

Water and Wastewater Operations, Certificate of Completion

The Certificate of Completion in Water and Wastewater Operations teaches students the principles and practices of operating water and wastewater treatment facilities, covering various physical, chemical, and biological treatment methods. The program provides students the opportunity to gain skills in water quality testing, regulatory compliance, troubleshooting, communication, collaboration, and problem-solving. The program equips students to operate treatment facilities safely and effectively, ensuring the provision of clean and safe water to communities while protecting the environment.

Program Requirements

Code	Title	Credit Hours
Total Credit Hours		30
Discipline Core Requirements		24 Credits
ENGL 1010 or ENGL 1005	Introduction to Academic Writing CC Literacies and Composition Across Contexts CC	3
MATH 1050	College Algebra QL	4
ENVT 1200	Environmental Worker Safety	3
CHEM 1210	Principles of Chemistry I PP	4
CHEM 1215	Principles of Chemistry I Laboratory	1
ENVT 1270	Environmental Microbiology	3
ENVT 1300	Environmental Lab and Sampling	2
ENVT 3210	Water Quality and Reclamation	4
Elective Requirements		6 Credits
Complete two of the following courses:		6
ENVT 1510	Hazardous Materials Emergency Response (3)	
ENVT 3280	Environmental Law (3)	
ENVT 2560	Environmental Health (3)	
ENVT 3010	Environmental Toxicology (3)	
ENVT 3320	Hydraulics of Water (3)	
ENVT 3330	Water Resources Management (3)	
ENVT 3790	Applied Hydrology WE (4)	
ENVT 3850	Environmental Policy WE (3)	

Graduation Requirements

1. Completion of a minimum of 30 credits.
2. Overall grade point average of 2.0 (C) or above.
3. Residency hours -- Minimum of 10 credits required through course attendance at UVU.

Graduation Plan

This graduation plan is a sample plan and is intended to be a guide. Your specific plan may differ based on your Math and English placement and/or transfer credits applied. You are encouraged to meet with an advisor and set up an individualized graduation plan in Wolverine Track (<http://www.uvu.edu/wolverinetrack/>).

First Year		Credit Hours
Semester 1		
ENGL 1010	Introduction to Academic Writing CC	3
MATH 1050	College Algebra QL	4
ENVT 1200	Environmental Worker Safety	3
CHEM 1210	Principles of Chemistry I PP	4
CHEM 1215	Principles of Chemistry I Laboratory	1
Credit Hours		15

Semester 2

ENVT 1270	Environmental Microbiology	3
ENVT 1300	Environmental Lab and Sampling	2
ENVT 3210	Water Quality and Reclamation	4
Certificate Elective		3
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Credit Hours		15
Total Credit Hours		30

Program Learning Outcomes

1. Apply physical science principles to water and wastewater treatment processes and technologies.
2. Explain local, state, and federal safety protocols and regulatory requirements in the operation of water and wastewater treatment facilities.
3. Collaborate with peers to ensure safe and efficient operation of water and wastewater treatment facilities.