# Geography (BS)

## Tourism, Environment, and Sustainable Societies

The Geography program at Plymouth State University prepares students for careers in geographic information systems, computerized cartography, environmental planning and consulting, education, the military or foreign service, or for advanced work at the graduate level. Geography bridges the natural and human worlds, focusing on interrelationships between physical and cultural landscapes. It is the study of the way that people interact with their environment; it applies analytic techniques to the solution of ecological, economic, and social problems. Geography majors learn to evaluate landforming processes, to perform spatial analysis, to employ field-based research techniques, to interpret maps, aerial photographs and remotely sensed images, to understand foreign regions, and to design and implement geographic information systems and to produce computer generated maps.

## Degree Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GE 2002</td>
<td>Human Geography</td>
<td>3</td>
</tr>
<tr>
<td>ESP 2100</td>
<td>Introduction to Environmental Science and Policy I</td>
<td>4</td>
</tr>
<tr>
<td>ESP 2110</td>
<td>or Introduction to Environmental Science and Policy II</td>
<td></td>
</tr>
<tr>
<td>GE 2040</td>
<td>Digital Cartography</td>
<td>2</td>
</tr>
<tr>
<td>GE 2050</td>
<td>GIS I: Introduction to Geographic Information Systems (QRCO,TECO)</td>
<td>4</td>
</tr>
<tr>
<td>GE 3030</td>
<td>Urban Geography</td>
<td>3</td>
</tr>
<tr>
<td>GE 3050</td>
<td>GIS II: Advanced Geographic Information Systems</td>
<td>4</td>
</tr>
<tr>
<td>GE 3080</td>
<td>Economic Geography</td>
<td>4</td>
</tr>
</tbody>
</table>

### Human Geography Integration (Group 1)

Complete one course from the following: 3-4

- EPL 2105 Community Planning
- GE 4120 Topics in Human Geography
- SO 3605 Sustainability in Practice (WECO)
- TMP 2010 Introduction to Travel and Tourism (GACO)
- TMP 3060 Ecotourism
- TMP 3070 Cultural and Heritage Tourism

### Environmental Geography Integration (Group 2)

Complete two courses from the following: 6-8

- BI 3240 Conservation (DICO,GACO,INCO,INCP)
- ESP 2150 Introduction to Geological Sciences
- ESP 3325 Climate, Risk, and Adaptation (GACO,INCO,INCP)
- ESP 3335 Environmental Geology (TECO)
- ESP 3340 Introduction to Ecological Economics
- ESP 4200 Natural Hazards: Science and Policy
- GE 3260 The Physical Geography of National Parks
- GE 3300 Introduction to Hydrology
- MT 2250 Introduction to Weather Analysis and Forecasting

### Geospatial Techniques and Professional Applications (Group 3)

Complete two courses from the following: 6-8

- CM 3095 Technical Communication (TECO,WRCO)
- EPL 3100 Environmental Planning
- EPL 3150 Introduction to Permaculture

- EPL 3270 Sustainability in Residences
- ESP 4305 Land Conservation Techniques
- GE 4010 Remote Sensing and Digital Image Processing
- GE 4040 Topics in Geospatial Technologies
- GE 4050 Geospatial Technology Applications
- GE 4060 GIS Programming
- GE 4140 Topics in Geographic Techniques
- SO 3405 Human Dimensions of Natural Resource Management (INCO,INCP)

### Regional Geography Integration (Group 4) 6-8

- AN 3115 Environmental Anthropology: Culture, Ecology, and Conservation
- AN 3120 Anthropology of Migration (GACO)
- AN 3205 Anthropology of Religion, Ritual, and Myth
- AN 3405 Anthropology of Sub-Saharan Africa (GACO)
- AN 3505 Illness, Wellness, and Healing (INCO,INCP,WECO)
- GE 4110 Topics in Regional Geography (GACO,WRCO)
- PO 3255 Model United Nations (GACO,INCO,INCP)
- PO 3305 Latin American Politics (GACO,WRCO)
- PO 3355 Women in World Politics
- PO 3505 Politics and Conflict in the Middle East (GACO,INCO,INCP)

### Major Electives

Complete at least two upper-level courses (3000 or higher) from below OR Groups 1-4 above (not used to meet the Group requirements): 6-8

- GE 3970 Internship (maximum of four credits)
- GE 4100 Geographic Information Systems Internship (maximum of 4 credits)
- GE 4150 Topics in Geography
- GE 4910 Independent Study
- General Education (https://coursecatalog.plymouth.edu/general-education/)
- EN 1400 Composition
- IS 1115 Tackling a Wicked Problem
- MA (https://coursecatalog.plymouth.edu/general-education/#MATH)
- CTDI (https://coursecatalog.plymouth.edu/general-education/#CTDI)
- PPDI (https://coursecatalog.plymouth.edu/general-education/#PPDI)
- SIDI (https://coursecatalog.plymouth.edu/general-education/#SIDI)
SSDI (https://coursecatalog.plymouth.edu/general-education/#SSDI) Self and Society Direction 3-4

Directions (choose from CTDI, PPDI, SIDI, SSDI) (https://coursecatalog.plymouth.edu/general-education/) 1
CTDI (https://coursecatalog.plymouth.edu/general-education/#CTDI) Creative Thought Direction 3-4
PPDI (https://coursecatalog.plymouth.edu/general-education/#PPDI) Past and Present Direction 3-4

DICO (https://coursecatalog.plymouth.edu/general-education/#DICO) Diversity Connection 3-4
INCP (https://coursecatalog.plymouth.edu/general-education/#INCP) Integrated Capstone 3-4
WECO (https://coursecatalog.plymouth.edu/general-education/#WECO) Wellness Connection 3-4
Elective 3-6 Credits 25-31

Recommended Course Sequence
Check all course descriptions for prerequisites before planning course schedule. Course sequence is suggested but not required.

