for the degree of Bachelor of Science in Liberal Arts & Sciences Major in Computer Science & Geography & Geographic Information Science

**computer science degree information:** [CS + X Degrees](https://cs.illinois.edu/academics/undergraduate/degree-program-options/cs-x-degree-programs/#requirements)

**geography & geographic information science information:** [CS + GGIS](https://cs.illinois.edu/academics/undergraduate/degree-program-options/cs-x-degree-programs/computer-science-geography)

[department page](https://www.geog.illinois.edu/)

[overview of college admissions & requirements](http://catalog.illinois.edu/schools/las/academic-units)

[college websites](https://las.illinois.edu/) and [https://engineering.illinois.edu](https://engineering.illinois.edu)

[geography & geographic information email](mailto:ggis-advisor@illinois.edu)

[computer science email](mailto:undergrad@cs.illinois.edu) (academic@cs.illinois.edu)

Please see the computer science advisor as well as the geography advisor.

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A Major Plan of Study Form must be completed and submitted to the LAS Student Academic Affairs Office by the beginning of the fifth semester (60-75 hours).

**General education:** Students must complete the Campus General Education ([https://courses.illinois.edu](https://courses.illinois.edu)) requirements including the campus general education language requirement.

Minimum required major and supporting course work: Normally equates to 66 hours. Twelve hours of 300- and 400-level in the major must be taken on this campus.

Minimum hours required for graduation: 120 hours.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS 100</td>
<td>Freshman Orientation (recommended)</td>
<td>1</td>
</tr>
<tr>
<td>CS 125</td>
<td>Intro to Computer Science</td>
<td>4</td>
</tr>
<tr>
<td>CS 126</td>
<td>Software Design Studio</td>
<td>3</td>
</tr>
<tr>
<td>CS 173</td>
<td>Discrete Structures</td>
<td>3</td>
</tr>
<tr>
<td>CS 225</td>
<td>Data Structures</td>
<td>4</td>
</tr>
<tr>
<td>CS 233</td>
<td>Computer Architecture</td>
<td>4</td>
</tr>
<tr>
<td>CS 241</td>
<td>System Programming</td>
<td>4</td>
</tr>
<tr>
<td>Choose one of the following:</td>
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</tbody>
</table>

Information listed in this catalog is current as of 08/2019
GEOG 436  Biogeography
GEOG 438  Geography of Health Care
GEOG 446  Sustainable Planning Seminar
GEOG 455  Geog of Sub-Saharan Africa
GEOG 465  Transportation & Sustainability
GEOG 466  Environmental Policy
GEOG 471  Recent Trends in Geog Thought
GEOG 481
GEOG 482  Challenges of Sustainability
GEOG 483  Urban Geography
GEOG 484  Cities, Crime, and Space
GEOG 493
GEOG 496  Climate & Social Vulnerability

Total hours 120

1 CS 100 (http://catalog.illinois.edu/search/?P=CS%20100) is an orientation course aimed at first-year students, so students who declare the major after the freshman year are not required to complete it.