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:

<table>
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<tr>
<th>Geology Courses</th>
<th>Chemistry Courses</th>
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<tr>
<td>ISC1056 First Seminar in Earth &amp; Environment</td>
<td>BSC 2011 General Biology II and BSC 2011L General Biology II Lab</td>
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<tr>
<td>CHM 1045 General Chemistry I and CHM 1045L General Chemistry Lab I</td>
<td>or GLY 1101 History of Life and GLY 1101L History of Life Lab</td>
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<td>CHM 1046 General Chemistry II and CHM 1046L General Chemistry Lab II</td>
<td>MAC 2311 Calculus I</td>
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<td>GLY 1010 Physical Geology and GLY1010L Physical Geology Lab</td>
<td>MAC 2312 Calculus II</td>
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<td>or GLY 3039 Environmental Geology and GLY 3039 Lab</td>
<td>PHY 2048 or PHY 2053 Physics I</td>
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<td>or ESC 1000 &amp; ESC 1000L Introduction to Earth Sciences and Introduction to Earth Sciences Lab</td>
<td>PHY 2048L General Physics Lab I</td>
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<td>PHY 2049 or PHY 2054 Physics II</td>
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<td>PHY 2049L General Physics Lab II</td>
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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.