

GEOSPATIAL TECHNOLOGIES MINOR REQUIREMENTS

A total of 15 credits with at least 9 credits at or above the 100-level.

1 or more course(s) on Geospatial Technologies in the Disciplines		3-6
ENSC 130	Global Environmental Assessmnt	
CE 010	Geomatics	
CDAE 101	Drafting & Design: SketchUp II	
ENGR 002	Graphical Communication	
GEOG 081	Geospatial Cncpt&Visualization	
GEOG 144	Geomorphology	
or GEOL 151	Geomorphology	
GEOL 185	Geocomputing	
Courses in 2 or more categories (Geographic Information Systems, Remote Sensing, and Data Science)		6-9
Geographic Information Systems - Choose 1:		3
NR 143	Intro to Geog Info Systems	
or GEOG 184	Geog Info:Cncpts & Applic	
Remote Sensing - Choose 1:		3
NR 146	Remote Sensing of Natural Res	
GEOG 185	Remote Sensing	
Data Science - Choose from:		3-6
CS 008	QR: Intro to Web Site Dev	
CS 021	QR: Computer Programming I	
CS 087	QR: Intro to Data Science	
or STAT 087	QR: Intro to Data Science	
CS 110	QR: Intermediate Programming	
CS 142	QR: Advanced Web Design	
CS 148	QR: Database Design for Web	
STAT 087	QR: Intro to Data Science	
or CS 087	QR: Intro to Data Science	
1 or more advanced or capstone experience(s)		3-6
NR 242	Adv Geospatial Techniques	
NR 243	GIS Practicum	
GEOG 281	Advanced Topics:Remote Sensing (b, Advanced GIS Applications)	

GEOG 281	Advanced Topics:Remote Sensing (a, Satellite Climatology/Land Surface Applications)	
GEOG 287	Spatial Analysis	
CS 204	QR: Database Systems	
MATH 266	QR:Chaos,Fractals&Dynamcal Syst	
STAT 201	QR:Stat Computing&Data Anlysis	

A maximum of 3 credits of relevant applied research or internship credit may apply toward the capstone requirement with advisor approval.

PRE/CO-REQUISITES

Variable, depending on upper level courses chosen.

OTHER INFORMATION

Geography majors who undertake the Geospatial Technologies minor are required to complete 33 credits in Geography and 15 credits towards the Geospatial Technologies minor. GEOG 081 may be used to count towards both the major and the minor. However, students are still required to complete 33 credits of geography courses.