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

Amir Khoddamzadeh PhD.
Faculty Advisor for Earth and the Environment,
MMC: AHC5 391 | akhoddam@fiu.edu

Hugh Willoughby, PhD.
Faculty Advisor for Earth and the Environment,
MMC: AHC5 393 | willough@fiu.edu

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.