

SPATIAL & QUANTITATIVE METHODS IN NATURAL RESOURCES & ENVIRONMENTAL SCIENCES MINOR

for the Minor in Spatial and Quantitative Methods in Natural Resources and Environmental Sciences

The Spatial and Quantitative Methods in Natural Resources and Environmental Sciences minor is ideal for students in NRES and allied fields seeking preparation for careers requiring skills in geographic information systems, statistics, research design, and/or mathematical modeling. This minor is open to students in all majors and is especially relevant for those pursuing a major related to natural resource and environmental issues who want to distinguish themselves with more advanced analytical skills. In order to be eligible to declare this minor, a student must have successfully completed the Quantitative Reasoning I and Quantitative Reasoning II requirements. The minor requires the completion of an additional 18 hours of coursework selected from the following list. Students must earn credit for at least three hours in each of the three categories. Courses taken to fulfill the minor may not be counted towards the NRES major, but may count towards majors in other fields.

Code	Title	Hours
Required Courses for a Minor in Spatial and Quantitative Methods in Natural Resources and Environmental Sciences		
Statistics & Research Design		
Select one of the following:		3-4
NRES 340	Environ Social Sci Res Meth	
NRES 421	Quantitative Methods in NRES	
CPSC 440	Applied Statistical Methods I	
NRES 445	Statistical Methods	
SOC 485	Intermediate Social Statistics	
STAT 200	Statistical Analysis	
Mathematical Modeling		
Select one of the following:		3-4
NRES 422	Earth Systems Modeling	
NRES 427	Modeling Natural Resources	
ANSC 448	Math Modeling in Life Sciences	
GEOG 468	Biological Modeling	
Spatial Analysis		
Select one of the following:		3-5
NRES 454	GIS in Natural Resource Mgmt	
NRES 455	Adv GIS for Nat Res Planning	
NRES 465	Landscape Ecology	
GEOG 478	Techniques of Remote Sensing	
GEOG 479	Advanced Topics in GIS	
GEOG 489	Programming for GIS	
Minimum hours required for the minor		18