

GEOSPATIAL TECHNOLOGIES MINOR REQUIREMENTS

15 credits in minor courses.

Requirement Description		Credits
COURSE REQUIREMENTS		
GEOSPATIAL TECHNOLOGIES IN THE DISCIPLINES. Choose one of the following:		3-4
ENGR 1020	Graphical Communication	
CDAE 2010	Drafting Design II	
ENSC 2300	Global Environmental Assessmnt	
GEOL 2525	Geocomputing	
GEOL 3410	Geomorphology	
FOR 2110	Nat Res Ecol and Assessment 1	
CEE 2000	Geomatics	
BREADTH REQUIREMENTS: Choose 2 courses/6 credits from at least 2 of the following categories:		6
GEOGRAPHIC INFORMATION SYSTEMS:		
ANTH 2825	Anthro Applications of GIS	
NR 2430	Intro to Geog Info Systems	
GEOG 2510	Geog Info:Cncpts & Applic	
REMOTE SENSING		
NR 2460	Remote Sensing	
GEOG 2520	Remote Sensing	
DATA SCIENCE:		
CS 1080	Intro to Web Site Dev	
CS 1210	Computer Programming I	
CS 1870	Intro to Data Science	
or STAT 1870 Intro to Data Science		
CS 2100	Intermediate Programming	
CS 2480	Database Design for Web	
CS 2500	Intro to Database Systems	
CS 2870	Basics of Data Science	
CAPSTONE/ADVANCED EXPERIENCE. Choose 1 or more of the following:		3
CEE 4450	GIS Sustainable Transport Plan	
CS 3040	Database Systems	

GEOG 3505	Spatial Analysis	
GEOG 3520	Topics in Remote Sensing	
MATH 3766	Chaos,Fractals&Dynamcal Syst	
NR 3430	Adv Geospatial Techniques	
NR 4430	GIS Practicum	
NR 5450	Data Vis & Communication	
NR 5460	Geospatial Computation	
STAT 3010	Stat Computing&Data Anlysis	
With the approval of a minor advisor, a maxium of 3 credits of relevant applied research or internship credit may be applied to the capstone requirement.		
ELECTIVES: 3 additional credits from any of the categories listed in the minor.		3
LEVEL REQUIREMENT		
At least 9 credits must be at the 2000-level or above.		

PRE/CO-REQUISITES

Introductory and intermediate courses for various subjects may be necessary to reach the courses at the 2000-level or above applicable to the minor.

OTHER INFORMATION

In the College of Arts and Sciences (CAS), only one course may overlap between a major and a minor or between two minors.