

Update for the new Geographic Information Sciences Major that will be available for students Spring of 2020:

GEOGRAPHIC INFORMATION SCIENCES (GIS) MAJOR (36 HOURS)

Specialized General Studies Requirements

Area II (12 hours)

COM 2241 (3) Fundamentals of Speech

Area III (12 hours)

MTH 1114 (3) Pre-Calculus Trigonometry
SCI 2233 (3) Physical Science
SCI L233 (3) Physical Science Lab

Area V (18 hours)

IS 2241 (3) Computer Concepts and Applications
TROY 1101 (1) Orientation
MTH 2210 (3) Applied Statistics
BIO 1120 (3) Survey of Environmental Sciences
BIO L120 (1) Survey of Environmental Sciences Lab
CS 3310 (3) Foundations of Computer Sciences
SS 3375 (3) Introduction to Social Science Inquiry

Major Requirements (36 hours)

GEO 3300 (3) Principles of Physical Geography
GEO 3301 (3) Principles of Cultural Geography
GIS 3301 (3) Cartography and Geo-Visualization
GIS 3305 (3) Spatial Information and Analysis
GIS 3310 (3) Introduction to Remote Sensing
GIS 3390 (3) Fundamentals of Geographical Information and Analysis
GIS 3391 (3) Application of Geospatial Information Sciences
GIS 4401 (3) Spatial Database Design and Management
GIS 4405 (3) Geospatial Modeling and Programming
GIS 4415 (3) Advanced Geospatial Technologies
GIS 4420 (3) Web-Based GIS/Spatial Data Applications
GIS 4499 (3) GIS Internship

Senior standing students may choose the following course for credit:

GIS 4490 (3) GIS Senior Project

Additional Requirements:

Students must complete an 18-hour minor for this major