

# Wetland Management

---

## Undergraduate Certificate in Wetland Management

### CERTIFICATE CODE - CU18

Code	Title	Hours
A minimum grade of C- is required in coursework applied to the certificate.		
ESWS 224 & 224L	Freshwater Field Methods and Freshwater Field Methods Laboratory	4
ESWS 347	Wetland Environments	3
ESWS 447	Professional Wetland Certification Seminar	1
FNRS 424 & 424L	Vegetation of West Virginia and Vegetation of West Virginia Laboratory	3
RESM 440 & 440L	Foundations of Applied Geographic Information Systems and Foundations of Applied Geographic Information Systems Laboratory	3
Select one of the following:		3
ESWS 255	Elements of Environmental Management	
ESWS 430 & 430L	Soil Physics and Soil Physics Laboratory	
FNRS 344	River Conservation & Management	
RESM 545	GIS for Watershed Analysis	
FNRS 491 or ESWS 491	Professional Field Experience	
<b>Total Hours</b>		<b>17</b>

## Certificate Learning Outcomes

### WETLAND MANAGEMENT

Upon successful completion of this certificate program, students will be able to:

- Describe the important ecosystem functions of wetland environments;
- Identify, quantify, and map wetland environments in the landscape using soil, vegetation, and hydrologic measurements; and
- Create an application towards certification as a professional wetland scientist.