

Water Technology, Certificate

2023-2024 Catalog

Award Granted Upon Completion: Certificate in Water Technology

Credits/Contacts Required: **39/43**

Major code: 04/440

CIP Code: 150506

Description

The certificate program trains the entry-level maintenance operators and laboratory technicians for jobs in municipalities and industries involved with control and prevention of water pollution. The curriculum provides students with the basic knowledge and skills required to enter the water/wastewater field and other related areas of water resource protection and analysis.

Certificate Requirements:

- WATR 111 - Wastewater Operations and Management I **Credit(s): 3**
- WATR 112 - Wastewater Operations and Management II **Credit(s): 3**
- WATR 121 - Water Operations and Management I **Credit(s): 3**
- WATR 122 - Water Operations and Management II **Credit(s): 3**
- WATR 125 - Water Math **Credit(s): 3**
- WATR 231 - Aquatics and Bacteriology **Credit(s): 2**
- WATR 232 - Aquatics and Bacteriology Lab **Credit(s): 2**
- WATR 241 - Environmental Analysis **Credit(s): 2**
- WATR 242 - Environmental Analysis Lab **Credit(s): 3**
- WATR 251 - Water Analysis Lecture **Credit(s): 2**
- WATR 252 - Water Analysis Lab **Credit(s): 3**
- WATR 256 - Power and Instrumentation **Credit(s): 2**
- WATR 272 - Professional Field Experience (Water) **Credit(s): 4**
- WATR 273 - Professional Field Experience (Wastewater) **Credit(s): 4**

Suggested Sequences Per Semester

First Semester

- WATR 111 - Wastewater Operations and Management I **Credit(s): 3**
 - WATR 121 - Water Operations and Management I **Credit(s): 3**
 - WATR 125 - Water Math **Credit(s): 3**
 - WATR 241 - Environmental Analysis **Credit(s): 2**
 - WATR 242 - Environmental Analysis Lab **Credit(s): 3**
- First Semester Total - Credit(s): 15 | Contacts: 17**

Second Semester

- WATR 112 - Wastewater Operations and Management II **Credit(s): 3**
- WATR 122 - Water Operations and Management II **Credit(s): 3**

- WATR 231 - Aquatics and Bacteriology **Credit(s): 2**
 - WATR 232 - Aquatics and Bacteriology Lab **Credit(s): 2**
 - WATR 251 - Water Analysis Lecture **Credit(s): 2**
 - WATR 252 - Water Analysis Lab **Credit(s): 3**
 - WATR 256 - Power and Instrumentation **Credit(s): 2**
- Second Semester Total - Credit(s): 16 | Contacts: 18**

Third Semester

- WATR 272 - Professional Field Experience (Water) **Credit(s): 4**
 - WATR 273 - Professional Field Experience (Wastewater) **Credit(s): 4**
- Third Semester Total - Credit(s): 8 | Contacts: 8**

Notes:

Students not having had a chemistry course(s) are recommended to take CHEM 102 and CHEM 104.

This certificate has a math level equal to MATH 105. Students are recommended to take MATH 105 or higher or have the appropriate math placement score.

Students not meeting the recommended chemistry and/or math may need to take more time and/or credits to complete this certificate.