

# Associate in Science

2018-2019 Catalog

## Concentration in Pre-Natural Resources

Award Granted Upon Completion: Associate in Science

Credits/Contacts Required: 60/69

Major code: 02/227

CIP Code: 240101

### Description

The Pre-Natural Resources Degree is designed for students who wish to transfer to a four-year college or university to obtain an undergraduate degree in Ecology, Ecosystem Management, Environmental Biology, Environmental Conservation, Environmental Science, Fisheries and Wildlife, Forestry, Natural Resources Management, Outdoor Recreation, or Wildlife Management. The most common transfer institutions for students in Pre-Natural Resources include Lake Superior State University (LSSU), Michigan Technological University (MTU), Michigan State University (MSU), and University of Wisconsin Stevens Point (UWSP). In addition to preparation for transfer, this program provides students with a strong general education background. By satisfying the program requirements listed below, a student also satisfies the Michigan Transfer Agreement requirements listed in the catalog. 🔄

#### General Education Requirements – Min 32 credits @

		<u>Cr</u>
ENGL-101	Rhetoric & Composition	3
XXXX-xxx	Communication Elective	3
	ENGL-102 or 145; COMM-103, 104, or 120	
MATH-141	Analytical Geometry & Calc I	5
BIOL-107	Environmental Science	3
BIOL-108	Environmental Science Lab	1
CHEM-110	General Chemistry I *	5
ECON-131	Macroeconomics -OR-	3
ECON-132	Microeconomics	
XXXX-xxx	Social Behavioral Science	3
	Elective **	
XXXX-xxx	Humanities Electives **	6

🔄 This degree requires fulfillment of the Michigan Transfer Agreement General Education requirements. All courses used to fulfill the MTA must have a grade of "C" or higher.

#### Requirements – Min 28 credits @

		<u>Cr</u>
BIOL-110	Evolution and Diversity	4
BIOL-112	Cells and Molecules	4
MATH-210	Introduction to Statistics	4
XXXX-xxx	Natural Science Elective	4-5
XXXX-xxx	Approved Electives #	12

#### Suggested Sequences per Semester

		<u>Cr / Ct</u>
<b>First Semester</b>		
BIOL-110	Evolution & Diversity	4/6
CHEM-110	General Chemistry I *	5/7
ENGL-101	Rhetoric & Composition	3/3
MATH-141	Analytical Geometry & Calculus I	5/5
		<b>17/21</b>
<b>Second Semester</b>		
BIOL-112	Cells & Molecules	4/6
ECON-131	Macroeconomics -OR-	3/3
ECON-132	Microeconomics	
XXXX-xxx	Communication Elective	3/3
XXXX-xxx	Approved Elective #	3-5/3-7
XXXX-xxx	Approved Elective #	3-5/3-7
		<b>16-20/18-26</b>
<b>Third Semester</b>		
BIOL-107	Environmental Science	3/3
BIOL-108	Environmental Science Lab	1/2
MATH-210	Introduction to Statistics	4/4
XXXX-xxx	Humanities **	3/3
XXXX-xxx	Approved Elective #	3-5/3-7
		<b>14-16/15-19</b>
<b>Fourth Semester</b>		
XXXX-xxx	Natural Science Elective	4-5/6-7
XXXX-xxx	Humanities **	3/3
XXXX-xxx	Social & Behavioral Science **	3/3
XXXX-xxx	Approved Elective #	3-5/3-7
		<b>13-16/15-20</b>

**NOTE** Actual courses and sequence vary with transfer institution and undergraduate degree specialization. It is in the student's best interest to review transfer guides for specific university and program requirements. Students should regularly consult their transfer institution as well as their Bay College advisor prior to scheduling courses.

@ Many courses require specific placement scores or prerequisite courses. Students not meeting the prerequisites for their required courses may need to take more time and more credits to fulfill the degree requirements.

\* Students transferring to MTU may select CHEM-108 rather than CHEM-110.

\*\* Students must choose courses in Social & Behavioral Sciences and Humanities, each from two different subject areas to meet MTA. See advisor for details.

# Electives selected in consultation with transfer institutions may include BIOL-202, COMM-103, COMM-104, CHEM-112, CHEM-108, MATH-142, and PHED courses.