GEOGRAPHIC INFORMATION SCIENCES MINOR

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Geographic information sciences (GISc) is the study of geospatial phenomena using an integrated set of spatial digital technologies including tools, techniques, concepts, and datasets associated with geographic information systems, remote sensing, data visualization, global positioning systems, spatial analysis, and quantitative methods. The GISc minor provides cutting-edge training in geographic information systems (GIS), remote sensing (RS), and global positioning systems (GPS) and their application in solving real world problems. Students who complete the program will be ready to enter the job market with a competitive advantage in geographic information sciences.

Department Programs

Major

- Geography Major, B.A. (http://catalog.unc.edu/undergraduate/programs-study/geography-major-ba/)

Minor

- Environmental Justice Minor (http://catalog.unc.edu/undergraduate/programs-study/environmental-justice-minor/)
- Geography Minor (http://catalog.unc.edu/undergraduate/programs-study/geography-minor/)
- Geographic Information Sciences Minor (p. 1)

Graduate Programs

- M.A. in Geography (http://catalog.unc.edu/graduate/schools-departments/geography/)
- Ph.D. in Geography (http://catalog.unc.edu/graduate/schools-departments/geography/)

Requirements

In addition to the program requirements listed below, students must:

- take at least nine hours of their minor ‘core’ requirements at UNC–Chapel Hill
- earn a minimum of 12 hours of C or better in the minor (some minors require more)

For more information, please consult the degree requirements section of the catalog (http://catalog.unc.edu/undergraduate/general-education-curriculum-degree-requirements/#degreerequirementstext).

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>GEOG 215</td>
<td>Introduction to Spatial Data Science</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 370</td>
<td>Introduction to Geographic Information</td>
<td>3</td>
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<tr>
<td>ANTH 419</td>
<td>Anthropological Application of GIS</td>
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<tr>
<td>GEOG 477</td>
<td>Introduction to Remote Sensing of the Environment</td>
<td></td>
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<tr>
<td>GEOG/PLAN491</td>
<td>Introduction to GIS</td>
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<td>GEOG 541</td>
<td>GIS in Public Health</td>
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<td>GEOG 544</td>
<td>Geographic Information Systems for Impact Evaluation and Health Studies</td>
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<tr>
<td>GEOG 577</td>
<td>Advanced Remote Sensing</td>
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<td>GEOG 591</td>
<td>Applied Issues in Geographic Information Systems</td>
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<td>GEOG 592</td>
<td>Geographic Information Science Programming</td>
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<tr>
<td>GEOG 594</td>
<td>Global Positioning Systems and Applications</td>
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Total Hours 15

This minor is open to all undergraduate students. For geography majors and minors, please note that no more than 45 hours of GEOG course credit may be used toward fulfilling the B.A. graduation requirement in the College of Arts and Sciences.

See the program page here (http://catalog.unc.edu/undergraduate/programs-study/geography-major-ba/#opportunitiestext) for special opportunities.