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://ggis.illinois.edu/
**department faculty:** Geography & GIS Faculty (https://ggis.illinois.edu/directory/faculty/)
**advising:** Geography & GIS advising (https://ggis.illinois.edu/academics/undergraduate/advising/)
**overview of college admissions & requirements:** Liberal Arts & Sciences (http://catalog.illinois.edu/schools/las/academic-units/)
**college website:** https://las.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 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></td>
<td><strong>Total Core Hours</strong></td>
<td>10-16</td>
</tr>
<tr>
<td></td>
<td><strong>Select one of the following three(3) courses:</strong></td>
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<tr>
<td>GGIS/ATMS 100</td>
<td>Introduction to Meteorology</td>
<td>3-4</td>
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<tr>
<td>GGIS 103</td>
<td>Earth's Physical Systems</td>
<td></td>
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<tr>
<td>GGIS 222</td>
<td>Big Rivers of the World</td>
<td></td>
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<td><strong>Select one of the following six (6) courses:</strong></td>
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<tr>
<td>GGIS 101</td>
<td>Global Development &amp; Environment</td>
<td>3-4</td>
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Information listed in this catalog is current as of 05/2022
<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<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>
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</tbody>
</table>

**GIS Core (2) courses:** 4-8

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

- GGIS 371: Spatial Analysis
- GGIS 379: Introduction to Geographic Information Systems

### Physical Geography Concentration Requirements:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical Geography Concentration Requirements</td>
<td>25-27</td>
<td></td>
</tr>
</tbody>
</table>

200- to 400-level Geography courses (at least 6 hours of which must be at the 300- or 400-level) selected from the following:

- GGIS 210: Social & Environmental Issues
- GGIS 222: Big Rivers of the World
- GGIS/NRES 287: Environment and Society
- GGIS 370/ESE 320: Water Planet, Water Crisis
- GGIS 371: Spatial Analysis
- GGIS 379: Introduction to Geographic Information Systems
- GGIS 390: Independent Study
- GGIS 391: Honors Independent Study
- GGIS/NRES 401: Watershed Hydrology
- GGIS 405: Geography Field Course
- GGIS 406: Fluvial Geomorphology
- GGIS 408: Humans and River Systems
- GGIS 412: Geospatial Technology & Society
- GGIS/ATMS 421: Earth Systems Modeling
- GGIS 436/IB 439: Biogeography
- GGIS 460: Aerial Photo Analysis
- GGIS 468: Biological Modeling
- GGIS 471: Modern Geographic Thought
- 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
- MATH 220: Calculus 4-5
  or MATH 221: Calculus I
- PHYS 101: College Physics: Mech & Heat 4-5
  or PHYS 211: University Physics: Mechanics

Select one of the following: 4

- CHEM 102: General Chemistry I
  & CHEM 103: and General Chemistry Lab I
- CHEM 104: General Chemistry II
  & CHEM 105: and General Chemistry Lab II

Total Hours required for graduation 120