

Environmental Management

2017-2018 Catalog

Award Granted Upon Completion: Associate in Applied Science in Environmental

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

Major code: 03/344

Management

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

		<u>Cr</u>
ENGL-101	Rhetoric & Composition	3
COMM-103	Interpersonal Communication	3
COMM-104	-OR- Public Speaking	
MATH-106	Technical Algebra & Trig I * -OR-	4
MATH-105	Intermediate Algebra *	
CHEM-110	General Chemistry I -OR- **	5
CHEM-108	Technical Chemistry	
POLI-111	American Government -OR-	3
POLI-262	State & Local Government	

Requirements – Min 46 credits **

		<u>Cr</u>
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 & Mgmt	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

CHEM-112	General Chemistry II **	5
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Suggested Sequences Per Semester

		<u>Cr / Ct</u>
First Semester		
BIOL-107	Environmental Science	3/3
BIOL-108	Environmental Science Lab	1/2
ENGL-101	Rhetoric & Composition	3/3
MATH-105	Intermediate Algebra * -OR-	4/4
MATH-106	Technical Algebra *	
WATR-110	Wastewater Operations & Management	4/4
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		15/16
Second Semester		
CHEM-108	Technical Chemistry **	5/7
POLI-111	American Government -OR-	3/3
POLI-262	State & Local Government	
WATR-120	Water Operations & Mgmt	4/4
WATR-260	Current Issues for Managers	3/3
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		15/17
Third Semester		
ACCT-101	Accounting Principles I	4/4
BUSN-160	Introduction to Business	3/3
ECON-132	Microeconomics	3/3
WATR-240	Environmental Analysis	5/7
WATR-270	Water in Motion	4/4
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		19/21
Fourth Semester		
BUSN-242	Principles of Management	3/3
COMM-103	Interpersonal Comm -OR-	3-4/3-4
COMM-104	Public Speaking	
WATR-220	Industrial Solutions	3/3
WATR-230	Aquatic Eval & Bacteriology	3/4
WATR-274	Environmental Internship	3/3
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		15-16/16-17

* MATH-106 and MATH-105 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.