GEOGRAPHY | BS

Geography is the science of place, space, and environment. Each place on earth is distinguished by a unique mix of natural resources, cultural practices, and socioeconomic and political systems. Geographers study what makes each place unique, as well as the connections and interactions between places.

About this Program

- **College**: Liberal Arts and Sciences
- **Degrees**: Bachelor of Arts | B.A.: Environmental Geosciences | Bachelor of Science | B.S.: Medical Geography in Global Health | B.A.: Medical Geography in Global Health
- **Credits for Degree**: 120
- **Additional Information**
- **Contact**: Email
- **Related Geography Programs**

To graduate with this major, students must complete all university, college, and major requirements.

Critical Tracking records each student's progress in courses that are required for entry to each major. Please note the critical-tracking requirements below on a per-semester basis.

For degree requirements outside of the major, refer to CLAS Degree Requirements: Structure of a CLAS Degree.

Equivalent critical-tracking courses as determined by the State of Florida Common Course Prerequisites may be used for transfer students.

Semester 1

- 2.0 UF GPA required

Semester 2

- Maintain 2.0 UF GPA
- 2.0 UF GPA required

Semester 3

- Complete 1 geography course (GEA 1000 not acceptable)
- 2.0 UF GPA required

Semester 4

- Complete 1 additional geography course (1 of the 2 must be GEO 2200; GEA 1000 not acceptable) or complete STA 2023 with a 2.5 critical-tracking GPA
- 2.0 UF GPA required

Semester 5

- Complete all critical-tracking courses (STA 2023 and 2 geography courses, 1 of which must be GEO 2200; GEA 1000 not acceptable) with a 2.5 critical-tracking GPA
- 2.0 UF GPA required

Students are expected to complete the writing requirement while in the process of taking the courses below. Students are also expected to complete the general education international (GE-N) and diversity (GE-D) requirements concurrently with another general education requirement (typically, GE-C, H or S).

To remain on track, students must complete the appropriate critical-tracking courses, which appear in bold. These courses must be completed by the terms as listed above in the Critical Tracking criteria.

This semester plan represents an example progression through the major. Actual courses and course order may be different depending on the student's academic record and scheduling availability of courses. Prerequisites still apply.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td><strong>Semester One</strong></td>
<td></td>
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<tr>
<td>GEO 2200</td>
<td>Physical Geography [Critical Tracking; Gen Ed Physical Sciences]</td>
<td>3</td>
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<tr>
<td>GEO 2200L</td>
<td>Physical Geography Laboratory (Gen Ed Physical Sciences)</td>
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<tr>
<td>MET 1010</td>
<td>Introduction to Weather and Climate (Gen Ed Physical Sciences)</td>
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<tr>
<td>State Core Gen Ed Composition; Writing Requirement</td>
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<tr>
<th>Course</th>
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<tbody>
<tr>
<td><strong>Semester Two</strong></td>
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<tr>
<td>Select one:</td>
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<tr>
<td>CHM 1025</td>
<td>Introduction to Chemistry (Gen Ed Physical Sciences)</td>
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<td>CHM 1030</td>
<td>Basic Chemistry Concepts and Applications 1 (Gen Ed Physical Sciences)</td>
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<tr>
<td>GEO 2410</td>
<td>Social Geography [Critical Tracking; Gen Ed Social and Behavioral Sciences and Diversity]</td>
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<tr>
<td>GEO 2420</td>
<td>Introduction to Human Geography [Critical Tracking; Gen Ed Social and Behavioral Sciences and International]</td>
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<td>GEO 2500</td>
<td>Global and Regional Economies [Critical Tracking; Gen Ed Social and Behavioral Sciences]</td>
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<td>IUF 1000</td>
<td>What is the Good Life (Gen Ed Humanities)</td>
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<td>Foreign language</td>
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<tr>
<td><strong>Semester Three</strong></td>
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<td>13-14</td>
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<tr>
<td>PHY 2004 &amp; 2004L</td>
<td>Applied Physics 1 and Laboratory for Applied Physics 1 (Gen Ed Physical Sciences)</td>
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<tr>
<td>STA 2023</td>
<td>Introduction to Statistics 1 [Critical Tracking; Gen Ed Mathematics]</td>
<td>3</td>
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<tr>
<td>Elective</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>State Core Gen Ed Humanities</td>
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<tr>
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<th>Credits</th>
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<tbody>
<tr>
<td><strong>Semester Four</strong></td>
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<tr>
<td>Systematic GEO/MET course (3000/4000 level)</td>
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<tr>
<td>PHY 2005 &amp; 2005L</td>
<td>Applied Physics 2 and Laboratory for Applied Physics 2 (Gen Ed Physical Sciences)</td>
<td>4</td>
</tr>
<tr>
<td>Gen Ed Composition; Writing Requirement</td>
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<tr>
<td>Elective</td>
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<tr>
<td>State Core Gen Ed Mathematics, pure math</td>
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<tr>
<th>Course</th>
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<tr>
<td><strong>Semester Five</strong></td>
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<tr>
<td>Regional GEA course (2000 - 4000 level)</td>
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</table>
### Geography | BS

