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 field
• Minimum 3.000 undergraduate GPA
• Goal statement
• Two letters of recommendation

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

Gainful Employment Disclosure
Disclosure statement for this certificate.

Program Requirements
Certificate Requirements
[C611]

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 59070</td>
<td>GEOGRAPHIC INFORMATION SCIENCE</td>
<td>4</td>
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<tr>
<td>GEOG 59080</td>
<td>ADVANCED GEOGRAPHIC INFORMATION SCIENCE</td>
<td>3</td>
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<tr>
<td>GEOG 69164</td>
<td>CARTOGRAPHIC DESIGN</td>
<td>4</td>
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<td>Certificate Elective, choose from the following:</td>
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Minimum Total Credit Hours: 14

Graduation Requirements
Minimum Certificate GPA
3.000

Required Courses:
- 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

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.