River Conservation and Management

Undergraduate Certificate in River Conservation and Management

CERTIFICATE CODE - CU17

Code	Title	Hours
A minimum grade of C- is required in coursework applied to the certificate.		
FNRS 344	River Conservation & Management	3
RESM 545	GIS for Watershed Analysis	3
FNRS 491	Professional Field Experience	3
Select one of the following:		3
ESWS 347	Wetland Environments	
FNRS 435	Applied Environmental Justice	
WMAN 446 & 446L	Freshwater Ecology and Freshwater Ecology Laboratory	
Total Hours		**12**

Certificate Learning Outcomes

RIVER CONSERVATION AND MANAGEMENT

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

1. Apply a range of scientific methods and disciplinary perspectives through scientific inquiry, modeling and real-world experience in addressing pressing environmental issues.
2. Employ a systems approach to analyze how human and environmental systems influence land and water resources.
3. Assess and articulate the scientific evidence surrounding key environmental issues and evaluate ongoing efforts to mitigate, restore, and enhance ecosystems and their services.
4. Design, in collaboration with community and industry partners, solutions to real world river problems.