

The minor in Geographic Information Science requires 23 semester credit hours. The Geographic Information Science minor is designed for students seeking to enhance their preparation for careers or graduate work utilizing geographic information science and geospatial techniques. Students majoring in Geographic Information Science may not minor in this program. Students majoring in other Geography majors who choose the GIS minor will not be able to count GEO 2426 and GEO 3301 for credit in both the major and the minor. Those courses will count toward the minor; therefore, Geography majors must take approved Geography elective courses to satisfy the minimum credit hour requirements for their major.

Code	Title	Hours
Required Courses		
GEO 2426	Fundamentals of Geographic Information Systems	4
GEO 3301	Research Methods in Geography	3
GEO 3411	Maps and Mapmaking	4
GEO 3416	Remote Sensing and Earth Observation	4
Prescribed Electives		
Select 2 courses from the following:		8
GEO 3426	Advanced GIS	
GEO 4411	Advanced Cartographic Design	
GEO 4412	Digital Image Processing and Machine Learning	
GEO 4420	GeoProgramming	
GEO 4422	Web Mapping	
GEO 4424	GPS and GIS	
GEO 4427	GIS Consulting Practicum	
GEO 4351	Geospatial Data Science and Health	
Total Hours		23