

# GEOGRAPHIC INFORMATION SCIENCE AND TECHNOLOGY - UNDERGRADUATE MINOR

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## Course and Credit Requirements

The Department of Geography and Environmental Studies offers an undergraduate minor in Geographic Information Science and Technology (GIS&T). This minor is available to all undergraduate students, except Geography majors, and provides a valuable concentration for those pursuing professional careers that involve spatial data collection and analysis. Career opportunities span diverse fields, including data and information management, urban and regional planning, water resource management, ecology, cultural resource management, emergency management, and public health.

To earn the undergraduate minor in GIS&T, students must complete the following required courses, totaling 18-19 credits. All courses must be taken for a letter grade, with a minimum grade of C- required in each course.

Prefix	Title	Credits
<b>Departmental Requirements</b>		
GEOG 373	Introduction to Remote Sensing	4
GEOG 381	Cartography and GIS	4
GEOG 481	Fundamentals of GIS	4
Select 6-7 credits from the following:		6-7
GEOG 442	Programming for GIS	
GEOG 473	Advanced Remote Sensing	
GEOG 485	Spatial Analysis and Modeling	
GEOG 488	GIS for Water Resources	
<b>Total Credits</b>		<b>18-19</b>