Recommended Preparation (Not part of the Transfer degree) - Select two or more courses from the following		
ENSC M03	Energy Resources and Conservation	3
GEOL M05 & M05L	The World Ocean and The World Ocean Lab	3, 1
GEOL M61	Natural Disasters	3
GEOG M01 & M01L	Physical Geography and Physical Geography Lab	3, 1
GEOG M10	Geography of California	3
GIS M23	Introduction to Remote Sensing	3
STAT C1000	Introduction to Statistics	4
or STAT C1000H	Introduction to Statistics - Honors	
PHYS M20A & M20AL	Mechanics of Solids and Fluids and Mechanics of Solids and Fluids Laboratory	4, 1

Total Units for Major	**28**
General Education (Cal-GETC)	34
Double-Counted Units	7
Elective Units	5
Total Units for the AS-T Degree	**60**