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

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 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 (GGIS 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 & GIS Core Requirements

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

(Only students pursuing the Geographic Information Science Concentration are required to take both GGIS 371 and GGIS 379.)

Geographic Information Science Concentration Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
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<tbody>
<tr>
<td>GGIS 371</td>
<td>Spatial Analysis</td>
<td></td>
</tr>
<tr>
<td>GGIS 379</td>
<td>Introduction to Geographic Information Systems</td>
<td></td>
</tr>
</tbody>
</table>

Select one of the following courses: 3
- CS 105    Intro Computing: Non-Tech
- CS 124    Introduction to Computer Science I
- or equivalent course approved by the Department’s Advisor

Select a minimum of three (3) courses from the following: 9-11
- GGIS 205   Business Location Decisions
- GGIS/SOC 280 Intro to Social Statistics
- GGIS 407   Foundations of CyberGIS & Geospatial Data Science
- GGIS 412   Geospatial Technologies & Society
- GGIS/ATMS 421 Earth Systems Modeling
- GGIS/PATH 439 Health Applications of GIS
- GGIS 460   Aerial Photo Analysis
- GGIS 468   Biological Modeling
- GGIS 473   Digital Cartography & Map Design
- GGIS 476   Applied GIS to Environ Studies
- GGIS 477   Introduction to Remote Sensing
- GGIS 478   Techniques of Remote Sensing
- GGIS 479   Advanced Topics in GIS
- GGIS 480   Principles of Geographic Information Science
- GGIS 489   Programming for GIS

Select two (2) human and/or physical geography courses: 6-8
- GGIS 204   Cities of the World
- GGIS 210   Social & Environmental Issues
- GGIS 221   Geographies of Global Conflict
- GGIS 222   Big Rivers of the World
- GGIS 224   Environmental Data Science
- GGIS/NRES 287 Environment and Society
- GGIS 350   Sustainability and the City
- GGIS 356   Sustainable Development in South Asia
- GGIS 370/ESE 320 Water Planet, Water Crisis
- GGIS 384   Population Geography
- GGIS/NRES 401 Watershed Hydrology
- GGIS 405   Geography Field Course
- GGIS 406   Fluvial Geomorphology
- GGIS 408   Humans and River Systems
- GGIS 410   Green Development
- GGIS 436   Biogeography
- GGIS 438   Geography of Health Care
- GGIS/LA 446 Sustainable Planning Seminar
- GGIS 455   Geography of Sub-Saharan Africa
- GGIS 465   Transportation & Sustainability

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GGIS 466  Environmental Policy
GGIS 471  Modern Geographic Thought
GGIS/ESE 482 Challenges of Sustainability
GGIS 483  Urban Geography
GGIS 484  Cities, Crime, and Space
GGIS 496  Climate & Social Vulnerability

Total Hours Geographic Information Science Concentration Hours  26-30
Total Hours Required for Graduation  120

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/](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 (p. 1)
• Major in Geography & Geographic Information Science, Physical Geography Concentration, BSLAS ([http://catalog.illinois.edu/undergraduate/las/geography-geographic-information-science-bslas/physical-geography/](http://catalog.illinois.edu/undergraduate/las/geography-geographic-information-science-bslas/physical-geography/))

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/](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/](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, Geographic Information Science Concentration

Geography & Geographic Information Science
Geography & Geographic Information Science website ([https://ggis.illinois.edu/](https://ggis.illinois.edu/))
address
phone
e-mail
Geography & GIS Faculty ([https://ggis.illinois.edu/directory/faculty/](https://ggis.illinois.edu/directory/faculty/))

College of Liberal Arts & Sciences
LAS College website ([https://las.illinois.edu/](https://las.illinois.edu/))

Advising
e-mail
Geography & GIS advising ([https://ggis.illinois.edu/academics/undergraduate/advising/](https://ggis.illinois.edu/academics/undergraduate/advising/))

Admissions
Liberal Arts & Sciences Admissions & Requirements ([http://catalog.illinois.edu/schools/las/academic-units/](http://catalog.illinois.edu/schools/las/academic-units/))
University of Illinois Undergrad Admissions ([https://www.admissions.illinois.edu/](https://www.admissions.illinois.edu/))

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