GEOGRAPHIC INFORMATION SCIENCE - GRADUATE CERTIFICATE

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

About This Program
Our Geographic Information Science graduate certificate provides you with the knowledge and skills needed to thrive in the rapidly growing field of GIS. With a focus on practical, hands-on learning and real-world applications, you'll gain the expertise needed to solve complex spatial problems and create innovative solutions. Read more...

Contact Information
• Program Coordinator: Andrew Scholl | ascholl1@kent.edu | 330-672-7669
• Connect with an Admissions Counselor: U.S. Student | International Student

Program Delivery
• Delivery:
  • Fully online

For more information about graduate admissions, visit the graduate admission website. For more information on international admissions, visit the international admission website.

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.

Application Deadlines
• Fall Semester
  • Rolling admissions
• Spring Semester
  • Rolling admissions
• Summer Term
  • Rolling admissions

Program Requirements
Major Requirements
Graduation Requirements

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<th>Code</th>
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<th>Credit Hours</th>
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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
- 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

Minimum Certificate GPA 3.000
Minimum Overall GPA 3.000

Full 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.