To complete the bachelor's degree in 4 years, you must successfully complete a minimum of 15 credits each semester or have a plan to make up credits over the course of the 4 years. For example, if you take 14 credits one semester, you need to take 16 credits in another semester. Credits completed must count toward your program requirements (major, option, minor, certificate, general education or free electives).

Course Title Credits
Year One
EN 1400 Composition 4
IS 1115 Tackling a Wicked Problem 4
MA (https://coursecatalog.plymouth.edu/general-education/#MATH) Mathematics Foundations 3-4
GE 2002 Human Geography 3
GE 2040 Digital Cartography 2
CTDI (https://coursecatalog.plymouth.edu/general-education/#CTDI) Creative Thought Direction 3-4

Year Two
SIDI (https://coursecatalog.plymouth.edu/general-education/#SIDI) Scientific Inquiry Direction 3-4
SSDI (https://coursecatalog.plymouth.edu/general-education/#SSDI) Self and Society Direction 3-4
DICO (https://coursecatalog.plymouth.edu/general-education/#DICO) Diversity Connection 3-4
Electives 9-10 Credits 22-30

Year Three
Complete two Human Geography Integration (Group 1) courses from the following:
- EPL 2105 Community Planning
- GE 4120 Topics in Human Geography
- SO 3605 Sustainability in Practice (WECO)
- TMP 2010 Introduction to Travel and Tourism (GACO)
- TMP 3060 Ecotourism
- TMP 3070 Cultural and Heritage Tourism
Complete two Environmental Geography Integration (Group 2) courses from the following:
- BI 3240 Conservation (DICO,GACO,INCO,INCP)
- ESP 2150 Introduction to Geological Sciences
- ESP 3325 Climate, Risk, and Adaptation (GACO,INCO,INCP)
- ESP 3335 Environmental Geology (TECO)
- ESP 3340 Introduction to Ecological Economics
- ESP 4200 Natural Hazards: Science and Policy
- GE 3260 The Physical Geography of National Parks
- GE 3300 Introduction to Hydrology
- MT 2250 Introduction to Weather Analysis and Forecasting
Complete two Geospatial Techniques and Professional Applications (Group 3) courses from the following:
- CM 3095 Technical Communication (TECO,WRCO)
- EPL 3100 Environmental Planning
- EPL 3150 Introduction to Permaculture
- EPL 3270 Sustainability in Residences
- ESP 4305 Land Conservation Techniques
- GE 4010 Remote Sensing and Digital Image Processing
- GE 4040 Topics in Geospatial Technologies
- GE 4050 Geospatial Technology Applications
- GE 4060 GIS Programming
- GE 4140 Topics in Geographic Techniques
Complete two Regional Geography Integration (Group 4) courses from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>AN 3115</td>
<td>Environmental Anthropology: Culture, Ecology, and Conservation</td>
<td></td>
</tr>
<tr>
<td>AN 3120</td>
<td>Anthropology of Migration (GACO)</td>
<td></td>
</tr>
<tr>
<td>AN 3205</td>
<td>Anthropology of Religion, Ritual, and Myth</td>
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<td>AN 3405</td>
<td>Anthropology of Sub-Saharan Africa (GACO)</td>
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<td>GE 4110</td>
<td>Topics in Regional Geography (GACO,WRCO)</td>
<td></td>
</tr>
<tr>
<td>PO 3255</td>
<td>Model United Nations (GACO,INCO,INCP)</td>
<td></td>
</tr>
<tr>
<td>PO 3305</td>
<td>Latin American Politics (GACO,WRCO)</td>
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<td>PO 3355</td>
<td>Women in World Politics</td>
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</tr>
<tr>
<td>PO 3505</td>
<td>Politics and Conflict in the Middle East (GACO,INCO,INCP)</td>
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<tr>
<td>WECO</td>
<td>Wellness Connection</td>
<td>3-4</td>
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<tr>
<td>Electives</td>
<td></td>
<td>0-6</td>
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</tbody>
</table>

**Year Four**

Complete at least 6-8 credits of Major Electives from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Any course from Groups 1-4 not used to meet the Group requirements</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GE 3970</td>
<td>Internship (maximum of three credits)</td>
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<tr>
<td>GE 4100</td>
<td>Geographic Information Systems Internship</td>
<td></td>
</tr>
<tr>
<td>GE 4150</td>
<td>Topics in Geography</td>
<td></td>
</tr>
<tr>
<td>GE 4910</td>
<td>Independent Study</td>
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</tr>
<tr>
<td>INCP</td>
<td>Integrated Capstone</td>
<td>3-4</td>
</tr>
<tr>
<td>Electives</td>
<td></td>
<td>13-15</td>
</tr>
</tbody>
</table>

**Total Credits**: 120

1. Directions should total 20 credits (unless the major has a waiver for a specific Direction).