

Geographic Information Science Certificate

Applications of Geographic Information Systems and Science (GIS) range from business planning and public health to ecosystem management. GIS is a tool for studying spatial problems. It links a database with map features in such a way that users can input, store, retrieve, and analyze geographic data. Students choosing this program acquire the skills and knowledge necessary to apply GIS in their chosen field of study. Students should discuss the elective courses with the program advisor to better align them with their interest.

Certificate requirements

Upon completion of the program, students need to have a cumulative GPA of at least 2.5 and submit a professional portfolio to the program advisor.

(All colleges, open only to degree-seeking UWL students)

12 credits

Code	Title	Credits
Core		
GEO 305	Geographic Information Systems and Science I	3
GEO 405	Geographic Information System and Science II	3
Electives		
Select six credits from the following:		6
GEO 410	Geospatial Field Methods	
GEO 412	Geospatial Applications of Unmanned Aerial Systems	
GEO 415	Remote Sensing of the Environment I	
GEO 418	Map Design and Geovisualization	
GEO 445	Remote Sensing of the Environment II	
GEO 455	Web Mapping	
GEO 465	Scripting in GIS	
GEO 485	Geographic Information System and Science III	
Total Credits		12

Not open to geography majors and GIS minors.