

# 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

|            |  |
|------------|--|
| CS 61002   | ALGORITHMS AND PROGRAMMING I                 |
| DSCI 64210 | DATA SCIENCE                                 |
| GEOG 69004 | QUANTITATIVE METHODS IN GEOGRAPHY            |
| GEOG 69007 | SPATIOTEMPORAL ANALYTICS                     |
| GEOG 69079 | ENVIRONMENTAL GEOGRAPHIC INFORMATION SCIENCE |
| GEOG 69082 | CYBERGIS                                     |
| GEOG 69083 | GEODATABASES                                 |
| GEOG 69231 | ENVIRONMENTAL REMOTE SENSING                 |

Minimum Total Credit Hours: 14

## Graduation Requirements

**Minimum Certificate GPA**  
 3.000

## 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 field<sup>1</sup>
- Minimum 3.000 undergraduate GPA
- Goal statement
- Two letters of recommendation

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

<sup>1</sup> 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

[C611]

#### Certificate Requirements

|  |   |     |
|--|---|-----|
| GEOG 59070                                       | GEOGRAPHIC INFORMATION SCIENCE          | 4   |
| GEOG 59080                                       | ADVANCED GEOGRAPHIC INFORMATION SCIENCE | 3   |
| GEOG 69164                                       | CARTOGRAPHIC DESIGN                     | 4   |
| Certificate Elective, choose from the following: |   | 3-4 |