

Degree Pathway

A.S. in Environmental Science – Catalog Year 2023-24

The number of credits you take each year will determine when you graduate. To graduate on time, you are strongly encouraged to enroll in at least 30 credits toward your degree during the calendar year, including fall and spring semesters and winter and summer sessions. This Degree Pathway is designed for students who place into **MA-119**. Additional Degree Pathways are available for students who place into other levels of mathematics. Please see the degree website or your advisor for more information.

Courses in **Bold Text** are prerequisites for later courses or only offered in the Fall or Spring semester and should be taken where indicated in the sequence.

Fall Semester #1

Courses	Credits	Prerequisites and Corequisites ¹
ENGL-101 English Composition I (Required Core 1A: English Composition)	3	Prerequisite: Complete developmental requirements in English
MA-119 College Algebra (Advised Major Elective)	3	Prerequisite: Complete developmental requirements in math
MA-121 Trigonometry (Advised Major Elective)	1	Corequisite: MA-119
BI-201 General Biology I ² (Required Core 1C – Life & Physical Sciences)	4	Prerequisite: Complete developmental requirements in English
BI-160 Ecology (Required for Major) – offered Fall semester only	4	Prerequisite: Complete developmental requirements in English
Total credits for the term	15	

Spring Semester #1

Courses	Credits	Prerequisites and Corequisites ¹
ENGL-102 English Composition II (Required Core 1A: English Composition)	3	Prerequisite: ENGL-101 or placement
MA-440 Pre-Calculus Mathematics ² (Required for Major) (Required Core 1B - Mathematical & Quantitative Reasoning)	4	Prerequisite: MA-119 and MA-121 (C or better in both) or MA-114 (C or better) or placement
Flexible Core 2E ² – Scientific World Recommended: BI-202 General Biology II	4	Prerequisite: BI-201
GE-101 Physical Geology (Required for Major)	4	None
Total credits for the term	15	

Fall Semester #2

Courses	Credits	Prerequisites and Corequisites ¹
Flexible Core 2E ² – Scientific World CH-151 General Chemistry I	4.5	Prerequisite: MA-119 and MA-121 or placement
BI-480 Environmental Science (Required for Major) – offered Fall only	4	Prerequisite: Complete developmental requirements in English
Advised Major Elective – Choose one credit from the list below Recommended: BI-505 Current Environmental Issues	1	None
One course from Flexible Core 2A, 2B, 2C, or 2D ³	3	Check individual courses for prerequisites and corequisites
One course from Flexible Core 2A, 2B, 2C, or 2D ³	3	Check individual courses for prerequisites and corequisites
Total credits for the term	15.5	

Spring Semester #2

Courses	Credits	Prerequisites and Corequisites ¹
Additional Flexible Core Course ^{2,3} CH-152 General Chemistry II	4.5	Prerequisite: CH-151
BI-461 Microbiology (Required for Major)	4	Prerequisite: BI-201
One course from Flexible Core 2A, 2B, 2C, or 2D ³	3	Check individual courses for prerequisites and corequisites
One course from Flexible Core 2A, 2B, 2C, or 2D ³	3	Check individual courses for prerequisites and corequisites
Total credits for the term	14.5	
Total credits required for the degree	60	

Notes:

- Prerequisites for a course must be passed before taking the course. Corequisites must be passed before taking the course or taken in the same term as the course.
- Students are required to take particular courses in some areas of the Common Core that fulfill both general education and major requirements. If students do not take the required courses in the Common Core, they will have to take additional credits to complete their degree requirements.
- Students must complete one course from each of the Flexible Core categories (2A, 2B, 2C, 2D, and 2E) and one additional course from any one of the categories. Flexible Core Area 2E will be met by CH-151 and the One Additional Flexible Core Course requirement will be met by CH-152.

All students must complete two (2) WI designated classes to fulfill degree requirements

Advised Major Electives – Students must complete a total of 5 credits of coursework from the following list:

Course	Credits	Prerequisites and Corequisites
BI-505 Current Environmental Issues	1	None
BI-554 Research Laboratory Internship	2	Prerequisites: BI-201 and permission of the instructor
CH-110 Chemistry and the Environment	3	None
CH-111 Chemistry and the Environment Laboratory	1	Corequisite: CH-110
ET-841 The Science of Energy and Power in the Modern World	3	None
ET-842 Energy Production and Conservation for a Sustainable World	1	Corequisite: ET-841
ET-843 The Role of Energy in Society	3	None
GE-102 Historical Geology	4	None
HE-110 Cardiopulmonary Resuscitation	1	None
MA-119 College Algebra	3	Prerequisite: Complete developmental requirements in English
MA-121 Trigonometry	1	Corequisite: MA-119
MA-336 Statistics	3	Prerequisite: MA-119 or MA-114 (either with a C or better) or placement
MA-441 Analytic Geometry and Calculus I	4	Prerequisite: MA-440 (C or better)
PH-120 Introduction to Meteorology	3	None
PH-121 Introduction to Meteorology Lab	1	Corequisite: PH-120
PH-124 Global Warming	3	None