

GEOLOGY, ASSOCIATE IN SCIENCE

- analyze scientific data to make interpretations, propose hypotheses, or analyze existing hypotheses.

To earn an Associate in Science Degree with a major in Geology, students complete 46 specified units, plus General Education Degree Requirements. These major requirements optimize preparation for upper division course work for advanced degrees in Geology offered by four-year institutions. Since the course work in geology is sequential, students may spend less time earning an Associate and/or Bachelor's degree by deferring some of the university general education requirements until their junior and senior years and by giving priority to the requirements for a major in geology. In addition, earning this degree suggests an achievement of technical skills that may be helpful in seeking immediate employment.

In addition to General Education degree requirements, complete the following:

Course ID	Title	Units/ Hours
General Education		
Required Courses		
CHEM M01A/M01AH	General Chemistry I	5
CHEM M01B	General Chemistry II	5
GEOL M02/M02H	Physical Geology	3
GEOL M02L	Physical Geology Lab	1
GEOL M03	Earth History	3
GEOL M04	Mineralogy	4
MATH M25A/M25AH	Calculus with Analytic Geometry I	5
MATH M25B	Calculus with Analytic Geometry II	5
MATH M15/M15H	Introductory Statistics	4
Select one of the following:		5
PHYS M10A & M10AL	General Physics I and General Physics I Lab	5
PHYS M20A & M20AL	Mechanics of Solids and Fluids and Mechanics of Solids and Fluids Laboratory	5
Select one of the following:		5
PHYS M10B & M10BL	General Physics II and General Physics II Laboratory	5
PHYS M20B & M20BL	Thermodynamics, Electricity, and Magnetism and Thermodynamics, Electricity, and Magnetism Laboratory	5
Total Required Major Units: 45		
MC General Education Pattern: 28		
Double-Counted Units: 6		
Electives to meet 60 associate degree units: 0		
Total Required for the AS Degree: 67		

Upon successful completion of this program, students 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.