

Geoscience / Geological Sciences BS at a Glance



Program Overview:

The Bachelor of Science Degree in Geosciences prepares students for careers and graduate study in geological, hydrological and atmospheric science fields, and is founded on a background in physical sciences. The Geological Sciences major encompasses the study of the history, structure and composition of the Earth, mineral and water resources, natural disasters and environmental concerns. It prepares students to become licensed Professional Geologists in the State of Florida, professional geologists in private consulting and resource industries.

Prerequisites:

ISC1056 First Seminar in Earth & Environment

CHM 1045 General Chemistry I and CHM 1045L
General Chemistry Lab I

CHM 1046 General Chemistry II and CHM 1046L
General Chemistry Lab II

GLY 1010 Physical Geology and GLY1010L Physical
Geology Lab

or

GLY 3039 Environmental Geology and GLY 3039
Lab

or

ESC 1000 & ESC 1000L Introduction to Earth
Sciences and Introduction to Earth Sciences Lab

BSC 2011 General Biology II and BSC 2011L General
Biology II Lab

or

GLY 1101 History of Life and GLY 1101L History of Life
Lab

MAC 2311 Calculus I

MAC 2312 Calculus II

PHY 2048 **or** PHY 2053 Physics I

PHY 2048L General Physics Lab I

PHY 2049 **or** PHY 2054 Physics II

PHY 2049L General Physics Lab II

Careers/Job Opportunities:

- Environmental Scientists and Specialists
- Geographic Information Systems Technicians
- Geologists
- Geophysical Data Technicians
- Hydrologists
- Mining and Geological Engineers, Including Mining Safety Engineers
- Petroleum Engineers
- Science Teachers, Postsecondary

Recommended Minors, Certificates, or Second Majors:

- Minor in Geology
- Minor in Chemistry
- Minor in Mathematics
- Minor in Computer Science
- Certificate in Applied Geographic Information Systems
- Certificate in Actuarial Studies
- Second Major in Natural and Applied Sciences

Advising Contact Information:

CASE STEM Advising Center
305-348- 2978
MMC: OE 164 | BBC: AC1 322A

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Helpful Links:

Department Website: <http://earthenvironment.fiu.edu>

CASE Advising Website: <http://caseadvising.fiu.edu>

MyMajor Website: <http://mymajor.fiu.edu>

College Requirements:

- *All majors in the college must complete 45 credits of upper division prior to graduation. Upper division courses are 3000/4000 level courses, major courses and outside electives can count towards this requirement.*
- *No 1 and 2-credit physical activity courses can be counted towards the 120 credits needed for graduation.*