GEOGRAPHY & GEOGRAPHIC INFORMATION SCIENCE: PHYSICAL GEOGRAPHY, BSLAS

for the degree of Bachelor of Science in Liberal Arts & Sciences: Major in Geography & Geographic Information Science, Physical Geography Concentration

department catalog page: Geography (http://catalog.illinois.edu/las/geography)
department website: https://www.geog.illinois.edu/
department faculty: Geography Faculty (https://www.geog.illinois.edu/people)
overview of college admissions & requirements: Liberal Arts & Sciences (http://catalog.illinois.edu/las)
college website: https://las.illinois.edu/
email: geography@illinois.edu

A Major Plan of Study Form must be completed and submitted to the LAS Student Affairs Office by the beginning of the fifth semester (60-75 hours).

for the degree of Bachelor of Science in Liberal Arts & Sciences: Major in Geography & Geographic Information Science, Physical Geography Concentration

General education: Students must complete the Campus General Education (https://courses.illinois.edu) requirements including the campus general education language requirement.
Minimum required major and supporting course work: a minimum of 40 upper-division hours. Twelve (12) hours of 300- and 400-level courses in the major must be taken on this campus.

Geography and Geographic Information Science Core Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Total Core Hours</td>
<td>10-16</td>
</tr>
<tr>
<td>Select one of the following three (3) courses:</td>
<td>3-4</td>
<td></td>
</tr>
<tr>
<td>GEOG 100</td>
<td>Introduction to Meteorology</td>
<td></td>
</tr>
<tr>
<td>GEOG 103</td>
<td>Earth’s Physical Systems</td>
<td></td>
</tr>
<tr>
<td>GEOG 222</td>
<td>Big Rivers of the World</td>
<td></td>
</tr>
<tr>
<td>Select one of the following six (6) courses:</td>
<td>3-4</td>
<td></td>
</tr>
<tr>
<td>GEOG 101</td>
<td>Global Development &amp; Environment</td>
<td></td>
</tr>
<tr>
<td>GEOG 104</td>
<td>Social and Cultural Geography</td>
<td></td>
</tr>
<tr>
<td>GEOG 105</td>
<td>The Digital Earth</td>
<td></td>
</tr>
<tr>
<td>GEOG 106</td>
<td>Geographies of Globalization</td>
<td></td>
</tr>
<tr>
<td>GEOG 210</td>
<td>Social &amp; Environmental Issues</td>
<td></td>
</tr>
<tr>
<td>GEOG 221</td>
<td>Geographies of Global Conflict</td>
<td></td>
</tr>
<tr>
<td>Select one of the following two (2) courses:</td>
<td>4-8</td>
<td></td>
</tr>
<tr>
<td>GEOG 371</td>
<td>Spatial Analysis</td>
<td></td>
</tr>
<tr>
<td>GEOG 379</td>
<td>Intro to GIS Systems</td>
<td></td>
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</tbody>
</table>

Physical Geography Concentration Requirements:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Total Concentration required hours</td>
<td>25-27</td>
</tr>
</tbody>
</table>

Science courses (of which at least 6 hours must be at the 300 or 400 level) selected from the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 210</td>
<td>Social &amp; Environmental Issues</td>
<td></td>
</tr>
<tr>
<td>GEOG 222</td>
<td>Big Rivers of the World</td>
<td></td>
</tr>
<tr>
<td>GEOG/ NRES 287</td>
<td>Environment and Society</td>
<td></td>
</tr>
<tr>
<td>GEOG 370/ ESE 320</td>
<td>Water Planet, Water Crisis</td>
<td></td>
</tr>
<tr>
<td>ESE 320</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GEOG 371</td>
<td>Spatial Analysis</td>
<td></td>
</tr>
<tr>
<td>GEOG 381</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GEOG 390</td>
<td>Individual Study</td>
<td></td>
</tr>
<tr>
<td>GEOG 391</td>
<td>Honors Individual Study</td>
<td></td>
</tr>
<tr>
<td>GEOG/ NRES 401</td>
<td>Watershed Hydrology</td>
<td></td>
</tr>
<tr>
<td>GEOG 405</td>
<td>Geography Field Course</td>
<td></td>
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<tr>
<td>GEOG 406</td>
<td>Fluvial Geomorphology</td>
<td></td>
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<tr>
<td>GEOG 408</td>
<td>Humans and River Systems</td>
<td></td>
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<tr>
<td>GEOG 412</td>
<td>Geospatial Tech &amp; Society</td>
<td></td>
</tr>
<tr>
<td>GEOG/ ATMS 421</td>
<td>Earth Systems Modeling</td>
<td></td>
</tr>
<tr>
<td>GEOG 436/ IB 439</td>
<td>Biogeography</td>
<td></td>
</tr>
<tr>
<td>GEOG 460</td>
<td>Aerial Photo Analysis</td>
<td></td>
</tr>
<tr>
<td>GEOG 468</td>
<td>Biological Modeling</td>
<td></td>
</tr>
<tr>
<td>GEOG 471</td>
<td>Recent Trends in Geog Thought</td>
<td></td>
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<tr>
<td>GEOG 473</td>
<td>Digital Cartography &amp; Map Design</td>
<td></td>
</tr>
<tr>
<td>GEOG 476</td>
<td>Applied GIS to Environ Studies</td>
<td></td>
</tr>
<tr>
<td>GEOG 477</td>
<td>Introduction to Remote Sensing</td>
<td></td>
</tr>
<tr>
<td>GEOG 478</td>
<td>Techniques of Remote Sensing</td>
<td></td>
</tr>
<tr>
<td>MATH 220</td>
<td>Calculus</td>
<td>4-5</td>
</tr>
<tr>
<td>or MATH 221</td>
<td>Calculus I</td>
<td></td>
</tr>
<tr>
<td>PHYS 101</td>
<td>College Physics: Mech &amp; Heat</td>
<td>4-5</td>
</tr>
<tr>
<td>or PHYS 21</td>
<td>University Physics: Mechanics</td>
<td></td>
</tr>
</tbody>
</table>

Select one of the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 102</td>
<td>General Chemistry I</td>
<td></td>
</tr>
<tr>
<td>&amp; CHEM 103</td>
<td>General Chemistry Lab I</td>
<td></td>
</tr>
<tr>
<td>CHEM 104</td>
<td>General Chemistry II</td>
<td></td>
</tr>
<tr>
<td>&amp; CHEM 105</td>
<td>General Chemistry Lab II</td>
<td></td>
</tr>
</tbody>
</table>

Total Hours required for graduation: 120

1 Students pursuing the Geographic Information Science Concentration are required to take both GEOG 371 and GEOG 379.