B.A. IN GEOGRAPHY

Curriculum Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 105</td>
<td>English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>ENG 106</td>
<td>English Composition II</td>
<td>3</td>
</tr>
<tr>
<td>MTH 108</td>
<td>Precalculus Mathematics II</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Arts and Humanities Cognate</td>
<td>9</td>
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<tr>
<td></td>
<td>STEM Cognate</td>
<td>9</td>
</tr>
<tr>
<td></td>
<td>Language Requirement</td>
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</tr>
<tr>
<td></td>
<td>Minor Requirement</td>
<td>15</td>
</tr>
<tr>
<td></td>
<td>Writing Requirement</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>Study Abroad (optional)</td>
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<tr>
<td></td>
<td>Degree Requirements</td>
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To satisfy the College of Arts and Sciences writing requirement in the discipline, students majoring in Geography must take at least one writing eligible course in Geography. GEG 501 satisfies this requirement for most students.

Students must complete at least 30 credit hours in Geography with a grade of C- or higher.

The overall GPA in courses counted toward the major must be 2.00 or higher.

The major requires 18 credits of of electives at least 9 of which must be at the 300 level or above, exclusive of GEG 501.

Suggested Plan of Study

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>120-126</td>
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Year One

Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>ENG 105</td>
<td>English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>MTH 113</td>
<td>Finite Mathematics</td>
<td>3</td>
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<td>UMX 100</td>
<td>The University of Miami Experience</td>
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<td>GEG 101</td>
<td>Digital Earth</td>
<td>3</td>
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<tr>
<td>GEG 120</td>
<td>Physical Geography</td>
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Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>ENG 106</td>
<td>English Composition II</td>
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</tr>
<tr>
<td>GEG 310</td>
<td>Geographic Information Systems I</td>
<td>3</td>
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<tr>
<td>Language Course</td>
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<td>3</td>
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<tr>
<td>Arts and Humanities Cognate Course</td>
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<td>3</td>
</tr>
<tr>
<td>General or GEG Elective Course</td>
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<td>3</td>
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Credit Hours
## Year Two
### Fall
- **GEG 305** Spatial Data Analysis I 3
- Language Course 3
- General or GEG Elective Course 3
- General or GEG Elective Course 3
- Arts and Humanities Cognate Course 3

### Spring
- **GEG 241** Health and Medical Geography 3
- **GEG 306** Geographic Research Methods 3
- General or GEG Elective Course 3
- General or GEG Elective Course 3
- Arts and Humanities Cognate Course 3

### Credit Hours
15

## Year Three
### Fall
- **GEG 331** Sustainable Development 3
- STEM Cognate Course 3
- General or GEG Elective Course 3
- General or GEG Elective Course 3
- General or GEG Elective Course 3

### Spring
- 300 Level GEG Elective 3
- STEM Cognate Course 3
- General or GEG Elective Course 3
- General or GEG Elective Course 3
- General or GEG Elective Course 3

### Credit Hours
15

## Year Four
### Fall
- 300 Level GEG Elective 3
- STEM Cognate Course 3
- General or GEG Elective Course 3
- General or GEG Elective Course 3
- General or GEG Elective Course 3

### Spring
- **GEG 501** Capstone Research Seminar 3
- General or GEG Elective Course 3
- General or GEG Elective Course 3
- General or GEG Elective Course 3
- General or GEG Elective Course 3

### Credit Hours
15

### Total Credit Hours
120

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**Mission**

The Department of Geography (GEG) seeks to encourage the rigorous investigation of human-environment interactions, and the analysis of spatial patterns related to societal processes. It reaches across disciplines to draw on a range of methods, theories, and perspectives that help us understand how ideas and structures result from the interaction of space, place and time. The department’s core objective is to foster the examination, open discussion, and lively debate of geographic issues among faculty and students from all fields of study, enriching the undergraduate curriculum and
the university’s academic mission through greater communication across disciplines and colleges. Its aim is to broaden, deepen, and transform the learning community at UM and beyond.

Goals

Our undergraduate programs (BA and BS) aim to prepare students for positions in teaching, government, private business, urban and regional planning, geographic information systems (GIS), remote sensing (RS), resource management, and environmental analysis. We offer optional tracks in urban, environmental, and medical geography, as well as courses in geospatial technology which provide students with marketable skills for today’s job market: geographic information systems (GIS), digital cartography, satellite remote sensing, land use and land cover analysis, and spatial statistics. During their studies, our students develop global citizenship, which prepares them to examine global problems with a different lens, as well as develop skills to work effectively in multi-cultural environments and collaborative settings.

Student Learning Outcomes

- Students will demonstrate knowledge of concepts and theories in both human and physical geography including spatial patterns and processes, the interrelationships between people and places, and the interactions between people and nature.
- Students will integrate and apply concepts and theories to develop sound and original geographical questions as well as apply critical thinking to find explanations to geographical questions.
- Students will demonstrate effective written, cartographic, and oral communication.