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/has/geography)
department website: https://geog.illinois.edu/
department faculty: Geography Faculty (http://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; 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).

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

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

Geographic Information Science Concentration Requirements

Geographic Information Science Concentration Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>Total concentration-required hours</td>
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<td>26-30</td>
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<tr>
<td>GEOG 371 Spatial Analysis</td>
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<tr>
<td>GEOG 380 GIS II: Spatial Prob Solving</td>
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</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 Intro to Social Statistics 280
- 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>
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<tbody>
<tr>
<td>GEOG 405</td>
<td>Geography Field Course</td>
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<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>
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<tr>
<td>GEOG 436</td>
<td>Biogeography</td>
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<tr>
<td>GEOG 438</td>
<td>Geography of Health Care</td>
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<tr>
<td>GEOG 446</td>
<td>Sustainable Planning Seminar</td>
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<tr>
<td>GEOG 455</td>
<td>Geog of Sub-Saharan Africa</td>
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<tr>
<td>GEOG 465</td>
<td>Transportation &amp; Sustainability</td>
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<tr>
<td>GEOG 466</td>
<td>Environmental Policy</td>
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<tr>
<td>GEOG 471</td>
<td>Recent Trends in Geog Thought</td>
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<tr>
<td>GEOG 482</td>
<td>Challenges of Sustainability</td>
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<td>GEOG 483</td>
<td>Urban Geography</td>
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<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>
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Total hours required for graduation: 120