

WATERSHEDS AND WATER RESOURCES, MINOR

SOILS 418	Nutrient Management in Agricultural Systems
WFS 410	General Fishery Science
WFS 422	Ecology of Fishes

Requirements for a minor may be completed at any campus location offering the specified courses for the minor. Students may not change from a campus that offers their major to a campus that does not offer their major for the purpose of completing a minor.

Program Requirements

Requirement	Credits
Requirements for the Minor	18

Requirements for the Minor

A grade of C or better is required for all courses in the minor, as specified by Senate Policy 59-10 (<https://senate.psu.edu/policies-and-rules-for-undergraduate-students/59-00-minors-and-certificates/#59-10>). In addition, at least six credits of the minor must be unique from the prescribed courses required by a student's major(s).

Code	Title	Credits
Additional Courses		
<i>Additional Courses: Require a grade of C or better</i>		
Select 18 credits (at least 6 credits at the 400 level) from the WWR committee's approved list of courses, which includes but is not limited to the following:		18
ASM 327	Soil and Water Resource Management	
BE 307	Principles of Soil and Water Engineering	
BE 467	Design of Stormwater and Erosion Control Facilities	
CE 370	Introduction to Environmental Engineering	
CE 371	Water and Wastewater Treatment	
CE 461	Water-resource Engineering	
CE 475	Water Quality Chemistry	
CHEM 202	Fundamentals of Organic Chemistry I	
CHEM 402	Environment Chemistry: Atmosphere	
ENVE 411	Water Supply and Pollution Control	
ENVE 415	Hydrology	
ENVSE 408	Contaminant Hydrology	
ERM 411	Legal Aspects of Resource Management	
ERM 435	Limnology	
ERM 450	Wetland Science and Sustainability	
FOR 470	Watershed Management	
FOR 471	Watershed Management Laboratory	
GEOG 431	Geography of Water Resources	
GEOSC 201	Earth Materials	
GEOSC 340	Geomorphology	
GEOSC 412	Water Resources Geochemistry	
GEOSC 413W	Techniques in Environmental Geochemistry	
GEOSC 419	The Organic Geochemistry of Natural Waters and Sediments	
GEOSC 452	Hydrogeology	
PLANT 217	Landscape Soil and Water Management	
SOILS 405	Hydrogeology	