

SPATIAL SCIENCES - MINOR

The minor in Spatial Sciences gives students the knowledge and skills to use computer-based technologies such as Geographic Information Systems (GIS), Global Positioning Systems (GPS), and Remote Sensing.

Program Requirements

Code	Title	Semester Credit Hours
ESSM 444	Remote Sensing of the Environment	3
ESSM 462/ GEOG 462	Advanced GIS Analysis for Natural Resource Management	3
Select one of the following:		3
ESSM 351/ RENr 405	Geographic Information Systems for Resource Management	
RENr 405/ ESSM 351	Geographic Information Systems for Resource Management	
Select two of the following:		6
ESSM 459	Programming for Spatial Data Applications	
ESSM 461	Spatial Databases for Data Storage, Manipulation and Analysis	
ESSM 464	Spatial Project Management	
GEOG 352/ GEOG 352	GNSS in the Geosciences	
Total Semester Credit Hours		15

Students must complete a minimum of 6 hours in residence at the 300-400 level.

Students must maintain a 2.0 or above in minor curriculum.