

Graduate Certificate in Geographical Information Science - Interdisciplinary

This certificate is designed to provide students with the theoretical, practical and technical skills that are essential for the analysis of spatial data. Students from a wide range of disciplines will benefit by becoming proficient in the use and application of GIS technologies through a flexible set of courses and hands-on experiences. The program offers the training and experience necessary to prepare for the rapidly expanding professional opportunities available in the diverse set of fields that depend on geographic information.

Requirements

A student must complete a minimum of 12 hours of approved coursework, and must earn a grade of at least B (3.0) in each course.

Group A (Foundation courses, one from this group)

GEOG 7840	Geographic Information Systems I
NAT_R 8325	Introduction to Geographic Information Systems

Group B (Theoretical Breadth courses, at least one from this group)

GEOG 7710	Spatial Analysis in Geography
GEOG 7740	Location Analysis and Site Selection
FOREST 7360	Forest Measurements
GEOG 7810	Landscape Ecology and GIS Analysis I
GEOG 7790	Geographic Information Systems for the Social Sciences

Group C (Technical Breadth and Application courses, at least one from this group)

GEOG 7940	Advanced Geographic Information Systems (GIS II)
GEOG 7860	Advanced Remote Sensing
GEOG 7850	Transportation Geography
GEOG 7130	The Geospatial Sciences in National Security
NAT_R 8365	GIS Applications
NAT_R 8395	Landscape Ecology and GIS Analysis II
PUB_AF 8320	Spatial Analysis for Public Affairs

Capstone experience (or substitute 1 additional course from above)

GEOG 8085	Special Investigations in Geography
FOREST 8050	Research in Forestry