

GEOLOGY (AS)

Associate of Science

Transfer Program

Interest Areas:

















Science, Tech., Engr. and Math

This program is for students interested in pursuing a baccalaureate degree in Geology. Geology is the science that deals with the history of the earth and its life, especially as recorded in rocks. Small classes, excellent laboratories, and close proximity to classical geological field environs are especially well suited to providing the lower-division requirements for geology majors. A strong background in science and mathematics is important preparation for a college geology program.

Completion of the following courses results in an associate's degree with an area of emphasis in Geology. The required coursework normally fulfills the first half of baccalaureate degree requirements in Geology. Course selection should be tailored to match requirements defined by intended transfer institutions.

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=33)

Program Requirements

Code	Title	Credits
General Education Requirements		
GEM 1	Written Communication	6
GEM 2	Oral Communication	3
GEM 3	Mathematical Ways of Knowing ¹	0
GEM 4	Scientific Ways of Knowing ¹	0
GEM 5	Humanistic and Artistic Ways of Knowing	6
GEM 6	Social and Behavioral Ways of Knowing	6
GEM 7	Institutionally Designated	4-6
Program Requirements		
CHEM-111	Principles of General College Chemistry I   	5
CHEM-112	Principles of General College Chemistry II   	5
GEOL-101	Physical Geology  	4
GEOL-102	Historical Geology  	4
GEOL-255	Systematic Mineralogy	4
MATH-170	Analytic Geometry and Calculus I   	4
MATH-175	Analytic Geometry and Calculus II	4
PHYS-111	General Physics I   	4
PHYS-112	General Physics II	4
Total Credits		63-65

¹ This General Education Requirement is met by the Program Requirements.

Course Key



GEM



WCHE



AAS

Institutionally
Designated



Gateway



Milestone

Program Outcomes

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

- Apply foundational knowledge of geologic/geographic science including plate tectonics, geologic time, and the rock cycle to analyze or predict phenomena.
- Employ scientific methods and reasoning to critically evaluate assertions and identify Earth materials.
- Interpret and communicate geological or geographical information via written, spoken and/or visual representations such as geologic, meteorological, and topographic maps.
- Illustrate the interdependence between the human experience and deep time, geologic hazards, and lithospheric processes.
- Collect, analyze and interpret geologic/geographic data to form and test a hypothesis in the laboratory, classroom, or field using discipline-specific tools and techniques.

In addition to the program outcomes, students will meet the North Idaho College General Education (GEM) Requirements.