

Earth Sciences B.A. at a Glance



Program Overview:

The Bachelors of Arts in Earth Sciences provides Earth Science background for those who intend to enter non-science fields, such as public administration, law, and especially teaching. The major in Earth Science Education leads to teacher certification within the State of Florida, including 6 credits of student teaching in the senior year. Knowledge of Earth Sciences is essential for understanding problems of climate change, groundwater supply, weather and environmental hazards, geotechnical engineering, and natural resource management. Students have the opportunity to work in well-equipped Earth Science laboratories and to learn the major techniques used in the Earth Sciences, including meteorology, hydrogeology, oceanography and geology.

Prerequisites:

ISC1056 First Year Seminar in Earth and Environment

GLY 1010 & GLY 1010L Physical Geology and Physical Geology Lab

or

GLY 3039 & GLY 3039L Environmental Geology and Environmental Geology Lab

or

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

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

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

BSC2011 & BSC 2011L Biology II and Biology II Lab

or

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

MAC 1114 Trigonometry **or** MAC 1147 Pre-Calculus and Trigonometry

MAC 2311 Calculus I

or

STA 2023 Statistics for Business and Economics

or

STA 2122 Statistics for Behavioral and Social Sciences I

or

STA 3111 Statistics I

PHY 2048 Physics with Calculus I **or** PHY 2053 Physics without Calculus I

PHY 2048L General Physics Lab I

PHY 2049 Physics with Calculus II **or** PHY 2054 Physics Without Calculus II

PHY 2049L General Physics Lab II

Careers/Job Opportunities:

- Secondary Science Teachers
- Environmental Scientists and Specialists
- Nursery and Greenhouse Managers
- Management Analysts

Recommended Minors, Certificates, or Second Majors:

- Minor in Chemistry
- Minor in Meteorology
- Minor in Geology
- Certificate in Applied Geographic Information Systems
- Certificate in Environmental 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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Faculty Advisor for Earth and the Environment,
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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.*

