Minor in Geographic Information Systems (GIS)
The minor in Geographic Information Systems (GIS) is designed to prepare students with the skills necessary to analyze and solve spatial problems, identify geographic patterns, and enter the rapidly expanding field of Geographic Information Science. Employment opportunities are limitless for students who are proficient with this interdisciplinary tool. Well-qualified GIS specialists are much sought after in the areas of environmental science, physical sciences, business, economics, education, government, NGOs, community organizations, and urban and regional planning agencies.

Students are given hands-on experience with state-of-the-art GIS and GPS equipment, preparing them to use this technology within their chosen career fields.

Geographic Information Systems
Department of Social Sciences
Minor Advisor: Jim Handley
20 credits are required

Required Courses
GEOG-251 Introduction to Geography and Geographic Information Systems ..........4
GEOG-351 Intermediate Geographic Information Systems .........................................4
GEOG-451 Advanced Geographic Information Systems ...........................................4
GEOG-452 Geographic Information Systems Research Applications .................. 2-4

Selectives
Additional courses from the list below to complete a minimum of 20 credits will be selected in consultation with your adviser. A minimum grade of “C” is required for all courses applied to the Geographic Information Systems minor.
ANTH  290  Global Political Ecology
ANTH  400  Applied Anthropology
APSS  349  Coop Ed. Experience
APSS  300  Applied Social Analysis II
APSS  400  Applied Social Analysis III
BIO  242   Botany
BIO  343   Plant Physiology
BIO  350   Ecology
BIO  352   Plant Ecology
BIO  386   Quantitative Biology
BIO  450   Aquatic Ecology and Management
BIO  452   Wetland Ecology
BUMIS 333 Management Information Systems - Decision Support Systems
BUSCM 338 Principles Of Logistics
BUSCM 439 Seminar: Supply Chain Systems Design
CHEM  353   Environmental Chemistry
CHEM  452   Environmental Regulations Management
ENSC  425   Environmental Science and Sustainability Capstone
GEOG  290   Global Political Ecology
PAX  301   Conflict Analysis and Peace Building
PHYS  257   Introduction To Geology And Soil Mechanics
PHYS  358   Soil Science and Conservation
PM  362   Real Estate Market Analysis and Investment Analysis
PM  371   Commercial/Residential Property Development And Management
POLS  250   History of Race, Politics and Technology
SOC  290   Global Political Ecology
SUST  425   Sustainable Design & Development Capstone