



GIS Minor Checklist (Fall 2015)

The GIS Minor is a flexible minor for students looking for a complete and well-rounded set of GIS skills to complement their major. The Minor has two emphasis options: 1) Urban-Economic and 2) Physical-Environmental. The Minor is recommended for any student who is interested in having GIS as part of their resume and future work. **The minor can only be completed by non-Geography majors.** Note that completing the GIS Minor will make you eligible for the GIS Certificate (given you meet the grade criteria).

Core classes - required by both emphases - 6 credits

- GEOGRPHY 270 - GIS I: Introduction to GIS and Mapping
- GEOGRPHY 370 - GIS II: Spatial Data and Analysis

Option A - Urban-Economic emphasis

Additional techniques requirements - 9 credits

- GEOGRPHY 340 - Economic Geography
- GEOGRPHY 440 - Applied GIS: Applications for Business and Industry
- GEOGRPHY 380 - Cartography and Geovisualization

Systematic courses - 6 credits - choose two

- GEOGRPHY 332 - Political Geography
- GEOGRPHY 334 - Historical Geography
- GEOGRPHY 335 - Geography of Population and Migration
- GEOGRPHY 344 - Urban Geography
- GEOGRPHY 444 - Urban Land Use Planning

Option B - Physical-Environmental emphasis

Additional techniques requirements - 9 credits

- GEOGRPHY 377 - Remote Sensing of the Environment
- GEOGRPHY 460 - GIS in Water Resources
- GEOGRPHY 470 - Applied Environmental and Natural Resource GIS

Systematic courses - 6 credits - choose two

- GEOGRPHY 300 - Soil Science
- GEOLOGY 301 - Environmental Geology
- GEOGRPHY 320 - Meteorology
- GEOGRPHY 323 - Water Resources
- GEOGRPHY 330 - Biogeography
- GEOGRPHY 352 - Geohazards
- GEOGRPHY 420 - Human Climate Interactions

Total credits: 21

Please see individual course details for required prerequisites.