GEOGRAPHIC INFORMATION SCIENCE - GRADUATE CERTIFICATE

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

Contact Information
• Program Coordinator:
  Andrew Scholl
  ascholl1@kent.edu
  330-672-7669
• Chat with an Admissions Counselor

Fully offered
• Online

Admission Terms
• Fall
• Spring
• Summer

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.

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.

Program Requirements

Certificate Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>GEOG 59071</td>
<td>FUNDAMENTALS OF GEOGRAPHIC INFORMATION SCIENCE I</td>
<td>3</td>
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<tr>
<td>GEOG 59081</td>
<td>FUNDAMENTALS OF GEOGRAPHIC INFORMATION SCIENCE II</td>
<td>3</td>
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<tr>
<td>GEOG 69164</td>
<td>CARTOGRAPHIC DESIGN</td>
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Certificate Elective, choose from the following: 6
- CS 61002 ALGORITHMS AND PROGRAMMING I
- 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

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<tr>
<th>Minimum Certificate GPA</th>
<th>Minimum Overall GPA</th>
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<td>3.000</td>
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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.