

# GEOGRAPHIC INFORMATION SCIENCE - MINOR

**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 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.

### Fully Offered At:

- 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.

## Minor Requirements

Code	Title	Credit Hours
<b>Minor Requirement</b>		
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 & GEOG 49163	CARTOGRAPHY AND GEOVISUALIZATION and CARTOGRAPHY AND GEOVISUALIZATION LABORATORY	
GEOG 49195	SPECIAL TOPICS IN GEOGRAPHIC INFORMATION SCIENCE	
GEOG 49230	REMOTE SENSING	
Minimum Total Credit Hours:		16

## Graduation Requirements

**Minimum Minor GPA**  
 2.000

- Students must complete at least two upper-division (30000 or 40000 level) courses in the minor at Kent State on a graded basis (A-F).
- 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.
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