

# Water Technology

2014-2015 Catalog

Award Granted Upon Completion: Certificate in Water Technology

Credits/Contacts Required: 37/45

Major code: 04/440

CIP Code: 150506

## Program Description

This certificate program trains the entry-level maintenance operators and laboratory technicians for jobs with 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.

### General Education Requirements

None

### Program Requirements – Min 37 credits \*

|   | <u>Cr</u> |
|---|-----------|
| WATR-110 Wastewater Operations & Management         | 4         |
| WATR-120 Water Operations & Management              | 4         |
| WATR-230 Aquatic Evaluations & Bacteriology         | 3         |
| WATR-240 Environmental Analysis                     | 5         |
| WATR-250 Water Analysis & Techniques                | 5         |
| WATR-255 Mechanics & Instrumentation                | 3         |
| WATR-260 Current Issues for Managers                | 3         |
| WATR-270 Water in Motion                            | 4         |
| WATR-272 Professional Field Experience (Water)      | 4         |
| WATR-273 Professional Field Experience (Wastewater) | 4         |

### Suggested Sequences Per Semester

Cr / Ct

#### **First Semester**

|          |                                    |              |
|----------|------------------------------------|--------------|
| WATR-110 | Wastewater Operations & Management | 4/4          |
| WATR-240 | Environmental Analysis             | 5/7          |
| WATR-260 | Current Issues for Managers        | 3/3          |
| WATR-270 | Water in Motion                    | 4/4          |
|          |                                    | <hr/>        |
|          |                                    | <b>16/18</b> |

#### **Second Semester**

|          |                                      |              |
|----------|--------------------------------------|--------------|
| WATR-120 | Water Operations & Management        | 4/4          |
| WATR-230 | Aquatic Evaluations & Bacteriology   | 3/4          |
| WATR-250 | Water Analysis & Techniques          | 5/7          |
| WATR-255 | Mechanics & Instrumentation          | 3/4          |
| WATR-272 | Prof'l Field Experience (Water)      | 4/4          |
| WATR-273 | Prof'l Field Experience (Wastewater) | 4/4          |
|          |                                      | <hr/>        |
|          |                                      | <b>21/27</b> |

**All Internships and Co-ops require that the student pass a criminal background check.**

\* NOTES on Math and Chemistry:

- Students who have not had a chemistry course(s) are recommended to take CHEM-090.
- This certificate has a math level equal to MATH-105 Intermediate Algebra. Students are recommended to take MATH-105 or higher or have the appropriate math placement score.
- Students not meeting the recommended chemistry and math may need to take more time and more credits to complete this certificate.