**GEO 3162C**  
Introduction to Quantitative Analysis for Geographers (Gen Ed Physical Sciences)  

State Core Gen Ed Biological Sciences  
3

Elective (3000 level or above, not in major)  
3

State Core Gen Ed Social and Behavioral Sciences  
3

**Credits**  
16

### Semester Six

Systematic GEO/MET course (3000/4000 level)  
3-4

Select one:  
4

- GIS 4001C  
Maps and Graphs

- GIS 3043  
Foundations of Geographic Information Systems (technique)

GLY 2010C  
Physical Geology (Gen Ed Physical Sciences)  
4

Elective (3000 level or above, not in major)  
3

Gen Ed Humanities  
3

**Credits**  
17-18

### Semester Seven

GEO 4930  
Senior Seminar  
1

Systematic GEO/MET course (3000/4000 level)  
3

SWS 3022  
Introduction to Soils in the Environment  
4

& 3022L  
and Introduction to Soils in the Environment Laboratory (Gen Ed Physical Sciences)

Elective  
1

Electives (3000 level or above, not in major)  
6

**Credits**  
15

### Semester Eight

Technique GEO/GIS course (3000 level or above)  
3-4

Gen Ed Biological Sciences  
3

Electives (3000 level or above, not in major)  
6

Gen Ed Social and Behavioral Sciences (if needed)  
3

**Credits**  
15-16

**Total Credits**  
120

Electives to reach the 120-credit minimum will vary depending on whether students select minimum or maximum credit course options.

A major in geography enables students to know the earth's physical environment, to learn social, cultural and economic concepts from spatial and regional perspectives, and to understand the relationship between environment and society. Students will learn how geographic techniques, skills and concepts are applied in the subfields of geography. Computer-based lab assignments teach students how to analyze geographic information and to apply an interpretation of data toward problem solving or modeling. They will be able to interpret and to effectively communicate information spatially, graphically and/or with statistics.

The Bachelor of Arts in geography enables students to learn how geographic techniques, skills and concepts are applied in various subfields of geography. The Bachelor of Science enables students to learn basic concepts in sciences related to the earth and its atmosphere.

### Before Graduating Students Must

- Complete a capstone exam in GEO 4930, as developed by geography faculty.
- Complete a capstone portfolio in GEO 4930, evaluated by geography faculty.
- Complete requirements for the baccalaureate degree, as determined by faculty.

### Students in the Major Will Learn to

#### Student Learning Outcomes (SLOs)

**Content**

1. Identify and describe the physical and human characteristics of Earth and its regions, the essentials of human-environment interactions, and the techniques of geographic science.

**Critical Thinking**

2. Analyze geographic information and apply interpretation of data toward problem solving or modeling.

**Communication**

3. Interpret and effectively communicate information spatially, graphically and/or with statistics.

### Curriculum Map

*I* = Introduced; *R* = Reinforced; *A* = Assessed

<table>
<thead>
<tr>
<th>Courses</th>
<th>SLO 1</th>
<th>SLO 2</th>
<th>SLO 3</th>
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<tbody>
<tr>
<td>GEA 2000-4000 level Regional Geography</td>
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<tr>
<td>GEO 2000 level Human Geography</td>
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<tr>
<td>GEO 2200</td>
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<tr>
<td>GEO 2200L</td>
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<tr>
<td>GEO 3162C</td>
<td>I</td>
<td>I</td>
<td>R</td>
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<tr>
<td>GEO 4930</td>
<td>R, A</td>
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<tr>
<td>GIS 3043 and GIS 4001C</td>
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<td>R</td>
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<tr>
<td>STA 2023</td>
<td></td>
<td></td>
<td>I</td>
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**B.A. Only** Plus 15 R additional credits in the department

**B.S. Only** Plus 12 R additional credits in the department and 22 credits outside the department with CHM, GLY, MET, PHY, SWS prefixes

### Assessment Types

- Capstone exam
- Portfolio

**Total Credits**  
120