

# GEOGRAPHIC INFORMATION SCIENCE, MINOR

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The Geographic Information Science (GIS) minor is available to students who want to learn GIS without majoring in geography. GIS refers to working with spatial data, which is useful in many fields, including urban planning, environmental analysis, cartography, retail and real estate, health, and military intelligence.

## Requirements

The GIS minor requires the completion of a minimum of 18 credits, at least 9 of them at the 300 level or above taken in residence at UWM. The College of Letters & Science requires that students attain at least a 2.0 GPA on all credits in the minor attempted at UWM. In addition, students must attain a 2.0 GPA on all minor credits attempted, including any transfer work. The following are required:

Code	Title	Credits
GEOG 215	Introduction to Geographic Information Science	3
GEOG 525	Geographic Information Science	4
GEOG 698	GIS/Cartography Internship	3
Select two of the following:		8
GEOG 403	Remote Sensing: Environmental and Land Use Analysis	
GEOG 405	Cartography	
GEOG 547	Spatial Analysis	
GEOG 625	Intermediate Geographic Information Science	
Total Credits		18

## Contact Information

Current Students contact Associate Professor Kristin Sziarto at [szarto@uwm.edu](mailto:szarto@uwm.edu)

Prospective Students contact a Letters & Science Admissions Counselor at

(414) 229-7711 or [let-sci@uwm.edu](mailto:let-sci@uwm.edu)

<http://uwm.edu/geography/undergraduate/minor-in-gis/>