# GEOGRAPHIC INFORMATION SCIENCE (GIS)
## TWO YEAR DEGREE MAP

### FOOTNOTES

1. CSC 101 should be taken in the first semester as it is a prerequisite course for CSC 110.
2. Students are required to take MAT 206.5. MAT 206.5 is a combination course of Intermediate Algebra and Trigonometry and Precalculus and will be used to satisfy the General Elective Requirement.
3. Students are advised to take GEO 100 to fulfill the World Culture & Global Issues requirement.
4. GEO 100 must be passed in order to take GIS 201 and GEO 226.
5. MAT 206.5 must be passed in order to take MAT 209.
6. CSC 110 must be passed in order to take GIS 395.
7. GIS 201 must be passed in order to take GIS 261.
8. MAT 209 must be passed in order to take GIS 261.
9. GIS 261, MAT 395, and CSC 110 or CSC 111 must be completed before taking GIS 361.
10. GEO 100 must be passed in order to take GEO 241. Alternate option to GEO 241 are CED 201 and GIS 325. Students must have a B or better in both ENG 201 and SPE 100/102; completion of CED 201 and at least 36 credits including GIS 395, GIS 261 and MAT 209 in order to take GIS 325.
11. Please consult with an academic or faculty advisor.
12. Select any Creative Expression Pathways course except SPE 100 or SPE 102.
13. A Writing Intensive course is needed to graduate.

## YEAR 1

### SEMESTER 1

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 101</td>
<td>English Composition</td>
<td>3</td>
</tr>
<tr>
<td>CSC 101</td>
<td>Principles in Information Technology and Computation</td>
<td>3</td>
</tr>
<tr>
<td>MAT 206.5</td>
<td>Intermediate Algebra and Precalculus</td>
<td>4</td>
</tr>
<tr>
<td>GLY 210</td>
<td>Geology I</td>
<td>4</td>
</tr>
<tr>
<td>GEO 100</td>
<td>Introduction to Human Geography</td>
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**Total Credits:** 17

### SEMESTER 2

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</thead>
<tbody>
<tr>
<td>CSC 110</td>
<td>Computer Programming I</td>
<td>4</td>
</tr>
<tr>
<td>ENG 201</td>
<td>Introduction to Literature</td>
<td>3</td>
</tr>
<tr>
<td>GIS 201</td>
<td>Introduction to Geographic Methods</td>
<td>4</td>
</tr>
<tr>
<td>MAT 209</td>
<td>Statistics</td>
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**Total Credits:** 15

## YEAR 2

### SEMESTER 3

<table>
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</thead>
<tbody>
<tr>
<td>CIS 395</td>
<td>Database Systems I</td>
<td>3</td>
</tr>
<tr>
<td>GEO 226</td>
<td>Environmental Conservation-Resource Management</td>
<td>3</td>
</tr>
<tr>
<td>GIS 261</td>
<td>Introduction to Geographic Information Science</td>
<td>3</td>
</tr>
<tr>
<td>AFL 161</td>
<td>Health Problems in the Urban Community</td>
<td>3</td>
</tr>
<tr>
<td>SPE 100</td>
<td>Fundamentals of Public Speaking</td>
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</table>

**Total Credits:** 15

### SEMESTER 4

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<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>GIS 361</td>
<td>Advanced Geographic Information Science</td>
<td>3</td>
</tr>
<tr>
<td>GEO 241</td>
<td>Population Geography</td>
<td>3</td>
</tr>
<tr>
<td>XXX xxx</td>
<td>Individual and Society</td>
<td>3</td>
</tr>
<tr>
<td>XXX xxx</td>
<td>U.S. Experience in Its Diversity</td>
<td>3</td>
</tr>
<tr>
<td>XXX xxx</td>
<td>Creative Expression</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Credits:** 15

**Total Credits:** 62