

**Bay de Noc Community College and North Central Michigan Community College**  
 Transfer Guide  
 Associate in Applied Science in Water Resource Management

This program will allow a student to complete an Associate in Applied Science Degree in Water Resource Management, after completing curriculum in general education. Students may transfer to Bay de Noc Community College for specialized courses in Water Resource Management. Upon graduation, students are awarded an Associate in Applied Science Degree and are immediately eligible for certifications; which include, S4 Water Distribution, F4 Conventional Surface Water Treatment, and D Activated Sludge Wastewater Treatment; and entrance into the water/wastewater treatment industry. With the appropriate years of experience and facility rating, students can advance to the highest level of certification in Michigan.

All transfer courses must be a 2.0 gpa or better to transfer to Bay College.

Graduation Requirements include:

- Minimum: 69 credits
- Minimum: 2.0 cumulative GPA

**Courses taken at NCMC Community College**

|  |                                      |           |
|--|--------------------------------------|-----------|
| CEM 121  | Principles of Chemistry I            | 5         |
| CEM 122  | Principles of Chemistry II           | 5         |
| GIS 110  | Intro to GIS I                       | 3         |
| MTH 120  | Intermediate Algebra                 | 4         |
| ENG111   | English Composition I                | 3         |
| ENG112   | English Composition II               | 3         |
| PLS 225  | State and Local Government <b>or</b> |           |
|  | PLS 141 Intro to American Government | <u>3</u>  |
| <b>Total credits taken at NCMC Community College</b> |                                      | <b>26</b> |

**Bay course equivalencies**

|                    |
|--------------------|
| CHEM110            |
| CHEM112            |
| GIS 201            |
| MATH105 or MATH106 |
| ENGL101            |
| ENGL102            |
| POLI262 OR POLI111 |

**Courses taken at Bay de Noc Community College**

|   |            |
|---|------------|
| ELEC 145 Basic Process Control                      | 4          |
| WATR110 Wastewater Operations & Mgt                 | 4*         |
| WATR 120 Water Operations & Management              | 4*         |
| WATR150 Team Project Course                         | 2+         |
| WATR 220 Industrial Solutions                       | 3+         |
| WATR 230 Aquatics & Bacteriology                    | 3+         |
| WATR 240 Environmental Analysis                     | 5+         |
| WATR 250 Water Analysis & Techniques                | 5+         |
| WATR 255 Mechanics & Instrumentation                | 4          |
| 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) | <u>4**</u> |
| <b>Total credits taken at Bay</b>                   | <b>49</b>  |

\*Course offered online

\*\*Course taken second eight weeks of the winter or summer semester

+Course offered in hybrid format