

# GEOGRAPHIC INFORMATION SYSTEMS (GIS) MINOR

Department website (<https://www.uwp.edu/learn/programs/geographicinformationsystemminor.cfm>)

College: College of Social Sciences & Professional Studies

This minor allows students to gain additional knowledge and expertise in geographic information systems. Geographic information systems (GIS) are used to store, display, and analyze spatially referenced databases to help solve problems and to assist in decision making. GIS is increasingly important in a variety of applications like transportation planning, business logistics, and environmental impact analysis. This minor can be earned by completing the following or their equivalents.

## Requirements for the Geographic Information Systems (GIS) Minor

Code	Title	Credits
<b>Introductory Course</b>		
GEOG 100 or GEOG 105	Physical Geography and the Environment Contemporary Human Geography	3
<b>Required Courses</b>		
GEOG 350	Cartography and GIS	3
GEOG 460	Introduction to Geographic Information Systems Analysis	3
GEOG 465	Advanced Geographic Information Systems Applications	3
<b>Elective Courses</b>		
Select two of the following:		6
GEOG 355	Field Mapping	
GEOG 370	GIS and Planning	
GEOG 391	Special Topics in Geographic Information Systems	
GEOG 410	GIS and Communities	
GEOG 455	Remote Sensing	
GEOG 491	Special Topics in Geographic Information Systems	
GEOG 494	Internship in Geography <sup>1</sup>	
GEOG 499	Independent Study <sup>1</sup>	
ANTH 300	Topics in Data Collection and Analysis: <sup>1</sup>	
ANTH 491	Anthropology Fieldwork <sup>1</sup>	
<b>Total Credits</b>		<b>18</b>

<sup>1</sup>

Must have substantial GIS content/project and be approved by the Department.

The GIS Minor requires a 2.0 GPA minimum in the courses for the minor. Students cannot earn both the GIS minor and the GIS certificate.

Geography majors can earn this minor, but when earning the GIS minor students cannot count two of any of these courses towards the major's required 12 credits of 300-level and above geography courses.

Code	Title	Credits
GEOG 355	Field Mapping	3
GEOG 370	GIS and Planning	3

GEOG 391	Special Topics in Geographic Information Systems	3
GEOG 410	GIS and Communities	3
GEOG 455	Remote Sensing	3
GEOG 460	Introduction to Geographic Information Systems Analysis	3
GEOG 465	Advanced Geographic Information Systems Applications	3
GEOG 491	Special Topics in Geographic Information Systems	3
GEOG 494	Internship in Geography <sup>1</sup>	1-12
GEOG 499	Independent Study <sup>1</sup>	1-3
ANTH 300	Topics in Data Collection and Analysis:	3
ANTH 491	Anthropology Fieldwork	1-10

<sup>1</sup>

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