

Environmental Studies

Geographic Information Systems Minor

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

This course is available both online and on campus.

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	
CSC 318	Computer Literacy	
MAT 421	Statistical Methods	
MAT 442	Probability Modeling and Computer 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	Emerging Diseases	
Total Hours		17