

Program: Water and Wastewater Technology

Degree: Certificate

Program Learning Outcomes:

1. Apply regulatory standards in the application of chemical, biological and mechanical processes relating to the operation of water and wastewater treatment facilities.
2. Perform skilled laboratory testing and analyses for operational control and regulatory compliance.
3. Describe plant operator’s responsibilities in regards to the safety of communities, personnel and the environment.
4. Demonstrate regulatory maintenance processes that support a safe and efficiently operated treatment facility.

Assessment Cycle:

	AY 2017-2018	AY 2018-2019	AY 2019-2020	AY 2020-2021
Outcome #1		A Potable Water Assignment WATR 115 Spring	R	A Potable Water Assignment WATR 115 Spring
Outcome #2		A Titration Exercise WATR 105 Spring	R	A Titration Exercise WATR 105 Spring
Outcome #3	A Ethics Paper WATR 101 Fall WATR 220 Spring	R	A Ethics Paper WATR 101 Fall WATR 220 Spring	R
Outcome #4	A Cold Lime Softening Assignment WATR 115 Spring	R	A Cold Lime Softening Assignment WATR 115 Spring	R
IELO	A Ethics Paper WATR 101 Fall WATR 220 Spring	R	A Ethics Paper WATR 101 Fall WATR 220 Spring	R

A = Assessment evidence collected

R = Reflect on data, prep year

Program Curriculum Map

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	Semester Offered	PROGRAM LEARNING OUTCOMES				IELO
		#1	#2	#3	#4	Ethical Reasoning
ENRT 103	Fall			X		
ENRT 105	Fall		X			
ENRT 107	Fall				X	
ENRT 112	Fall	X			X	
WATR 101	Fall	X		X, A	X	X, A
WATR 116	Fall		X			
WATR 105	Spring	X	A			
WATR 110	Spring	X			X	
WATR 115	Spring	A	X	X	X, A	X
WATR 120	Spring	X			X	
WATR 220	Spring			X, A		X, A

X = Material introduced, reinforced, and/or opportunity to practice

A = Assessment evidence collected (e.g., lab activity, exam, paper, assignment, etc.)