Undergraduate Major Map

Catalog Year: 2020
College / School: Arts, Sciences & Education
Major: Earth Science - BA
Track / Concentration: Earth Science Education Major
Career Path: Two Year Transfer

**Fall Term 2020**

Students must pass all sections of the FTCE: General Knowledge (GK) Exam by the end of the semester that they complete 72 credits.

After passing this exam, they must apply for Program Admission with their assigned advisor located in ZEB 210.

In addition, students should complete Milestone #1 electronically, using their Taskstream account: https://w.taskstream.com/ts/chang28/ProgramMilestones.

They must also maintain an average cumulative GPA of a 2.5, with a minimum of a 'C' in all Education coursework.

<table>
<thead>
<tr>
<th>Course Group</th>
<th>Course Required</th>
<th>Course Description</th>
<th>Credit Hours</th>
<th>Critical Indicator</th>
<th>Course Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Electives</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>ISC1056 - First Year Seminar</td>
<td>ISC 1056</td>
<td>First Year Sem Earth Env</td>
<td>1</td>
<td></td>
<td>First Year Seminar in Earth and Environment</td>
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<tr>
<td>Earth Science Education Required</td>
<td></td>
<td></td>
<td>2</td>
<td></td>
<td>SMT2044 (Combined Step 1&amp;2) Field hours. Fingerprint clearance required.</td>
</tr>
<tr>
<td>Earth Science Education Required</td>
<td>SMT 3100</td>
<td>Know and Learn Math and Sci</td>
<td>3</td>
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</tr>
<tr>
<td>Earth Science 3000-4000 Level</td>
<td>GLY 3202</td>
<td>Earth Materials</td>
<td>3</td>
<td>C</td>
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<tr>
<td>Earth Science 3000-4000 Level</td>
<td>GLY 3202L</td>
<td>Earth Materials Lab</td>
<td>1</td>
<td>C</td>
<td></td>
</tr>
</tbody>
</table>

Term Hours: 13
Cum GPA: 2.5
### Spring Term 2021

Students should begin preparing for the FTCE: Professional Education Test and/or Subject Area Exam Biology 6-12 as planned with their assigned advisor.

If SCE 4194 course is taken in this semester, it will satisfy the Global Learning (GL) Discipline Specific requirement.

They must also maintain an average cumulative GPA of 2.5, with a minimum of a C in all Education coursework.

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<tr>
<td>Earth Science Education Required</td>
<td>SMT 4301</td>
<td>Class Interact Math and Sci</td>
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<tr>
<td>General Electives</td>
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<td>General Meteorology</td>
<td>MET 3003</td>
<td>General Meteorology</td>
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<td>Earth Science Education Required</td>
<td>SCE 4194</td>
<td>Pers in Sci and Math Ed</td>
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<td>C+</td>
<td>Field hours. Fingerprint clearance required</td>
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<tr>
<td>Earth Sciences and Geology 3000-4000 Level Electives</td>
<td>GLY 3112</td>
<td>Earth thru Time</td>
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<td>C</td>
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</tr>
</tbody>
</table>

### Summer Term 2021

Summer enrollment is encouraged, but not applicable for all students. This may be determined after meeting with their assigned advisor.

If TSL 4324 course is taken in this semester, it will satisfy the Global Learning (GL) Discipline Specific requirement.

Students should apply for Student Teaching through the Office of Clinical Experiences by June 1st, or when specified by the Clinical Experience Office and/or their assigned advisor.

In addition, they should have passed the FTCE: Professional Education Test and/or Subject Area Exam Biology 6-12 as planned with their assigned advisor.

Students must continue to maintain an average cumulative GPA of 2.5, with a minimum of a C in all Education coursework.

