

BIOLOGY: ORGANISMAL, ECOLOGICAL, & EVOLUTIONARY BIOLOGY OPTION

Bachelor of Science (BS)

This is a guide based on the 2025-2026 Undergraduate Bulletin and is subject to change. The time it takes to earn a degree will vary based on several factors such as dual enrollment, remediation, and summer enrollment. Students will meet with an academic advisor each semester and use Degree Works to monitor their individual progress.

CURRICULUM CHECKLIST

"Critical Courses" are **italicized and bolded**. Data shows that students who have completed this course in the first two years and have earned the noted grade are most likely to complete this program of study.

56-59 hour major – No minor required

- ___ ***BI163 Evolution & Ecology (4)***
- ___ BI173 Cell & Organismal Biology (4)
- ___ ***BI283 Genetics (4)***
- ___ BI389 Career Development in Biology (2)
- ___ CH184 General Chemistry I Lab (1)
- ___ CH185 General Chemistry I (3)
- ___ MI101 Introduction to Microcomputer Applications (3)

Choose one math course:

- ___ MA116 Precalculus A (3)
- ___ MA137 Precalculus (5)
- ___ MA139 Applied Calculus (3)
- ___ MA140 Analytical Geometry & Calculus I (5)

Experiential Learning Requirement: 2 hours

- ___ BI551-553 Biology Field Studies (2)
- ___ BI563-565 Experience in Museum Curation (1-3)
- ___ BI570 Development of Instructional Materials (1-3)
- ___ BI582 Internship in Biology (1-3)
- ___ BI589-591 Biological Research (1-3)

Organismal, Ecological, & Evolutionary Option Required Courses

- ___ BI300 Introduction to Evolutionary Biology (3)
- ___ BI304 Introduction to Biological Collections (3)
- ___ ***BI332 General Ecology (4)***
- ___ BI436 Phylogenetic Systematics (4)
- OR
- ___ BI438 Biogeography (3)
- ___ BO310 Plant Biology (4)
- ___ ZO310 Zoology (4)
- ___ BO3xx-5xx (3)
- ___ ZO3xx-5xx (3)
- ___ Any BI, BO, ZO, BT courses, 300 level and above (3)

Non-Biology Requirement:

- ___ MA223 Elementary Probability & Statistics (3)

General Education Requirements – some requirements may be fulfilled by coursework in major program

- Social and Behavioral Sciences – 6 hours
- Constitution Requirement – 3 hours
- Written Communication – 6 hours
- Oral Communication – 3 hours
- Natural Sciences – 7 hours (from two disciplines, one to include a lab)
- Mathematics – 3 hours
- Humanities & Fine Arts – 9 hours (from at least two disciplines)
- Additional requirements – 5 hours (to include UI100 for native students)
- Civics examination

SAMPLE FOUR-YEAR PLAN

	Fall Semester		Spring Semester	
	Course #	Hrs	Course #	Hrs
FIRST YEAR	UI100	1	BI173/073	4
	<i>BI163/063</i>	4	EN100	3
	CH184/CH185	4	MA223	3
	MA116/137/139/140	3-5	General Education	3
	MI101	3	General Education	3
	Total	15-17	Total	16
Milestone: achieve a target cumulative GPA of 3.0				
SECOND YEAR	<i>BI283/083</i>	4	BI300	3
	<i>BI332</i>	4	BI304	3
	General Education	3	BI389	2
	General Education	3	General Education	3
			General Education	3
	Total	14	Total	14
Milestone: achieve a target cumulative GPA of 3.0				
THIRD YEAR	BI436 or BI438	3-4	BO310/010	4
	ZO310/010	4	ZOxxx Upper-level elective	3
	General Education	3	Elective	3
	Elective	3	Elective	3
	Elective	3	Elective	3
	Total	16-17	Total	16
Milestone: achieve a target cumulative GPA of 3.0				
FOURTH YEAR	Experiential Learning Course	2	BOxxx Upper-level elective	3
	BI/BT/BO/ZO elective	3	General Education	3
	General Education	3	Elective	3
	Elective	3	Elective	3
	Elective	3	Elective	3
	Total	14	Total	15
Milestone: achieve a target cumulative GPA of 3.0				

A "Milestone" signifies a significant stage for a student in the completion of a degree.

Degree requirements for all students: a minimum of 120 credit hours, completion of the General Education program, and completion of 39 senior division hours (300-599). Refer to the Undergraduate Bulletin or Degree Works for additional graduation requirements for your program.

A minimum 2.0 GPA in the major and overall are required to graduate with a BS degree.

Revised
3/3/2025

2025-2026 degree map

