1

Geographic Information Systems Minor

To earn a minor in Geographic Information Systems, students must complete a minimum of 17 credit hours, including three core courses and a minimum of two elective courses. Students are expected to meet with an ENS academic advisor before beginning the minor. 400-level courses counted toward an undergraduate degree cannot be taken again and counted for credit toward a graduate degree at UIS.

Substitutions for any of these courses require a Student Petition and the approval of the GIS Director and the ENS Program Lead.

Requirements

Required Core Courses

ENS 304	Mapping our Physical and Social World	3
ENS 404	Fundamentals of Geographic Information Systems	4
ENS 405	Fundamentals of Remote Sensing	4
Electives (Choose two from this list)		6
BIO 446	Restoration Ecology	
BIO 447	Global Change Ecology	
BIO 462	Conservation Biology	
CSC 225	Computer Programming Concepts I	
CSC 302	Discrete Structures	
MAT 421	Statistical Methods	
MAT 442	Data-driven Modeling and Numerical Simulation	
MAT 444	Operations Research Methods	
MIS 352	Principles of Management Information Systems	
MIS 385	Data and Information Management	
MPH 222	Global Public Health: Population, Poverty and Pollution	
MPH 224	Epidemiology - Science of Disease Discovery	
MPH 471	ECCE: Emerging Diseases	
Total Hours		17