GEOGRAPHY & GEOGRAPHIC INFORMATION SCIENCE: GEOGRAPHIC INFORMATION SCIENCE, BSLAS

For the Degree of Bachelor of Science in Liberal Arts & Sciences: Major in Geography & Geographic Information Science, Geographic Information Science 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).

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).

for the degree of Bachelor of Science in Liberal Arts & Sciences: Major in Geography & Geographic Information Science, Geographic Information Science 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>
</tbody>
</table>

Select one of the following three (3) courses: 3-4

- 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: 3-4

- 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: 4-8

- GEOG 371  Spatial Analysis
- GEOG 379  Intro to GIS Systems

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

Geographic Information Science 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>26-30</td>
</tr>
<tr>
<td>GEOG 371</td>
<td>Spatial Analysis</td>
<td>4</td>
</tr>
<tr>
<td>GEOG 380</td>
<td>GIS II: Spatial Problem Solving</td>
<td>4</td>
</tr>
</tbody>
</table>

Select one of the following courses: 3

- CS 105  Intro Computing: Non-Tech
- CS 125  Intro to Computer Science

or equivalent course approved by the Department's Advisor

Select a minimum of three courses from the following: 9-11

- GEOG 205  Business Location Decisions
- GEOG/SOC 280  Intro to Social Statistics
- GEOG 412  Geospatial Tech & Society
- GEOG/ATMS 421  Earth Systems Modeling
- GEOG/PATH 439  Health Applications of GIS
- GEOG 460  Aerial Photo Analysis
- GEOG 468  Biological Modeling
- GEOG 473  Digital Cartography & Map Design
- GEOG 476  Applied GIS to Environ Studies
- GEOG 477  Introduction to Remote Sensing
- GEOG 478  Techniques of Remote Sensing
- GEOG 479  Advanced Topics in GIS
- GEOG 480  Principles of GIS
- GEOG 489  Programming for GIS

Select two human and/or physical geography courses: 6-8

- GEOG 204  Cities of the World
- GEOG 210  Social & Environmental Issues
- GEOG 221  Geographies of Global Conflict
- GEOG 222  Big Rivers of the World
- GEOG 224  Geog Patterns of Illinois
- GEOG 287  Environment and Society
- GEOG 350  Sustainability and the City
- GEOG 356  Sustainable Development in South Asia
- GEOG 370  Water Planet, Water Crisis
- GEOG 384  Population Geography
- GEOG 401  Watershed Hydrology

Information listed in this catalog is current as of 04/2019
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 405</td>
<td>Geography Field Course</td>
</tr>
<tr>
<td>GEOG 406</td>
<td>Fluvial Geomorphology</td>
</tr>
<tr>
<td>GEOG 408</td>
<td>Humans and River Systems</td>
</tr>
<tr>
<td>GEOG 410</td>
<td>Green Development</td>
</tr>
<tr>
<td>GEOG 436</td>
<td>Biogeography</td>
</tr>
<tr>
<td>GEOG 438</td>
<td>Geography of Health Care</td>
</tr>
<tr>
<td>GEOG 446</td>
<td>Sustainable Planning Seminar</td>
</tr>
<tr>
<td>GEOG 455</td>
<td>Geog of Sub-Saharan Africa</td>
</tr>
<tr>
<td>GEOG 465</td>
<td>Transportation &amp; Sustainability</td>
</tr>
<tr>
<td>GEOG 466</td>
<td>Environmental Policy</td>
</tr>
<tr>
<td>GEOG 471</td>
<td>Recent Trends in Geog Thought</td>
</tr>
<tr>
<td>GEOG 482</td>
<td>Challenges of Sustainability</td>
</tr>
<tr>
<td>GEOG 483</td>
<td>Urban Geography</td>
</tr>
<tr>
<td>GEOG 484</td>
<td>Cities, Crime, and Space</td>
</tr>
<tr>
<td>GEOG 493</td>
<td>Democracy and Environment</td>
</tr>
<tr>
<td>GEOG 496</td>
<td>Climate &amp; Social Vulnerability</td>
</tr>
</tbody>
</table>

Total hours required for graduation 120