### General Studies

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<table>
<thead>
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<tbody>
<tr>
<td>Major courses</td>
<td>65</td>
</tr>
<tr>
<td>Electives</td>
<td>22</td>
</tr>
<tr>
<td>Total to graduate (min. 40 hrs upper-division)</td>
<td>120 min</td>
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</tbody>
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Students who have reached junior standing (60 hrs) should request a CAPP (graduation compliance report) and review it with a faculty advisor.

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### TO BE COMPLETED WITHIN FIRST 30 COLLEGE-LEVEL CREDIT HOURS

#### Written Communication

- **ENG 1010** (3 hrs.) Freshman English: The Essay*
- **ENG 1008/1009** (6 hrs.) Freshman Comp: The Essay Part I & II*
- **ENG 1020** (3 hrs.) Freshman English: Anal., Rsrch. & Docum.

(to be completed within 45 college-level credit hours)

#### Quantitative Literacy

- **MTH 1110** or **MTH 1400** or **MTH 1410**

#### Oral Communication

- (3 hrs.)

#### Arts and Humanities

- (3 hrs.)
- (3 hrs.)

#### Historical

- (3 hrs.)

#### Natural and Physical Sciences

- (3 hrs.)
- (3 hrs.)

#### Social and Behavioral Sciences I

- (3 hrs.)

#### Social and Behavioral Sciences II

- (3 hrs.)

#### Global Diversity

- (3 hrs.) may be satisfied within General Studies
- **Multicultural Requirement** may be satisfied in Gen Studies, major, minor, or electives

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### MAJOR CORE COURSES (Please see a Faculty Advisor)

- Students must receive a C or better in all courses.

#### GEG 1220 (2 hrs) Map Use

#### GEG 1610 (1 hr) Introduction to Planning

#### GEL 1010 (4 hrs) Physical Geology

#### OR GEG 1100 (3 hrs) Introduction to Physical Geography

#### OR GEG 4950 (2-15 hrs) Internship in Land Use

#### OR GEL 4950 (2-15 hrs) Internship in Geology

#### OR ENV 4950 (2-15 hrs) Internship in Environmental Science

#### MTH 2250 (3 hrs) Introduction to GIS

#### MTH 1210 (4 hrs) Introduction to Statistics

### Geographic Information Systems (GIS) Concentration:

Students must complete each course with a grade of "C" or better. The course cannot be taken pass/fail.

- **GEG 3610** - Principles of Land Use Planning
- **GIS 2710** - Global Positioning Systems
- **GIS 3250** - Cartography
- **GIS 4840** - Remote Sensing
- **GIS 4850** - Spatial Modeling in Raster
- **GIS 4860** - GIS Applications
- **GIS 4870** - Spatial Databases
- **GIS 4890** - Advanced GIS Project

Select from the following to a total of 46 hrs.

- **GIS 4880** - Current Topics in GIS: Variable Topics
- **MTH 3240** - Environmental Statistics
- **CSS 1247** - Introduction to Programming: Visual Basic

Because GIS is an application tool, students are required to specialize in an **area of interest**. A student can select one of the following interest areas (Environment, Meteorology, Planning, Resources) or design one with the approval of a department advisor or select a minor in Computer Science (School of Letters, Arts and Sciences); Computer Information Systems, General Business, International Business, Marketing (School of Business), or Criminal Justice and Criminology (School of Professional Studies).

#### Areas of Interest

- **Environment (19 hrs, See Catalog for approved courses)**
- **OR Meteorology (19 hrs, See Catalog for approved courses)**
- **OR Planning (19 hrs, See Catalog for approved courses)**
- **OR Resources (19 hrs, See Catalog for approved courses)**
- **OR Surveying and Mapping (19 hrs, See Catalog for approved courses)**