GEOLOGY, ASSOCIATE OF SCIENCE (409)

About Our Program

This program is intended to provide the first two years of a four-year baccalaureate program. Geology majors study the characteristics and features of the earth and the processes that shape them.

Nature of Work and Employment

The most common jobs people have one year after graduating with a baccalaureate degree in this major are Geologist, Science Technician, Secondary Teacher, and Environmental Scientist.

Special Considerations

Those interested in geology should have an aptitude for science and mathematics as well as a deep curiosity about the earth and its characteristics. The listed coursework is a recommendation only. Students should check with a student advisor for HCC graduation requirements and specific university requirements in this major. Students must meet with an advisor, and encouraged to meet with Geology and Biology faculty, to ensure that the special requirements of the department and institution to which they plan to transfer are met. Colleges and universities have specific requirements for transfer students.

Requirements

Associate of Science Requirements

Students must meet all requirements for the Associate of Science degree (https://catalog.highland.edu/programs-available/as-requirements/) in order to graduate from Highland Community College. For more information, please see your advisor.

Recommended Courses

The following are recommended courses for this major only.

Biology

Code	Title	Hours
BIOL 110	Principles of Biology	4

Chemistry

Code	Title	Hours
CHEM 123	General College Chemistry I [1]	5
CHEM 124	General College Chemistry II [1]	5

Geology

Code	Title	Hours
GEOL 126	Geology	4

Mathematics

Code	Title	Hours
MATH 250	Analytic Geometry/Calculus I [1]	5
MATH 255	Analytic Geometry/Calculus II [1]	5

Physics

Code	Title	Hours
Select one of the following:		8
PHYS 141 & PHYS 142	Introductory Physics I and Introductory Physics II [1]	
PHYS 143 & PHYS 144	General Physics I and General Physics II [1]	

[1] Course has a prerequisite. See course description.

Program Outcomes

- Students should be able to understand and employ aspects of scientific methodologies.
- Students should practice proper lab technique in compliance with relevant safety standards.
- Students should understand the fundamental uncertainties in experimental measurements inherent in different laboratory techniques and instrumentation.
- Students should be able to analyze data sets and communicate information in a clear and organized manner with presentations and properly cited written reports.
- Students should utilize peer-reviewed scientific literature effectively.
- Students should be able to work with peers in a team setting.
- Students should be able to relate contemporary societal and global issues to the physical and life sciences.

Program Contacts

Call Highland at 815-235-6121 for the following program contacts:

- Dr. Brendan Dutmer, Dean, Natural Science and Mathematics
- Steve Curran, Geography and Earth Science Faculty
- Beth Groshans, Student Advisor