

Earth Sciences BA with Earth Science Education Major at a Glance



Program Overview:

The (B.A.) degree in Earth Science with Earth Science Education Major offers students *options*. This degree in the discipline offers an enriching program in Earth Science and prepares students for teaching in the 21st century classroom. Graduates of this program can choose to teach Earth Science in grades 6-12, pursue graduate school or work in the various industries requiring a strong background in Earth Science.

- Early teaching coursework that provides students with hands-on experiences teaching Earth Science.
- Engaging, discipline-specific pedagogy courses like Problem-based Instruction in Mathematics & Science, Classroom Interactions, and Knowing & Learning in Mathematics & Science.
- Degree offering specialization in content area resulting in eligibility for full 6-12 teacher certification.
- 120 credit hour program culminates in a semester-long student internship.
- Program modeled after the nationally acclaimed U-Teach program at University of Texas, Austin.
- National Council for Accreditation of Teacher Education (NCATE) accredited program recognized by the U.S. Department of Education and the Council for Higher Education Accreditation.

Prerequisites:

CHM 1045/L General Chemistry I & Lab
 CHM 1046/L General Chemistry II & Lab
 PHY 2053/2048L Physics w/o Calculus I & Lab
 PHY 2054/2049L Physics w/o Calculus II & Lab
 GLY 1010/L Physical Geology & Lab
 or GLY 3039/L Environ. Geology & Lab
 BSC 2011/L General Biology II & Lab
 or GLY 1101/L History of Life & Lab
 AST 2003/L Solar System Astronomy & Lab
 MAC 1114 Trigonometry
 or MAC 1147 Pre-Calc. Algebra and Trig.

STA 2122 Stats for Behavioral & Soc. Sciences I
 or MAC 2311 Calculus I
 SMT 2661 Step 1: Inquiry Approaches to Teaching
 Mathematics and Science *
 SMT 2662: Step 2: Inquiry-Based Lesson Design in
 Mathematics and Science *

**May take SMT 2044, Combined STEP 1 & 2: Inquiry-Based Approaches and Lesson Design for Teaching in lieu of SMT 2661 and SMT 2662*

Careers/Job Opportunities:

- Earth Science Teacher
- Environmental Scientists and Specialists
- Nursery and Greenhouse Managers
- Management Analysts
- Public or Private Administrators

Advising Contact Information:

Secondary Education Advisors
MMC: ZEB 210 | 305-348-2978

Helpful Links:

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

FIUTeach Website: <http://fiuteach.fiu.edu>

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

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

Florida Teacher Certification Examinations Website: <http://fl.nesinc.com>

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.*

