

Environmental Management, AAS

2023-2024 Catalog

Award Granted Upon Completion: Associate in Applied Science in Environmental Management

Credits/Contacts Required: **64/70**

Major code: 03/344

CIP Code: 150507

*****NOTE - This program is currently under revision. Please see your advisor for appropriate course selection.**

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 **Credit(s): 3**
- CHEM 102 - Introduction to Chemistry **Credit(s): 4**
- CHEM 104 - Introduction to Chemistry Lab **Credit(s): 1**
- COMM 103 - Interpersonal Communication **Credit(s): 3 OR**
- COMM 104 - Public Speaking **Credit(s): 3**
- MATH 105 - Intermediate Algebra **Credit(s): 4 * OR**
- MATH 106 - Technical Algebra & Trigonometry I **Credit(s): 4 ***
- POLI 111 - American Government **Credit(s): 3 OR**
- POLI 262 - State & Local Government **Credit(s): 3**

Program Requirements (Min 46 Credits)

- ACCT 101 - Accounting Principles I **Credit(s): 4**
- BIOL 107 - Environmental Science **Credit(s): 3**
- BIOL 108 - Environmental Science Lab **Credit(s): 1**
- BUSN 160 - Introduction to Business **Credit(s): 3**
- BUSN 242 - Principles of Management **Credit(s): 3**
- ECON 132 - Microeconomics **Credit(s): 3**
- WATR 110 - Wastewater Operations & Management **Credit(s): 4**
- WATR 120 - Water Operations & Management **Credit(s): 4**
- WATR 220 - Industrial Solutions **Credit(s): 3**
- WATR 230 - Aquatic Evaluations & Bacteriology **Credit(s): 3**
- WATR 240 - Environmental Analysis **Credit(s): 5**
- WATR 260 - Current Issues for Managers **Credit(s): 3**
- WATR 270 - Water in Motion **Credit(s): 4**
- WATR 274 - Environmental Internship **Credit(s): 3**
- Optional
- CHEM 112 - General Chemistry II **Credit(s): 5 ****

Suggested Sequences Per Semester

First Semester

- BIOL 107 - Environmental Science **Credit(s): 3**
- BIOL 108 - Environmental Science Lab **Credit(s): 1**
- ENGL 101 - Rhetoric & Composition **Credit(s): 3**
- WATR 110 - Wastewater Operations & Management **Credit(s): 4**
- MATH 105 - Intermediate Algebra **Credit(s): 4 * OR**
- MATH 106 - Technical Algebra & Trigonometry I **Credit(s): 4 ***

First Semester Total - Credit(s): 15 | Contacts: 16

Second Semester

- CHEM 102 - Introduction to Chemistry **Credit(s): 4**
- CHEM 104 - Introduction to Chemistry Lab **Credit(s): 1**
- WATR 120 - Water Operations & Management **Credit(s): 4**
- WATR 260 - Current Issues for Managers **Credit(s): 3**
- POLI 111 - American Government **Credit(s): 3 OR**
- POLI 262 - State & Local Government **Credit(s): 3**

Second Semester Total - Credit(s): 15 | Contacts: 17

Third Semester

- ACCT 101 - Accounting Principles I **Credit(s): 4**
- BUSN 160 - Introduction to Business **Credit(s): 3**
- ECON 132 - Microeconomics **Credit(s): 3**
- WATR 240 - Environmental Analysis **Credit(s): 5**
- WATR 270 - Water in Motion **Credit(s): 4**

Third Semester Total - Credit(s): 19 | Contacts: 21

Fourth Semester

- BUSN 242 - Principles of Management **Credit(s): 3**
- WATR 220 - Industrial Solutions **Credit(s): 3**
- WATR 230 - Aquatic Evaluations & Bacteriology **Credit(s): 3**
- WATR 274 - Environmental Internship **Credit(s): 3**
- COMM 103 - Interpersonal Communication **Credit(s): 3 OR**
- COMM 104 - Public Speaking **Credit(s): 3**

Fourth Semester Total - Credit(s): 15-16 | Contacts: 15-16

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.