

BIOLOGY: WILDLIFE & CONSERVATION BIOLOGY OPTION

Bachelor of Science (BS)

This is a guide based on the 2026-2027 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.

65-67 hour major – No minor required

Required courses:

- ___ ***BY163 Evolution & Ecology (4)***
- ___ BY173 Cell & Organismal Biology (4)
- ___ ***BY283 Genetics (4)***
- ___ BY389 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

- ___ BY580 Development of Instructional Materials (3)
- ___ BY582 Internship in Biology (1-3)
- ___ BY585 Biology Field Studies (1-6)
- ___ BY587 Experience in Museum Curation (1-3)
- ___ BY591 Biological Research (1-6)

Wildlife and Conservation Option Required Courses:

- ___ BY320 Zoology (4)
- ___ ***BY330 General Ecology (4)***
- ___ BY360 Plant Biology (4)

Choose 9 hours from:

- ___ BY430 Management of Wildlife Habitat (3)
- ___ BY431 Management of Wildlife Populations (3)
- ___ BY432 Wetland Ecology and Management (3)
- ___ BY433 Wildlife Management Techniques (3)
- ___ BY435 Conservation Biology (3)
- ___ BY436 Wildlife Disease (3)

Biology Electives: choose at least 15 Hours not selected above

- ___ Any BY courses, 300 level and above (15)

Choose 3 hours:

- ___ BYxxx, EVxxx, GTxxx 300 level and above (3)

Non-Biology Requirements: 9 hours

- ___ GO110 Physical Geology (3)
- ___ GT101 Introduction to GIS 1 (3)
- ___ 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	BY173/073	4
	<i>BY163/063</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>BY283/083</i>	4	BY389	2
	<i>BY330</i>	4	GO110/010	3
	GT101	3	BI Wildlife Elective	3
	General Education	3	General Education	3
	Total	14	Total	14
Milestone: achieve a target cumulative GPA of 3.0				
THIRD YEAR	BY320/020	4	BY360	4
	BI Wildlife elective	3	BI Wildlife elective	3
	Experiential Learning Course	2	Biology elective	3
	General Education	3	General Education	3
	Total	15	Total	16
Milestone: achieve a target cumulative GPA of 3.0				
FOURTH YEAR	Biology elective	3	Elective	3
	Elective	3	Elective	3
	Elective	3	Elective	3
	Elective	3	Elective	3
	Total	15	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
5/14/2026

DEGREE MAP 2026-2027

