

# FRESHWATER SCIENCES, MINOR

Freshwater scientists provide scientifically sound management of natural and constructed water systems for productive and equitable use while sustaining natural biota, diversity and freshwater availability. They also generate solutions to the problems facing freshwater through a complete understanding of water resources, the social systems in which they operate, and the application of technology, conservation, and sustainable management practices.

Studies in Freshwater Sciences will help students prepare for careers in ecological and environmental sciences, natural resources, technology, policy, and business relevant to freshwater systems and resources. A minor in Freshwater Sciences also prepares students for professional careers in business and industry, government, non-profit organizations, as well as graduate studies in freshwater and environmental sciences.

## Requirements

At least 12 credits must be taken from courses listed 300 or above in residence at UWM. Students must maintain a GPA of 2.0 in minor courses attempted at UWM. In addition, students must attain a GPA of 2.0 in all minor courses attempted, including all transfer work. The minor consists of 18 credits in Freshwater Sciences.

Code	Title	Credits
Complete 6 credits from the following list:		6
FRSHWTR 101	Elements of Water	
FRSHWTR 201	The Water Environment	
FRSHWTR 202	Life in Water	
FRSHWTR 392	Water, Energy, Food, and Climate	
Choose 12 credits from the following electives:		12
FRSHWTR 300	Topics in Freshwater Sciences:	
FRSHWTR 321	Exploration of Inland Seas	
FRSHWTR 322	Ecology and Evolution of Freshwater Organisms	
FRSHWTR 341	Sanitation and Sustainability	
FRSHWTR 342	Water Pollution, Technology and Management	
FRSHWTR 361	Introduction to Environmental Data Systems	
FRSHWTR 362	Calculating Nature	
FRSHWTR 391	Water and Natural Resource Economics	
FRSHWTR 393	Water Law, Policy, and the Environment	
FRSHWTR 421	Molecular Level Tools to Understand Larger Scale Change	
FRSHWTR 461	Politics and Policy of Sustainability	
FRSHWTR 471	Introduction to Sensing Networks	
FRSHWTR 510	Economics, Policy and Management of Water	
FRSHWTR 583	Cost-Benefit Analysis for Environmental Resource Decisions	
FRSHWTR 584	Aquatic Ecosystem Services Valuation	

FRSHWTR 585	Applied Water Statistics and Data Manipulation
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**Total Credits**

**18**

## Contact Information

**Freshwater Sciences**  
School of Freshwater Sciences  
600 E Greenfield Avenue  
Milwaukee, WI 53204

<https://uwm.edu/freshwater/academics/freshwater-sciences/>