

**BIOLOGY: WILDLIFE & CONSERVATION BIOLOGY OPTION****Bachelor of Science (BS)**

This is a guide based on the 2023-2024 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.

**49-51 Hour Major – No Minor Required****Required Courses:**

- \_\_\_ ***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)

**Choose one math course:**

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

**Choose one additional math course:**

- \_\_\_ MA155 Statistical Reasoning (3)
- \_\_\_ MAxxx Additional math (for which MA116 is a prerequisite) (3)

**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)
- \_\_\_ BI582 Internship in Biology (1-3)

**Wildlife and Conservation Option Required Courses:**

- \_\_\_ ***BI332 General Ecology (3)***
- \_\_\_ BO310 Plant Biology (4)
- \_\_\_ ZO310 Zoology (4)

**Choose 6 Hours From:**

- \_\_\_ BI420 Management of Wildlife Populations (3)
- \_\_\_ BI430 Management of Wildlife Habitat (3)
- \_\_\_ BI435 Conservation Biology (3)
- \_\_\_ BI440 Wetland Ecology and Management (3)
- \_\_\_ BI469 Wildlife Disease (3)

**Biology Electives: choose at least 6 Hours not selected above**

- \_\_\_ Any BI, BO, ZO, BT courses, 300 level and above (6)

**Non-Biology Requirements: 3 Hours**

- \_\_\_ GO110 Physical Geology (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
<b>FIRST YEAR</b>	UI100	BI173	4
	<b><i>BI163</i></b>	EN100	3
	CH184/CH185	Additional Math	3
	MA116/137/139/140	General Education	3
	General Education	General Education	3
	<b>Total</b>	<b>Total</b>	<b>16</b>
Milestone: achieve a target cumulative GPA of 3.0			
<b>SECOND YEAR</b>	<b><i>BI283</i></b>	<b><i>BI332</i></b>	<b>3</b>
	General Education	BO310	4
	General Education	General Education	3
	General Education	General Education	3
	Elective	General Education	3
	<b>Total</b>	<b>Total</b>	<b>16</b>
Milestone: achieve a target cumulative GPA of 3.0			
<b>THIRD YEAR</b>	BI389	BI420/430/435/440/469	3
	ZO310/010	GO110/010	3
	Biology Elective	Biology Elective	3
	Elective	Elective	3
	Elective	Elective	3
	<b>Total</b>	<b>Total</b>	<b>15</b>
Milestone: achieve a target cumulative GPA of 3.0			
<b>FOURTH YEAR</b>	BI420/430/435/440/469	Elective	3
	Experiential Learning Crs	Elective	3
	Elective	Elective	3
	Elective	Elective	3
	Elective	Elective	1
	<b>Total</b>	<b>Total</b>	<b>13</b>
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  
7/6/2023

2023-2024 *degree map*



**SOUTHEAST MISSOURI**  
**STATE UNIVERSITY • 1873®**

CENTER FOR ACADEMIC ADVISING / [semo.edu/advising](https://semo.edu/advising)  
OFFICE OF ADMISSIONS / (573) 651-2590 / [admissions@semo.edu](mailto:admissions@semo.edu)