BS MAJOR IN GEOGRAPHY IN INFORMATION SCIENCE

Requirements for a Bachelor of Science Degree with a Major in Geography in Information Science

Additional Graduation Requirements (https://catalog.una.edu/undergraduate/academic-procedures-requirements/graduation-requirements)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>Area I (Written Composition)</td>
<td>6</td>
<td></td>
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<tr>
<td>Area II (Humanities and Fine Arts)</td>
<td>12</td>
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<tr>
<td>Area III (Natural Sciences and Mathematics)</td>
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<tr>
<td>Area IV (History, Social and Behavioral Sciences)</td>
<td>12</td>
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<tr>
<td>Area V (<a href="https://www.una.edu/areav">https://www.una.edu/areav</a>)</td>
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**Major Core Requirements in Geographic Information Science**

- GE 102 Global Environments and Societies ¹ 3
- GE 111 Physical Geography: Weather and Climate ¹ 4
- or GE 111H Honors Physical Geography: Weather and Climate
- GE 112 Physical Geography-Landforms ¹ 4
- or GE 112H Honors Physical Geography: Landforms
- GE 184 Digital Earth 3
- GE 260 People, Place, and Culture 3
- GE 300W History and Philosophy of Geography 3
- GE 325 Cartography 3
- GE 384 Geographic Information Systems 4
- Select one course from Regional Geography 3
- Experiential Learning ³

**Prescribed Supporting Courses**

- Select one Microcomputer Course ² 2
- Select one Statistics Course 3

**Additional Requirements**

- GE 224 Field Methods and Technology in Geography 3
- GE 323 Image Interpretation and Analysis 3
- GE 454 Remote Sensing 4
- GE 464 GIS Programming 3
- GE 484 Applied Geospatial Analysis 3
- Select one Database Management Course 3
- Select 9 hours of additional course work either geography or related course work recommended by academic advisor 9

**Minor**

A minor or second major is not required for the Geographic Information Science major.

**General Elective hours, if required, to bring total to 120**

**Total Hours** 108

¹ These courses are required in the major if not completed as part of the General Education component
² Fulfills computer literacy requirement
³ Experiential Learning includes: Field Courses, Study Abroad, Internships, Co-ops, Geography Capstone Project, and Service learning, or other courses for which 80% of the course credit derives from field activities as determined by the department