

GEOGRAPHIC INFORMATION SCIENCE MINOR

The minor consists of courses that provide a strong introduction to the field of Geographic Information Science – the acquisition, evaluation, modeling and analysis of geospatial data.

Requirements

Students electing this minor must complete at least fifteen credits from the following:

Course	Title	Credits
Required Courses		
GEOG 2500	Introduction to Geographic Information Systems	4
Select at least three credits from the following: ¹		3
GEOG 2505	Applications of Geographic Information Systems	
GEOG 3530	Introduction to GeoComputing	
GEOG Methods		
Select at least three elective credits from the following:		3
GEOG 3500Q	Geographic Data Analysis	
GEOG 3505	Remote Sensing of Marine Geography	
GEOG 3510	Cartographic Techniques	
GEOG 3512	Introduction to Spatial Data Science	
GEOG 4090	Internship in Geography: Field Study ²	
GEOG 4091	Internship in Geography: Seminar ²	
GEOG 4095	Special Topics ²	
GEOG 4099	Independent Study ²	
GEOG 4130	Geographical Analysis of Transportation	
GEOG 4230	GIS and Remote Sensing for Geoscience Applications	
GEOG 4515	Web GIS	
GEOG 4516	Fundamentals of Spatial Database Systems	
GEOG 4518	Mobile GIS	
GEOG 4519	Spatial Big Data Analytics	
Additional Courses		
At least three additional credits from either the list of GEOG classes in the previous two points or the list of approved, related classes associated with the GIS Major		3

¹ Students are encouraged to take both.

² Requires permission of the undergraduate advisor or department head.

Only two courses in the GIS minor may also be used in the GEOG major.

The minor is offered by the Geography Department.