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

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>
</tr>
</thead>
<tbody>
<tr>
<td>GGIS/ATMS 100</td>
<td>Introduction to Meteorology</td>
<td>3-4</td>
</tr>
<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>
<td></td>
</tr>
</tbody>
</table>

Select one of the following six (6) courses:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>GGIS 101</td>
<td>Global Development &amp; Environment</td>
</tr>
<tr>
<td>GGIS 104</td>
<td>Social and Cultural Geography</td>
</tr>
<tr>
<td>GGIS 105</td>
<td>The Digital Earth</td>
</tr>
<tr>
<td>GGIS 106</td>
<td>Geographies of Globalization</td>
</tr>
<tr>
<td>GGIS 210</td>
<td>Social &amp; Environmental Issues</td>
</tr>
<tr>
<td>GGIS 221</td>
<td>Geographies of Global Conflict</td>
</tr>
</tbody>
</table>

GIS Core (2) courses:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GGIS 371</td>
<td>Spatial Analysis</td>
<td>4-8</td>
</tr>
<tr>
<td>GGIS 379</td>
<td>Introduction to Geographic Information Systems</td>
<td></td>
</tr>
</tbody>
</table>

Geographic Information Science Concentration Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GGIS 371</td>
<td>Spatial Analysis</td>
<td></td>
</tr>
<tr>
<td>GGIS 380</td>
<td>Spatial Problem Solving</td>
<td></td>
</tr>
</tbody>
</table>

Select one (1) of the following courses:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS 105</td>
<td>Intro Computing: Non-Tech</td>
</tr>
<tr>
<td>CS 124</td>
<td>Introduction to Computer Science I</td>
</tr>
</tbody>
</table>

or equivalent course approved by the Department's Advisor

Information listed in this catalog is current as of 10/2022
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 Technology & 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
- 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/)
- Major in Geography & Geographic Information Science, Geographic Information Science Concentration, BSLAS (p. 1)

Information listed in this catalog is current as of 10/2022
• Major in Geography & Geographic Information Science, Physical Geography Concentration, BSLAS (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/)
• 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, Geographic Information Science Concentration

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Geography & Geographic Information Science
Geography & Geographic Information Science website (https://ggis.illinois.edu/)
address
phone
email
Geography & GIS Faculty (https://ggis.illinois.edu/directory/faculty/)

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

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

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

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