GEOGRAPHY UNDERGRADUATE MINOR

Program Requirements

• Minimum of 18 credit hours.
• Any six GES courses (18 credit hours) constitute a minor, but the suggested course sequences below will be of interest to certain students pursuing specific majors and with certain career objectives such as planning, environmental conservation, or business.
• No credit hours from GES courses numbered 160-170, and 360-400 may be applied towards the Geography Minor.

General Geography Minor

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<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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Required

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 courses from the following:

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GES 105 Introduction to Human Geography
GES 301 Cities of the World
GES 302 Urban Geography. Sustainable Land Use
GES 303 World Population Problems
GES 304 Sustainable Transport and Mobility
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 courses from the following:

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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 450 Applied Physical Geography
GES 457 Advanced Cartography

Select one option of the following: 3-4

Option A:
GES 103 Introduction to Earth Science & 103L and Earth Science Laboratory
Option B:
GES 108 Our Dynamic Planet

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

Minor Emphasizing Geographic Information Science and Techniques

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

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Select six courses from the following:

GES 105 Introduction to Human Geography
GES 121 Introduction to Geographic Information Science
GES 322 Research Methods in Spatial Science
GES 357 Principles of Cartography
GES 358 Geographic Information Systems
GES 359 Remote Sensing of 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.

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Select six courses from the following:

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. Sustainable Land Use
GES 303 World Population Problems
GES 306 World Economic Geography
GES 344 Geography of the United States and Canada
GES 432 Geography of Livable Cities
GES 433 Regional Economic Development
GES 491 Current Topics in Regional Geography
Select one option of the following: 3-4

Option A:

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<tr>
<td>GES 103</td>
<td>Introduction to Earth Science</td>
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<tr>
<td>&amp; 103L</td>
<td>and Earth Science Laboratory</td>
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Option B:

<table>
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</thead>
<tbody>
<tr>
<td>GES 108</td>
<td>Our Dynamic Planet</td>
</tr>
</tbody>
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* Either of options A or B below may also be chosen, but not both.