### General Studies

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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<tr>
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<td>34 min</td>
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<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>Major courses</td>
<td>65</td>
</tr>
<tr>
<td>Electives</td>
<td>21</td>
</tr>
</tbody>
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### Total to graduate (min. 40 hrs upper-division)

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<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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<td>120 min</td>
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This sheet applies to the 2010-2011 catalog only. It does not replace the full catalog or departmental advising sheets as official statements of requirements. Students with declared majors must work with a faculty advisor on course selection and sequencing to ensure a timely graduation.

### GENERAL STUDIES

**Composition**

- ENG 1010 - 3 Freshman Comp: the Essay
- ENG 1020 - 3 Freshman Comp: Anal., Rsrch & Docum.

**Mathematics**

- MTH 1110 - 4 College Algebra
- MTH 1400 - 4 Precalculus
- MTH 1410 - 4 Calculus

**Communications**

- - 3

**Historical**

- - 3

**Arts & Letters**

- - 3
- - 3

**Social Sciences** (see faculty advisor)

- - 3
- - 3

**Natural Sciences** (see faculty advisor)

- - 3
- - 3

**Multicultural Requirement**

*(may be satisfied within General Studies, major, minor or electives)*

- - 3

### REQUIRED CORE

- GEG 1220-2 Map Use
- GEG 1610-1 Introduction to Planning
- GEG 4950-2 Internship in Land Use
- or GEL 4950-2 Internship in Geology
- or ENV 4950-2-15 Internship in Environmental Science
- GEL 1010-4 Physical Geology
- or GEG 1100-3 Introduction to Physical Geography
- GIS 2250-3 Introduction to Geographic Information Systems
- MTH 1210-4 Introduction to Statistics

Students must complete each course with a grade of “C” or better. Cannot take pass/fail.

### MAJOR COURSES

- GEG 3610-3 Principles of Land Use Planning
- GIS 2710-2 Global Positioning Systems
- GIS 3250-3 Cartography
- GIS 4840-3 Remote Sensing
- GIS 4850-4 Spatial Modeling in Raster
- GIS 4860-4 GIS Applications
- GIS 4870-3 Spatial Databases
- GIS 4890-3 Advanced GIS Project (Senior Experience)

Electives: Select courses from the following list for a total of at least 46 hrs.:

- CIS 1247-4 Intro to Programming: Visual Basic
- GIS 4880-1-3 Current Topics in GIS: Variable Topics
- MTH 3240-4 Environmental Statistics

### Required Area of Interest: Select 19 hours from Areas of Interest listed in the catalog or design one with approval of departmental advisor or select a minor in Computer Science; (CS), CIS, General Business, International Business, Marketing, or Criminal Justice and Criminology.