

GEOGRAPHIC INFORMATION SCIENCE - MINOR

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

About This Program

Unlock the power of spatial data with the Geographic Information Science (GIS) minor. This minor will equip you with essential skills in geospatial technologies, including cartography, remote sensing and GIS applications, preparing you for careers in urban planning, environmental science, public health and more. With a curriculum designed to complement majors like anthropology, biology, computer science and sociology, the GIS minor offers a versatile edge in today's data-driven world. Read more...

Contact Information

- **Patrick Bitterman** | pbitterm@kent.edu | 330-672-2046
- Speak with an Advisor

Program Delivery

- **Delivery:**
 - In person
- **Location:**
 - Kent Campus

Admission Requirements

Admission to a minor is open to students declared in a bachelor's degree, the A.A.B. or A.A.S. degree or the A.T.S. degree (not Individualized Program major). Students declared only in the A.A. or A.S. degree or the A.T.S. degree in Individualized Program may not declare a minor. Students may not pursue a minor and a major in the same discipline.

Program Requirements

Code	Title	Credit Hours
Minor Requirement		
GEOG 49070	GEOGRAPHIC INFORMATION SCIENCE	4
GEOG 49080	ADVANCED GEOGRAPHIC INFORMATION SCIENCE	3
Minor Electives, choose from the following:		9-10
GEOG 49072	GEOGRAPHIC INFORMATION SCIENCE AND HEALTH	
GEOG 49075	GEOGRAPHIC INFORMATION SCIENCE: APPLICATIONS FOR SOCIAL PROBLEMS	
GEOG 49076	SPATIAL PROGRAMMING	
GEOG 49078	GEOGRAPHIC INFORMATION SCIENCE AND ENVIRONMENTAL HAZARDS	
GEOG 49085	WEB AND MOBILE GEOGRAPHIC INFORMATION SCIENCE	
GEOG 49162	CARTOGRAPHY	

GEOG 49195	SPECIAL TOPICS IN GEOGRAPHIC INFORMATION SCIENCE
GEOG 49230	REMOTE SENSING
Minimum Total Credit Hours:	
16	

Graduation Requirements

Minimum Minor GPA	Minimum Overall GPA
2.000	2.000

- Minimum 6 credit hours in the minor must be upper-division coursework (30000 and 40000 level).
- Minimum 6 credit hours in the minor must be outside of the course requirements for any major or other minor the student is pursuing.
- Minimum 50 percent of the total credit hours for the minor must be taken at Kent State (in residence).

Program Note

- Appropriate specialized offerings may be substituted above as available with the approval of the coordinator.

Program Learning Outcomes Full Description

The Geographic Information Science minor offers students a foundation in this expanding field and will be of interest to students studying in areas such as anthropology, biology, conservation, computer sciences, sociology and public health.