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<tr>
<td>Earth Science Education Required</td>
<td>RED 4325</td>
<td>Subj Area Reading</td>
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<td>Field hours. Fingerprint clearance required</td>
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<tr>
<td>Earth Science 3000-4000 Level</td>
<td>OCE 3014</td>
<td>Oceanography</td>
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<td>Earth Science Education Required</td>
<td>TSL 4324</td>
<td>ESOL Content Areas</td>
<td>3</td>
<td></td>
<td>Field hours. Fingerprint clearance required</td>
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<tr>
<td>General Electives</td>
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<td></td>
<td>1</td>
<td></td>
<td>Consult with advisor.</td>
</tr>
<tr>
<td>General Electives</td>
<td></td>
<td></td>
<td>1</td>
<td></td>
<td>Consult with advisor.</td>
</tr>
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Undergraduate Major Map

**Fall Term 2021**
Students MUST have ALL required coursework completed and ALL FTCE Education Exams passed prior to placement in Student Teaching.

Students must continue to maintain an average cumulative GPA of a 2.5, with a minimum of a C in all Education coursework.

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<tr>
<td>Earth Science Education Required</td>
<td>ISC 3523</td>
<td>Research Methods</td>
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<td>Earth Sciences and Geology 3000-4000 Level Electives</td>
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<td>Earth Science Education Required</td>
<td>SMT 4664</td>
<td>Prob Based Instr Math-Sci</td>
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<tr>
<td>Earth Sciences and Geology 3000-4000 Level Electives</td>
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</tr>
<tr>
<td>Earth Sciences and Geology 3000-4000 Level Electives</td>
<td>GLY 4937</td>
<td>Senior Seminar Geol Scien</td>
<td>1</td>
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</tbody>
</table>

**Term Hours:** 15  
**Cum GPA:** 2.5

**Spring Term 2022**
Student teaching is a full-time teaching experience and requires commitment during school hours along with preparation and grading time.

Students should apply for Graduation by the first week of classes, or as communicated by their advisor.

Students must continue to maintain an average cumulative GPA of a 2.5, with a minimum of a C in all Education coursework.

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<tbody>
<tr>
<td>Earth Science Education Required</td>
<td>SCE 4944</td>
<td>Student Teaching</td>
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</tbody>
</table>

**Term Hours:** 6  
**Cum GPA:** 2.5

**Summer Term 2022**

**Cum GPA:** 2.5

**General Requirements**
Prerequisite Courses: FIU Course(s);Equivalent Course(s).
CHM 1045, CHM 1045L;CHMX045/X045L or CHMX040 and CHMX041 or CHMX045C
CHM 1046, CHM 1046L;CHMX046/X046L or CHMX046C
Undergraduate Major Map

MAC 2311; MACX311 or MTHX281
GLY 1100, GLY 1100L or GLY 1101, GLY 1101L; NA
AST 2003, AST 2003L; NA

GENERAL UNIVERSITY REQUIREMENTS

*Critical Progress is the minimum grade indicated in specific courses to demonstrate proficiency and progress in major. Earning less than the minimum grade is a trigger for a conversation with advisor.*

Transfer students are assumed to have completed an Associates of Arts Degree from a Florida Public Institution or satisfied completed 60 credits and the University Core Curriculum Requirements.

In addition, the following courses are required of incoming transfer students:

Global Learning Requirement for Transfers: Transfers entering FIU Fall 2011 or later are required to take two Global Learning courses.

Those who meet University Core Curriculum Requirements prior to entering FIU

- Two Global Learning Discipline Specific Courses (One of the two may be a Global Learning Foundation Course chosen in consultation with your advisor)

Those who do not meet University Core Curriculum Requirements prior to entering FIU

- One Global Learning Foundation Course (from the University Core Curriculum)
- One Global Learning Discipline Specific Course

Transfer courses may not be used to meet the FIU Global Learning Requirement. For a list of Global learning courses: http://goglobal.fiu.edu

Grades: Students must earn a grade of "’C’" or higher in all courses required for the major. A grade of "’C-’" or lower is not acceptable in any required course.

This document only lists SELECTED requirements. See your Panther Degree Audit for a full list of CASe and major requirements at http://my.fiu.edu.

College of Arts, Sciences & Education specific requirements

Complete the Florida Teacher Certification Exam with a passing score on all sections.
- General Knowledge Exam: Required for program admission (Students that have passing scores on CLAST prior to July 1, 2002 are not required to take the General Knowledge Exam.)
- Professional Education Exam: Required for graduation
- Subject Area Exam: Required for graduation