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 website: https://www.geog.illinois.edu/
department faculty: Geography Faculty (https://www.geog.illinois.edu/people)
advising: GGIS advising (https://www.geog.illinois.edu/students/undergrad/advising)
overview of college admissions & requirements: Liberal Arts & Sciences (http://catalog.illinois.edu/schools/las/academic-units)
college website: https://las.illinois.edu/
email: geography@illinois.edu

Undergraduate Degree Programs in Geography & Geographic Information Science

For the Degree of Bachelor of Science in Liberal Arts and Sciences
- Major in Computer Science & Geography & GIS, BSLAS (http://catalog.illinois.edu/undergraduate/eng_las/computer-science-geography-geographic-information-science-bslas)
- Major in Geography & Geographic Information Science, Geographic Information Science Concentration, BSLAS (http://catalog.illinois.edu/undergraduate/las/geography-geographic-information-science-bslas/geographic-information-science)
- Major in Geography & Geographic Information Science, Physical Geography Concentration, BSLAS (p. 1)

For the Degree of Bachelor of Arts in Liberal Arts and Sciences
- Major in Geography & Geographic Information Science, General Geography Concentration, BALAS (http://catalog.illinois.edu/undergraduate/las/geography-geographic-information-science-balas/general-geography)
- Major in Geography & Geographic Information Science, Human Geography Concentration, BALAS (http://catalog.illinois.edu/undergraduate/las/geography-geographic-information-science-balas/human-geography)

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

Departmental distinction: Students majoring in Geography and Geographic Information Science can earn distinction, high distinction, and highest distinction upon graduation. The requirements for these awards are:
- For distinction: 3.3 GPA overall; 3.3 GPA in GGIS courses.
- For high distinction: 3.3 GPA overall; 3.75 GPA in GGIS courses.
- For highest distinction: 3.3 GPA overall; 3.75 GPA in GGIS courses; satisfactorily complete an independent project (GEOG 391).

Students should consult their advisors regarding distinction requirements as soon as they enter the major (no later than the end of their junior year).

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>Total Core Hours</td>
<td>10-16</td>
<td></td>
</tr>
</tbody>
</table>

Select one of the following three (3) courses:
- GEOG 100 Introduction to Meteorology
- GEOG 103 Earth's Physical Systems
- GEOG 222 Big Rivers of the World

Select one of the following six (6) courses:
- GEOG 101 Global Development & Environment
- GEOG 104 Social and Cultural Geography
- GEOG 105 The Digital Earth
- GEOG 106 Geographies of Globalization
- GEOG 210 Social & Environmental Issues
- GEOG 221 Geographies of Global Conflict

Select one of the following two (2) courses:
- GEOG 371 Spatial Analysis
- GEOG 379 Intro to GIS Systems

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

Physical Geography Concentration Requirements

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

200- to 400-level Geography and Geographic Information Science courses (of which at least 6 hours must be at the 300 or 400 level) selected from the following:
- GEOG 210 Social & Environmental Issues
- GEOG 222 Big Rivers of the World
- GEOG/ NRES 287 Environment and Society
- GEOG 370 Water Planet, Water Crisis
- ESE 320
- GEOG 371 Spatial Analysis
- GEOG 390 Individual Study
- GEOG 391 Honors Individual Study
- GEOG/ NRES 401 Watershed Hydrology

Information listed in this catalog is current as of 04/2020
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 405</td>
<td>Geography Field Course</td>
<td></td>
</tr>
<tr>
<td>GEOG 406</td>
<td>Fluvial Geomorphology</td>
<td></td>
</tr>
<tr>
<td>GEOG 408</td>
<td>Humans and River Systems</td>
<td></td>
</tr>
<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>
</tr>
<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 211</td>
<td>University Physics: Mechanics</td>
<td></td>
</tr>
</tbody>
</table>

Select one of the following: 4

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 102</td>
<td>General Chemistry I</td>
<td></td>
</tr>
<tr>
<td>&amp; CHEM 103</td>
<td>and 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 107</td>
<td>and General Chemistry Lab II</td>
<td></td>
</tr>
</tbody>
</table>

Total Hours required for graduation 120