GEOGRAPHY UNDERGRADUATE MINOR

Any six courses (18 credit hours) constitute a minor, but the suggested course sequences in the Requirements tab will be of interest to certain students pursuing specific majors and with certain career objectives such as planning, environmental conservation, or business.

Program Requirements

- Minimum of 18 credit hours
- No credit hours from GES courses numbered 160-170, and 360-400 may be applied towards the Geography Minor.

General Geography Minor

Required

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td></td>
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<td>18</td>
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</tbody>
</table>

Select one physical course
Select one human course
Select one regional course
Select one techniques course
Select any two other geography courses

Minor Emphasizing Urban Planning

Select six of the following: 18

- GES 105 Introduction to Human Geography
- GES 301 Cities of the World
- GES 302 Urban Geography: Land Use
- GES 303 World Population Problems
- GES 304 Introduction to Transportation Analysis
- GES 306 World Economic Geography
- GES 344 Geography of the United States and Canada
- GES 402 Sustainable Urban Planning in an Entrepreneurial Environment
- GES 432 Geography of Livable Cities
- GES 433 Regional Economic Development

Minor Emphasizing Environmental Studies

Select six of the following: 18

- GES 105 Introduction to Human Geography
- GES 121 Introduction to Geographic Information Science
- GES 205 Environmental Change: Its Nature and Impact
- GES 303 World Population Problems
- GES 305 Environmental Hazards Assessment
- GES 312 Geomorphology of North America
- GES 314 Physical Geography: Landscape Processes
- GES 319 Weather and Climate
- GES 330 Elements of Hydrology
- GES 357 Principles of Cartography
- GES 359 Remote Sensing of Environment
- GES 418 Biogeography
- GES 419 Advanced Weather and Climate-Synoptic Climatology
- GES 457 Advanced Cartography
- GES 450 Applied Physical Geography

MINOR EMPOWERING GEOGRAPHIC INFORMATION SCIENCE AND TECHNIQUES

Provides the student opportunity to acquire geographic research, writing, and cartographic techniques.

Select six of the following: 18

- GES 105 Introduction to Human Geography
- GES 121 Introduction to Geographic Information Science
- GES 322 Research Methods in Geography
- GES 357 Principles of Cartography
- GES 358 Geographic Information Systems
- GES 359 Remote Sensing of Environment
- GES 362 Geography of the United States and Canada
- GES 402 Sustainable Urban Planning in an Entrepreneurial Environment
- GES 432 Geography of Livable Cities
- GES 433 Regional Economic Development
- GES 457 Advanced Cartography
- GES 459 Advanced Remote Sensing-Imaging

Geography Minor for Majors in the School of Business and Economics

Provides the student opportunity to acquire knowledge of industrial location, international trade, demographic change and environmental impact.

Select six of the following: 18

- GES 102 The Historical Geography of the Western World
- GES 104 World Regional Geography
- GES 105 Introduction to Human Geography
- GES 121 Introduction to Geographic Information Science
- GES 301 Cities of the World
- GES 302 Urban Geography: Land Use
- GES 303 World Population Problems
- GES 306 World Economic Geography
- GES 344 Geography of the United States and Canada
- GES 491 Current Topics in Regional Geography
- GES 432 Geography of Livable Cities
- GES 433 Regional Economic Development

* Either of options A or B may also be chosen, but not both.

Select one option of the following: 3

Option A:
- GES 103 Introduction to Earth Science

Option B:
- GES 106 Geosystems Science

Select one option of the following: 3
Option A:

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>GES 103</td>
<td>Introduction to Earth Science</td>
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</table>

Option B:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>GES 106</td>
<td>Geosystems Science</td>
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</tbody>
</table>

*Either of options A or B below may also be chosen, but not both.*