### UNIVERSITY CORE

#### A. Core Foundations

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CORE 101</td>
<td>Mathematical Sciences (3 SH)</td>
<td>3</td>
</tr>
<tr>
<td>CORE 102</td>
<td>Natural Sciences (4 SH)</td>
<td>3</td>
</tr>
<tr>
<td>HNRS 103*</td>
<td>Students can use only one course with their major prefix to fulfill core requirements.</td>
<td></td>
</tr>
<tr>
<td>CORE 201</td>
<td>Visual &amp; Performing Arts (3 SH)</td>
<td></td>
</tr>
<tr>
<td>CORE 202</td>
<td>Humanities (3 SH)</td>
<td>3</td>
</tr>
</tbody>
</table>

**Note:** Courses listed in multiple areas can only be used to fulfill a single area requirement.

### B. Core Skills & Knowledge

Courses must be from different disciplines:

- [MATH 137, 138, or 151](#) (137 is prerequisite for 425)
- [ENGL 200, 203, GEOS 201, 202, 203](#) HIST 111, 112, POSC 120, SOCY 110
- [GEOG 130](#) (or GEOL 105)
- [VISUAL & PERFORMING ARTS (3 SH)](#)
- [PHYSICS (3 SH)](#)
- [CALCULUS (4 SH)](#)

### Additional Courses Required for the GEOG 130 Concentration:

- GEOS 101, 102, 110
- [MATHEMATICAL SCIENCES (3 SH)](#)
- [ENGLISH (4 SH)](#)
- [NATURAL SCIENCES (4 SH)](#)
- [VISUAL & PERFORMING ARTS (3 SH)](#)
- [HUMANITIES (3 SH)](#)

### COLLEGE CORE

#### A. National & International Perspectives

Courses must be from different disciplines:

- [U.S. PERSPECTIVES (3 SH)](#)
- [GLOBAL PERSPECTIVES (3 SH)](#)

#### B. Supporting Skills & Knowledge

- [NATURAL SCIENCES OR MATH (3-4 SH)](#)
- [HUMANITIES, VISUAL & PERFORMING ARTS, OR FOREIGN LANGUAGES (3-4 SH)](#)

### GEOSS Major Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 101</td>
<td>Europe and the Americas</td>
<td>F/S</td>
</tr>
<tr>
<td>GEOG 102</td>
<td>Africa and Asia</td>
<td>F/S/F/SU</td>
</tr>
<tr>
<td>GEOG 103</td>
<td>Introduction to Human Geography</td>
<td></td>
</tr>
<tr>
<td>GEOG 125</td>
<td>Introduction to Geospatial Data</td>
<td>F/S</td>
</tr>
<tr>
<td>GEOG 130</td>
<td>Physical Geography</td>
<td>F/S/F/SU</td>
</tr>
<tr>
<td>GEOG 211</td>
<td>Perspectives in Geography</td>
<td>F</td>
</tr>
<tr>
<td>GEOG 250</td>
<td>Intro to GIS</td>
<td>F</td>
</tr>
<tr>
<td>GEOG 270</td>
<td>Introduction to Cartography</td>
<td>F</td>
</tr>
<tr>
<td>GEOG 380</td>
<td>Spatial Analysis Techniques</td>
<td>GEOG 250 and STAT 200</td>
</tr>
<tr>
<td>GEOG 490</td>
<td>Field Research Methods</td>
<td>F</td>
</tr>
<tr>
<td>GEOG 496</td>
<td>Senior Capstone Project</td>
<td>GEOG 211</td>
</tr>
</tbody>
</table>

### Additional Courses Required for the Geoinformatics Concentration:

- [GEOS 315](#) Intermediate GIS Concepts
- [GEOS 410](#) Advanced GIS
- [GEOS 425](#) Remote Sensing
- [GEOS 480*](#) Seminar
- [GEOS 498*](#) Independent Study
- [ENGL 306](#) Professional Writing (Required)
- [ITEC 304](#) Database from the Manager’s Perspective

### Three courses selected from the following list:

- [ART 280](#) Introduction to Graphic Design
- [ENGL 406](#) Advanced Technical Writing
- [ITEC 120](#) Principles of Computer Science
- [ITEC 122](#) Discrete Mathematics
- [ITEC 220](#) Principles of Computer Science II
- [MATH 137](#) College Algebra
- [MATH 138](#) Pre-calculus Function Analysis
- [MATH 151](#) Calculus and Analytic Geometry I
- [MATH 152](#) Calculus and Analytic Geometry II

### B.S. Requirements (8 hrs.) of Natural Science in addition to the Core Curriculum Requirements

- [APST 200](#) recommended
- [STAT 200](#) recommended
- [CLSS 110](#)
- [ENGL 200](#) HIST 101, 102 PHIL 111, 112, 114;
- [POS C 120, 122, 123](#)
- [THEA 100](#)
- [THEA 100, 102, 205, 305](#)
- [LANG 100, 101](#)
- [SPAN 100, 200](#)
- [SPAN 101](#)
- [SPAN 102, 205](#)
- [SOCY 110](#)

### Notes:

- * Honors course – will meet CORE 101 & 102 for those students in the RU honors program.
- **NOTE:** Courses listed in multiple areas can only be used to fulfill a single area requirement.
- Students can use only one course with their major prefix to fulfill core requirements.