

Environmental Management, AAS

Award Granted: Associate in Applied Science in Environmental Management

Credits/Contacts Required: **68/72**

Major code: 03/344

CIP Code: 150507

Description

The Environmental Management Program is designed for preparing students to become environmental managers, bio field and laboratory managers, consultants, engineering managers, environmental planners, and business managers. This program will provide students with a strong background in a variety of environmental operations, field and laboratory equipment use, environmental law, business management, and real work experience in the environmental and business world.

General Education Requirements (Min 18 Credits)

- ENGL 101 - Rhetoric & Composition **Credits: 3**
- CHEM 102 - Introduction to Chemistry **Credits: 4**
- CHEM 104 - Introduction to Chemistry Lab **Credit: 1**
- COMM 103 - Interpersonal Communication **Credits: 3**
OR COMM 104 - Public Speaking **Credits: 3**
- MATH 105 - Intermediate Algebra **Credits: 4 ***
- POLI 111 - American Government **Credits: 3 OR**
POLI 262 - State & Local Government **Credits: 3**

Program Requirements (Min 50 Credits)

- ACCT 101 - Accounting Principles I **Credits: 4**
- BIOL 107 - Environmental Science **Credits: 3**
- BIOL 108 - Environmental Science Lab **Credit: 1**
- BUSN 160 - Introduction to Business **Credits: 3**
- BUSN 242 - Principles of Management **Credits: 3**
- ECON 132 - Microeconomics **Credits: 3**
- WATR 111 - Wastewater Operations & Management I **Credits: 3**
- WATR 112 - Wastewater Operations & Management II **Credits: 3**
- WATR 121 – Water Operations Management I **Credits: 3**
- WATR 122 – Water Operations Management II **Credits: 3**
- WATR 125 – Water Math **Credits: 3**
- WATR 220 – Industrial Solutions **Credits: 3**
- WATR 231 – Aquatics and Bacteriology **Credits: 2**
- WATR 232 – Aquatics and Bacteriology **Credits: 2**
- WATR 241 – Environmental Analysis **Credits: 2**
- WATR 242 – Environmental Analysis Lab **Credits: 3**
- WATR 262 – Utility Management and Business **Credits: 3**
- WATR 274 - Environmental Internship **Credits: 3**

OPTIONAL: CHEM 112 - General Chemistry II **Credits: 5 ****

Suggested Sequences Per Semester

First Semester

- BIOL 107 - Environmental Science **Credits: 3**
- BIOL 108 - Environmental Science Lab **Credit: 1**
- ENGL 101 - Rhetoric & Composition **Credits: 3**
- MATH 105 - Intermediate Algebra **Credits: 4 ***
- WATR 111 - Wastewater Operations & Management I **Credits: 3**
- WATR 121 – Water Operations & Management I **Credits: 3**

First Semester Total - Credit(s): 17 | Contacts: 18

Second Semester

- CHEM 102 - Introduction to Chemistry **Credits: 4**
- CHEM 104 - Introduction to Chemistry Lab **Credits: 1**
- POLI 111 - American Government **Credits: 3 OR**
POLI 262 - State & Local Government **Credits: 3**
- WATR 112 – Wastewater Operations & Management II **Credits: 3**
- WATR 122 – Water Operations & Management II **Credits: 3**
- WATR 262 – Utility Management and Business **Credits: 3**

Second Semester Total - Credit(s): 17 | Contacts: 18

Third Semester

- ACCT 101 - Accounting Principles I **Credits: 4**
- BUSN 160 - Introduction to Business **Credits: 3**
- ECON 132 - Microeconomics **Credits: 3**
- WATR 125 – Water Math **Credits: 3**
- WATR 241 – Environmental Analysis **Credits: 2**
- WATR 242 – Environmental Analysis Lab **Credits: 3**

Third Semester Total - Credit(s): 18 | Contacts: 20

Fourth Semester

- BUSN 242 - Principles of Management **Credits: 3**
- COMM 103 - Interpersonal Communication **Credits: 3 OR**
COMM 104 - Public Speaking **Credits: 3**
- WATR 220 – Industrial Solutions **Credits: 3**
- WATR 231 – Aquatics and Bacteriology **Credits: 2**
- WATR 232 – Aquatics and Bacteriology Lab **Credits: 2**
- WATR 274 – Environmental Internship **Credits: 3**

Fourth Semester Total - Credit(s): 16 | Contacts: 16

NOTES:

* 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.