

WATER QUALITY COMPLETION CERTIFICATE

Advising Notes

- See advisor for full list of course options

Program Description

The one-year Water Quality Technology, Completion Certificate, provides both classes and hands on, work-based learning. The certificate includes five introductory courses in water and wastewater operations, 12 credit hours of related cooperative work, and foundational courses in math and science. The coursework prepares students to take the Level I Certification exams. The cooperative work experience is hands on training and is equivalent to approximately 2.5 months of full-time work experience. This certificate is the first year of coursework for the AAS degree in Water Quality Technology.

Program Outcomes

1. Apply the terms and concepts, including the mathematical skills necessary to pass the Level I water and wastewater certification examinations
2. Apply the maintenance and operation of water treatment, water distribution, wastewater treatment, and wastewater collection systems relative to operator job responsibilities
3. Express concepts, ideas, technical principles, and feedback in a manner that promotes understanding and encourages cooperation and collaboration
4. Apply laboratory sampling and testing methods approved by regulatory agencies to water quality and treatment process performance reporting

Program Course Requirements

Course	Title	Credits
First Year		
First Term		
MTH 102	Math for the Trades (or higher)	4
WQT 226	Wastewater Treatment I Liquid	3
WQT 261	Water Distribution	3
WR 117	Writing for Trades (WR 115 accepted or higher)	4
WQT 280	CWE-Water Quality Treatment	4
Credits		18
Second Term		
CH 104	Intro to Chemistry I	4
COM 111Z	Public Speaking	4
WQT 227	Wastewater Treatment II Solids	3
WQT 228	Wastewater Collection	3
WQT 280	CWE-Water Quality Treatment ¹	4
Credits		18
Third Term		
BI 101	General Biology	4
PSY 101 or COM 218Z	Psychology of Human Relations or Interpersonal Communication	3-4
WQT 260	Water Treatment	3
WQT 280	CWE-Water Quality Treatment	4
Credits		14-15
Total Minimum Credits		50-51

¹ 12 credits required, can take any term