

# Environmental Management

## Associate in Applied Science Degree

### Why Environmental Management?

The [Environmental Management program](#) at Bay College provides students with a strong background in a variety of environmental operations, field and laboratory equipment use, environmental law, and business management. Students can also gain real work experience in the environmental and business world through an internship that will provide them with on-the-job training that will help them in later careers.

### Career Opportunities

Students completing a degree in Environmental Management can pursue a number of different careers, becoming things such as:

- **Environmental Managers**
- **Biology Field and Lab Managers**
- **Consultants**
- **Engineering Managers**
- **Environmental Planners**
- **Business Managers**

### Contact

#### Bay College

2001 N Lincoln Rd  
Escanaba, MI 49829

#### Bay College West Campus

2801 N US 2  
Iron Mountain, MI 49801

#### Office of Admissions

906-217-4010  
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[baycollege.edu](http://baycollege.edu)



# Environmental Management, AAS

Award Granted Upon Completion: Associate in Applied Science in Environmental Management  
Credits/Contacts Required: 64/70

Major code: 03/344  
CIP Code: 150507

## General Education Requirements (Min. 18 Credits)

Course #	Course Name	Cr
ENGL 101	Rhetoric & Composition	3
COMM 103	Interpersonal Communication	3 or
COMM 104	Public Speaking	3
MATH 105	Intermediate Algebra	4* or
MATH 106	Technical Algebra & Trigonometry I	4*
CHEM 108	Technical Chemistry	5 or
CHEM 110	General Chemistry I	5**
POLI 111	American Government	3 or
POLI 262	State & Local Government	3

## Requirements (Min. 46 Credits)

Course #	Course Name	Cr
ACCT 101	Accounting Principles I	4
BIOL 107	Environmental Science	3
BIOL 108	Environmental Science Lab	1
BUSN 160	Introduction to Business	3
BUSN 242	Principles of Management	3
ECON 132	Microeconomics	3
WATR 110	Wastewater Operations & Management	4
WATR 120	Water Operations & Management	4
WATR 220	Industrial Solutions	3
WATR 230	Aquatic Evaluations & Bacteriology	3
WATR 240	Environmental Analysis	5
WATR 260	Current Issues for Managers	3
WATR 270	Water in Motion	4
WATR 274	Environmental Internship	3

## Optional

Course #	Course Name	Cr
CHEM 112	General Chemistry II	5**

## Suggested Sequences Per Semester

### First Semester

Course #	Course Name	Cr/Ct
BIOL 107	Environmental Science	3
BIOL 108	Environmental Science Lab	1
ENGL 101	Rhetoric & Composition	3
MATH 105	Intermediate Algebra	4* or
MATH 106	Technical Algebra & Trigonometry I	4*
WATR 110	Wastewater Operations & Management	4
<b>First Semester Total - Credit(s): 15   Contacts: 16</b>		

### Second Semester

Course #	Course Name	Cr/Ct
CHEM 108	Technical Chemistry	5**
POLI 111	American Government	3 or
POLI 262	State & Local Government	3
WATR 120	Water Operations & Management	4
WATR 260	Current Issues for Managers	3
<b>Second Semester Total - Credit(s): 15   Contacts: 17</b>		

### Third Semester

Course #	Course Name	Cr/Ct
ACCT 101	Accounting Principles I	4
BUSN 160	Introduction to Business	3
ECON 132	Microeconomics	3
WATR 240	Environmental Analysis	5
WATR 270	Water in Motion	4
<b>Third Semester Total - Credit(s): 19   Contacts: 21</b>		

### Fourth Semester

Course #	Course Name	Cr/Ct
BUSN 242	Principles of Management	3
COMM 103	Interpersonal Communication	3 or
COMM 104	Public Speaking	3
WATR 220	Industrial Solutions	3
WATR 230	Aquatic Evaluations & Bacteriology	3
WATR 274	Environmental Internship	3
<b>Fourth Semester Total - Credit(s): 15-16   Contacts: 15-16</b>		

## Note(s)

\* MATH 105 and MATH 106 do not satisfy MTA. Transfer students should take MATH 110 which will fulfill the math requirement. Bay has an articulation agreement with LSSU whereby courses in this program transfer into a B.S. of Environmental Management. Students will need to complete additional General Education requirements to satisfy MTA. See course catalog for additional information about the Michigan Transfer Agreement. Students should also check with their transfer institution for the level of math required.

\*\* CHEM 110 and CHEM 112 are recommended for the first and second semesters for students transferring into a Baccalaureate degree. Students should check with the transfer institution. Students who choose to take CHEM 110 also need to take CHEM 112 to meet program requirements. Students who take CHEM 108 do not need CHEM 110 or CHEM 112; however, CHEM 108 is not transferrable in most cases.