Degree Map

A.S. in Biology – Catalog Year 2025-26

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 map is designed for students who place into **MA-119 and ENGL-101**. Additional degree maps 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[2] (Major Elective)	3	Prerequisite: Complete developmental requirements in math
MA-121 Trigonometry[2] (Major Elective)	1	Corequisite: MA-119
BI-201 General Biology I (Required Core 1C – Life & Physical Sciences)	4	Prerequisite: Complete developmental requirements in English
SP-211 Speech Communication[3] (Required for Flexible Core 2B – U.S. Experience & Its Diversity)	3	None
Total credits for the term	**14**	

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] (Major Elective)	4	Prerequisites: MA-119 and MA-121 (C or better in both)
BI-202 General Biology II (Required for major)	4	Prerequisite: BI-201
CH-151 General Chemistry I[3] (Required for Flexible Core 2E – Scientific Word)	4.5	Prerequisite: MA-119 and MA-121 or placement
Total credits for the term	**15.5**	

Fall Semester #2

Courses	Credits	Prerequisites and Corequisites[1]
MA-441 Analytic Geometry and Calculus I (Required Core 1B - Mathematical & Quantitative Reasoning)	4	Prerequisite: MA-440 (C or better)
BI-203 Cell Biology (Required for major)	3	Prerequisite: BI-201
Major Elective Courses – Select 4-5 credits from the table below[3]	3-4	See table below
CH-152 General Chemistry II[3] (Required for Additional Flexible Core Course)	4.5	Prerequisite: CH-151
Total credits for the term	**14.5-15.5**	

Spring Semester #2

Courses	Credits	Prerequisites and Corequisites[1]
Major Elective Courses – Select 5-6 credits from the table below[3]	6-7	See table below
One course from Flexible Core 2A, 2C, or 2D[3]	3	Check individual courses for prerequisites and corequisites
One course from Flexible Core 2A, 2C, or 2D[2]	3	Check individual courses for prerequisites and corequisites
One course from Flexible Core 2A, 2C, or 2D[3]	3	Check individual courses for prerequisites and corequisites
Total credits for the term	**15-16**	
Total credits required for the A.S. degree	**60**	

Notes:

1. 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.

2. Depending on their math placement, students may be required to complete MA-119, MA-121 and/or MA-440 (with a C or better) prior to MA-441. Those additional mathematics courses will count as major electives.

3. Students must complete one course from Flexible Core categories 2A, 2C, and 2D. The course from Flexible Core 2B is required to be SP-211. The course from Flexible Core 2E is required to be CH-151 and the additional flexible core course is required to be CH-152.

4. Students must complete at least 18 credits of major elective courses from the table below.

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

Major Elective Courses – Select 18 credits from the following

Major Elective Courses	Credits	Prerequisites and Corequisites
BI-356 Principles of Genetics	4	Prerequisite: BI-201 (C or better)
BI-357 Bioinformatics/Computational Biology	3	Prerequisite: BI-201 (C or better)
BI-453 Biotechnology	5	Prerequisites: BI-201 and permission of instructor
BI-456 Introduction to Biological Research	4	Prerequisite: BI-201; Corequisites: BI-202 and permission of the instructor
BI-461 Microbiology	4	Prerequisite: BI-201
BI-554 Research Laboratory Internship	2	Prerequisites: BI-201 and permission of the instructor
CH-251 Organic Chemistry I	5	Prerequisite: CH-152 or Departmental Permission
CH-252 Organic Chemistry II	5	Prerequisite: CH-251
MA-119 College Algebra	3	Prerequisite: Complete dev reqs in mathematics or take with MA-10ALP
MA-121 Elementary Trigonometry	1	Corequisite: MA-119
MA-440 Pre-Calculus Mathematics	4	Prerequisite: MA-119 and MA-121 (C or better in both)
PH-301 College Physics I	4	Prerequisite: MA-114 or MA-119 and MA-121
PH-302 College Physics II	4	PH-301 (C or better)