

# WATER QUALITY MANAGEMENT CERTIFICATE

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## Description

Students earning a certificate in Water Quality Management will:

- 1. Be knowledgeable in physical, chemical, and microbiological water quality standards, the impact of discharging organic substances and ammonia into surface and ground waters.
- 2. Understand lake limnology and the principles of water and wastewater treatment.
- 3. Be knowledgeable in the carbonate cycle in water and equilibrium chemistry.
- 4. Understand the principles of the movement and fate of chemicals and other contaminants in surface and groundwaters.

## Requirements

To obtain a certificate, students must complete the required courses with a 3.0 grade point average or higher.

Code	Title	Semester Hours
CIVL 601	Sustainable Water Quality and Resources	3
CIVL 605	Aquatic Chemistry	3
ENVS 607 or CIVL 608	Environmental Engineering and Science Lab Contaminant Fate, Transport, and Remediation	3
Total Semester Hours		9