CYBER GEOGRAPHIC INFORMATION SCIENCE - GRADUATE CERTIFICATE

College of Arts and Sciences
Department of Geography
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Kent Campus
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www.kent.edu/geography

Description
The Cyber Geographic Information Science graduate certificate prepares graduates to work in the geospatial technology industry, as well as 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. Examples of such employers are local, state and federal government agencies; businesses that focus on logistics, marketing and engineering; and non-profit agencies in health services and environment 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
• Three letters of recommendation (Effective Spring 2020, two letters of recommendation)

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

1 This requirement may be waived with evidence of professional experience using geospatial technologies or alternative evidence of ability to excel in a geographic information science graduate degree program.

Program Requirements
Certificate Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>Certificate Electives, choose from the following:</td>
<td>15</td>
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<tr>
<td>CS 61002</td>
<td>ALGORITHMS AND PROGRAMMING I</td>
<td></td>
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<tr>
<td>DSCI 64210</td>
<td>DATA SCIENCE</td>
<td></td>
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<tr>
<td>GEOG 59076</td>
<td>SPATIAL PROGRAMMING</td>
<td></td>
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<tr>
<td>GEOG 59085</td>
<td>WEB AND MOBILE GEOGRAPHIC INFORMATION SCIENCE</td>
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GEOG 69007 | SPATIOTEMPORAL ANALYTICS
GEOG 69082 | CYBERGIS
GEOG 69083 | GEODATABASES
GEOG 69164 | CARTOGRAPHIC DESIGN

Minimum Total Credit Hours: 15

Graduation Requirements
Minimum Certificate GPA
3.000