

GEOGRAPHIC INFORMATION SCIENCE - GRADUATE CERTIFICATE

College of Arts and Sciences
 Department of Geography
 413 McGilvrey Hall
 Kent Campus
 330-672-2045
 geography@kent.edu
 www.kent.edu/geography

Description

The Geographic Information Science graduate certificate prepares graduates to work in the geospatial technology industry, as well as in allied industries that rely on employees who are highly trained in this technology. Prospective employers are private and public sector entities that need to manage large systems and big geospatial data, map and analyze health data, and map and analyze environmental conditions and resources. Examples of such employers are local, state and federal government agencies; business that focus on logistics, marketing and engineering; and non-profit agencies in health services and environmental management.

Fully Offered At:

- Online

Admission Requirements

- Official transcript(s)
- Undergraduate degree in geography or a related field¹
- Minimum 3.000 undergraduate GPA
- Goal statement
- Two letters of recommendation

For more information about graduate admissions, please visit the Graduate Studies website.

¹ Requirement that undergraduate degree be in geography or related field may be waived with evidence of professional experience using geospatial technologies or alternative evidence of ability to excel in a geographic information science graduate program.

Gainful Employment Disclosure

Disclosure statement for this certificate.

Program Requirements

Certificate Requirements

Code	Title	Credit Hours
Certificate Requirements		
GEOG 59071	FUNDAMENTALS OF GEOGRAPHIC INFORMATION SCIENCE I	3
GEOG 59081	FUNDAMENTALS OF GEOGRAPHIC INFORMATION SCIENCE II	3

GEOG 69164	CARTOGRAPHIC DESIGN	3
Certificate Elective, choose from the following:		6
CS 61002	ALGORITHMS AND PROGRAMMING I	
DSCI 64210	DATA SCIENCE	
GEOG 69004	QUANTITATIVE METHODS IN GEOGRAPHY	
GEOG 59072	GEOGRAPHIC INFORMATION SCIENCE AND HEALTH	
GEOG 59075	GEOGRAPHIC INFORMATION SCIENCE:APPLICATIONS FOR SOCIAL PROBLEMS	
GEOG 59076	SPATIAL PROGRAMMING	
GEOG 59078	GEOGRAPHIC INFORMATION SCIENCE AND ENVIRONMENTAL HAZARDS	
GEOG 69004	QUANTITATIVE METHODS IN GEOGRAPHY	
GEOG 69007	SPATIOTEMPORAL ANALYTICS	
GEOG 69073	GEOGRAPHIC INFORMATION SCIENCE: GLOBAL HEALTH	
GEOG 69074	GEOGRAPHIC INFORMATION SCIENCE: SPATIAL ANALYSIS FOR HEALTH GEOGRAPHY	
GEOG 69079	ENVIRONMENTAL GEOGRAPHIC INFORMATION SCIENCE	
GEOG 69082	CYBERGIS	
GEOG 69083	GEODATABASES	
GEOG 69231	ENVIRONMENTAL REMOTE SENSING	
Minimum Total Credit Hours:		15

Graduation Requirements

Minimum Certificate GPA	3.000
--------------------------------	-------