# Geographic Information Science (GIS) Two Year Degree Map

## Year 1

### Semester 1
- **ENG 101** English Composition 3 CREDITS
- **CSC 101** Principles in Information Technology and Computation\(^1\) 3 CREDITS
- **MAT 206.5** Intermediate Algebra and Precalculus\(^2\) 4 CREDITS
- **GLY 210** Geology I 4 CREDITS
- **GEO 100** Introduction to Human Geography\(^3\) 3 CREDITS

### Semester 2
- **CSC 110** Computer Programming I 4 CREDITS
- **ENG 201** Introduction to Literature 3 CREDITS
- **GIS 201** Introduction to Geographic Methods\(^4\) 4 CREDITS
- **MAT 209** Statistics\(^5\) 4 CREDITS

## Year 2

### Semester 3
- **CIS 395** Database Systems \(^6\) 3 CREDITS
- **GEO 226** Environmental Conservation-Resource Management\(^4\) 3 CREDITS
- **GIS 261** Introduction to Geographic Information Science\(^7\) 3 CREDITS
- **AFL 161** Health Problems in the Urban Community 3 CREDITS
- **SPE 100** Fundamentals of Public Speaking\(^8\) 3 CREDITS

### Semester 4
- **GIS 361** Advanced Geographic Information Science\(^9\) 3 CREDITS
- **GEO 241** Population Geography\(^10\) 3 CREDITS
- **XXX xxx** Individual and Society\(^11\) 3 CREDITS
- **XXX xxx** U.S. Experience in Its Diversity\(^11\) 3 CREDITS
- **XXX xxx** Creative Expression\(\text{\textsuperscript{12}}\) 3 CREDITS

**TOTAL: 62 CREDITS**\(^{13}\)

## 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.

\(^{8}\) GIS 261, CIS 395, and CSC 110 or CSC 111 must be completed before taking GIS 361.

\(^{9}\) 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 CIS 395, GIS 261 and MAT 209 in order to take GIS 325.

\(^{10}\) Please consult with an academic or faculty advisor.

\(^{11}\) Select any Creative Expression Pathways course except SPE 100 or SPE 102.

\(^{12}\) A Writing Intensive course is needed to graduate.