# GEOSPATIAL INFORMATION SCIENCE, BS

## Example Plan of Study

**Finish in Four Plan of Study**

The plan below is an **example** of how students can successfully complete degree requirements in four years. This suggested class schedule plan may be used as a guide and can be adjusted based on individual needs. Students are required to meet with an academic advisor prior to enrollment each semester to plan their class schedule, and students are ultimately responsible for completing all degree requirements.

| Course | Title | Hours |
|---|---|---|
| **Freshman** | | |
| **Fall** | | |
| MATH 2144 | Calculus I (Q) | 4 |
| GEOG 1114 | Introduction to Physical Geography (LN) | 4 |
| General Education Courses | | 6 |
| | **Hours** | **14** |
| **Spring** | | |
| STAT 2013<br>or STAT 2053 | Elementary Statistics (Q)<br>or Elementary Statistics for the Social Sciences (Q) | 3 |
| GEOG 2344 | Digital Tools for Environmental Problem-Solving (LN) | 4 |
| CS 1113 | Computer Science I (Q) | 3 |
| General Education Courses | | 6 |
| | **Hours** | **16** |
| **Sophomore** | | |
| **Fall** | | |
| GEOG 3333 | Spatial Analysis (Q) | 3 |
| College and Elective courses | | 9 |
| CS 2133<br>or MSIS 2203<br>or MSIS 3103 | Computer Science II<br>or Computer Programming for Business<br>or End User Database Systems Design and Management | 3 |
| | **Hours** | **15** |
| **Spring** | | |
| GEOG 4203 | Fundamentals of Geographic Information Systems | 3 |
| Major, College, and Elective courses | | 12 |
| | **Hours** | **15** |
| **Junior** | | |
| **Fall** | | |
| GEOG 4333<br>or GEOG 4263<br>or GEOL 4303<br>or GEOG 4353<br>or GEOG 4373<br>or GEOG 4663 | Remote Sensing<br>or Geospatial Applications for Unmanned Aerial Systems<br>or Geophysical Field Methods<br>or Geographic Information Systems: Socioeconomic Applications<br>or Geographic Information Systems in Public Health<br>or Web GIS: Trends, Principles, and Applications | 3 |
| GEOG 4383 | Geospatial Programming with Python and AI Tools | 3 |
| Major, College, and Elective courses | | 9 |
| | **Hours** | **15** |
| **Spring** | | |
| GEOG 4323 | Mapping in Modern Society | 3 |
| GEOG 4343<br>or GEOG 4263<br>or GEOG 4663<br>or GEOL 4303 | Geographic Information Systems: Resource Management Applications<br>or Geospatial Applications for Unmanned Aerial Systems<br>or Web GIS: Trends, Principles, and Applications<br>or Geophysical Field Methods | 3 |
| Major, College, and Elective courses | | 9 |
| | **Hours** | **15** |
| **Senior** | | |
| **Fall** | | |
| GEOG 4353<br>or GEOG 4263<br>or GEOL 4303<br>or GEOG 4333<br>or GEOG 4373<br>or GEOG 4663 | Geographic Information Systems: Socioeconomic Applications<br>or Geospatial Applications for Unmanned Aerial Systems<br>or Geophysical Field Methods<br>or Remote Sensing<br>or Geographic Information Systems in Public Health<br>or Web GIS: Trends, Principles, and Applications | 3 |
| GEOG 4943 | Geospatial Information Science Internship/Research Capstone | 3 |
| Major, College, and Elective courses | | 9 |
| | **Hours** | **15** |
| **Spring** | | |
| Major, College, and Elective courses | | 15 |
| | **Hours** | **15** |
| | **Total Hours** | **120** |