



GIS Certificate Checklist

The GIS Certificate is a professional certification for students looking for a complete and well-rounded set of GIS skills. The Certificate is recommended for any student who is interested in having GIS as part of their resume and future work. **The certificate can be completed by any student regardless of their major.** Once completed, you need to complete an application in your final semester to receive the certificate and have it appear on your transcript.

Core classes - 6 credits

- _ GEOGRPHY 270 - GIS I: Introduction to GIS and Mapping
- _ GEOGRPHY 370 - GIS II: Spatial Data and Analysis
- o **both courses must be completed with a C grade or better**

Techniques core - 6 credits - choose two

- _ GEOGRPHY 340 - Economic Geography
- _ GEOGRPHY 377 - Remote Sensing of the Environment
- _ GEOGRPHY 380 - Cartography and Geovisualization
- o **both courses must be completed with a C grade or better**

Application elective - 3 credits - choose one

- _ GEOGRPHY 440 - Applied GIS: Applications for Business and Industry
- _ GEOGRPHY 460 - GIS in Water Resources
- _ GEOGRPHY 470 - Applied Environmental and Natural Resource GIS
- _ GEOGRPHY 477 - Advanced Geographic Information Systems (GIS)
- _ GEOGRPHY 485 - Internship in Geography (advanced approval required)
- _ GEOGRPHY 498 - Independent Study/Research (advanced approval required)
- o **course must be completed with a B grade or better**

Please see individual course requirements for required prerequisites.

