

Geoscience/Atmospheric 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 Atmospheric Sciences major adds meteorological and climatological dimensions, and prepares students for graduate school or employment as a meteorologist in government or industry. It meets the undergraduate course work requirements for professional certification by the American Meteorological Society.

Prerequisites:

ISC1056 First Year Seminar in Earth & Environment
CHM 1045 General Chemistry I
CHM 1045L General Chemistry Lab I
CHM 1046 General Chemistry II
CHM 1046L General Chemistry Lab II
GLY 1010 Physical Geology and GLY1010L Physical
Geology Lab **or**
GLY 3039 Environmental Geology and GLY 3039L
Environmental Geology Lab **or**
ESC 1000 & ESC 1000L Introduction to Earth
Sciences and Introduction to Earth Sciences Lab

MAC 2311 Calculus I
MAC 2312 Calculus II
MAC 2313 Multivariable Calculus
MAP 2302 Differential Equations
PHY 2048 Physics with Calculus I
PHY 2048L General Physics Lab I
PHY 2049 Physics with Calculus II
PHY 2049L General Physics Lab II

Careers/Job Opportunities:

- Atmospheric and Space Scientists
- Broadcast News Analysts
- Cartographers and Photogrammetrists
- Geographic Information Systems Technicians
- Geophysical Data Technicians Software Developers
- Geoscientists, Except Hydrologists and Geographers
- Hydrologists
- Software Developers

Recommended Minors, Certificates, or Second Majors:

- Minor in Chemistry
- Minor in Meteorology
- Minor in Mathematics
- Minor in Computer Science
- Certificate in Actuarial Studies
- Certificate in Applied Geographic Information Systems
- 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.*

