

CHECK SHEET
GEOGRAPHY MAJOR: GEOGRAPHIC INFORMATION SCIENCE
Major Code BS4235

The goal of the Geography—Geographic Information Systems Analyst major program is to provide a technical background for geographers interested in working with business, government, or planning agencies. The emphasis of the program is to develop a strong background in the field of geographic information science, as practiced in the fields of cartography, remote sensing, and quantitative methods.

55 HOURS of approved geography courses, including:

- ___ GEOG 101: Physical Geography (5)
- ___ GEOG 121: Human Geography (4)
- ___ GEOG 268: Intro to GIS & Mapping Sciences (4)
- ___ GEOG 271: Intro to Statistics (4)

One regional course from the following:

- ___ GEOG 131: Globalization and the Developing World (4)
- ___ GEOG 132: Industrial World (4)
- ___ GEOG 232: Geography of Ohio (4)
- ___ GEOG 234: Geography of U.S. & Canada (4)
- ___ GEOG 330: Geography of Western Europe (4)
- ___ GEOG 331: Geography of Africa (4)
- ___ GEOG 333: Appalachia: Land and People (4)
- ___ GEOG 334: Historical Geography of the United States (4)
- ___ GEOG 335: Geography of Latin America (4)
- ___ GEOG 338: Geography of Southeast Asia (4)

GIScience Requirements

- ___ GEOG 360: Cartography I (5)
- ___ GEOG 466: Remote Sensing (5)
- ___ GEOG 471: Quantitative Methods (4)
- ___ GEOG 478: Principles of GIS (5)

Two Core Electives from the following:

- ___ GEOG 361: Cartography II (5)
- ___ GEOG 365: Air Photo Interpretation (4)
- ___ GEOG 467: Remote Sensing Applications (5)
- ___ GEOG 468: Cartography III (5)
- ___ GEOG 474: Application Development in Geographic Information Science (4)
- ___ GEOG 475: GIS Modeling and Simulation (4)
- ___ GEOG 479: Geographic Information Analysis (5)

Two Applied and Topical Courses from the following:

- ___ GEOG 315: Landforms and Landscapes (5)
- ___ GEOG 316: Biogeography (4)
- ___ GEOG 321: Population Geography (4)
- ___ GEOG 326: Urban Geography (4)
- ___ GEOG 350: Land Use Planning (4)
- ___ GEOG 353: Environmental Planning (4)
- ___ GEOG 358: Environmental Risk Assessment (4)
- ___ GEOG 417: Landscape Ecology (4)
- ___ GEOG 440: Env. Impact Analysis (4)
- ___ GEOG 447: Natural Resource Conservation (4)
- ___ GEOG 456: City and the Environment (4)
- ___ GEOG 476: Field Methods (4)

Recommended Electives

- ___ CS 210: Programming in C (5)
- ___ CS 220: Intro to Computing (5)
- ___ CS 230: Computer Programming I (5)
- ___ CS 309: C++ For Non-Majors (4)