

GEOLOGY (AS-T)

ASSOCIATE IN SCIENCE FOR TRANSFER (AS-T)

The Associate in Science Degree in Geology for Transfer prepares students for a successful transition to universities by developing critical thinking and communication skills through lecture, laboratory, and field based exercises. This student-centered program explores the history, structure, materials, and processes of the physical Earth, while supporting diversity, equity, and inclusion among its participants. This program will also provide students with a greater appreciation of the world around them and a clear understanding of the research, internship and career opportunities in geology-related fields.

Program Student Learning Outcomes

- Students apply the scientific method
- Students describe the role agents of erosion plays in shaping the earth's surface
- Students explain the relative motion between tectonic plates at each of the three types of plate boundaries
- Students identify rocks and minerals based on their physical properties
- Students recognize the role of the constructive and destructive forces in the shaping of the earth's surface
- Students use topographic maps to interpret the earth's surface

Program Requirements

Code Number	Course Title	Units
Required Core		
GEOL 101	Physical Geology	4.0
or		
GEOL 102 & 102L	Physical Geology Lecture and Physical Geology Laboratory (4)	
GEOL 201	Earth History	4.0
CHEM 111	General Chemistry	5.0
CHEM 112	General Chemistry	5.0
MATH 170	Analytic Geometry and Calculus I	4.0
MATH 190	Analytic Geometry and Calculus II	4.0
Total Units		26

ASSOCIATE IN SCIENCE FOR TRANSFER DEGREE REQUIREMENTS

- Completion of 60 semester units or 90 quarter units of degree-applicable courses,
- Minimum overall grade point average of 2.0,
- Minimum grade of "C" (or "P") for each course in the major, and
- Completion of IGETC and/or CSU GE-Breadth.