

“W” Number: _____
 Student Name: _____
 Advisor Name: _____

Catalog: 2021-2022 University of Wyoming Catalog
 Program: Biology, B.S.

Biology, B.S.

The Bachelor of Science degree in Biology is designed to provide a thorough foundation in biology and other supporting areas of science and mathematics, while providing maximum flexibility and student choice. The degree program is administered by the Department of Botany.

The Biology major is designed for students interested in obtaining a broad education in biological sciences. It enables students to combine courses in biology, botany, zoology, physiology, and other biological sciences to meet the requirements of the major. On completion of the core requirements for the major, specific courses selected to complete the major may vary according to students' interests and are worked out by consultations between student and adviser. The requirements for a bachelor of science degree in biology are as follows:

*Course must be completed with a grade of C or better.

Freshman Year: Fall

Course Name	Credits:	Term Taken	Grade	Gen Ed
LIFE1010 - General Biology *	Credits: 4			
• First-Year Seminar Credits: 3 * (FY)				
MATH1400 - College Algebra	Credits: 3			
CHEM1020 - General Chemistry I	Credits: 4			
OR				
CHEM1000 - Introductory Chemistry	Credits: 4			

Total: 14 Hours

Freshman Year: Spring

Course Name	Credits:	Term Taken	Grade	Gen Ed
ENGL1010 - College Composition and Rhetoric *	Credits: 3			
MATH1405 - Trigonometry	Credits: 3			
COSC1010 - Introduction to Computer Science I	Credits: 4			
• A&S Core Global Credits: 3				

One of the Following

Course Name	Credits:	Term Taken	Grade	Gen Ed
LIFE2022 - Animal Biology	Credits: 4			
LIFE2023 - Biology of Plants and Fungi	Credits: 4			
MICR2021 - General Microbiology	Credits: 4			
MOLB2021 - General Microbiology	Credits: 4			

Total: 16 Hours

Sophomore Year: Fall

Course Name	Credits:	Term Taken	Grade	Gen Ed
MATH2200 - Calculus I	Credits: 4			
PHYS1110 - General Physics I	Credits: 4			
• Human Culture Credits: 3 (H)				

One of the Following

Course Name	Credits:	Term Taken	Grade	Gen Ed
LIFE2022 - Animal Biology	Credits: 4			
LIFE2023 - Biology of Plants and Fungi	Credits: 4			
MICR2021 - General Microbiology	Credits: 4			
MOLB2021 - General Microbiology	Credits: 4			

Total: 15 Hours

Sophomore Year: Spring

Course Name	Credits:	Term Taken	Grade	Gen Ed
LIFE3050 - Genetics	Credits: 4			
LIFE2100 - Intro Research and Analysis	Credits: 4			
OR				
STAT2050 - Fundamentals of Statistics	Credits: 4			
PHYS1120 - General Physics II	Credits: 4			
• Human Culture Credits: 3 (H)				

Total: 15 Hours

Junior Year: Fall

Course Name	Credits:	Term Taken	Grade	Gen Ed
CHEM2300 - Introductory Organic Chemistry	Credits: 4			
• Communication II Credits: 3 (COM2) *				
LIFE3400 - General Ecology	Credits: 3			
• US and WY Constitutions Credits: 3 (V)				

Total: 13 Hours

Junior Year: Spring

Course Name	Credits:	Term Taken	Grade	Gen Ed
MOLB3610 - Principles of Biochemistry	Credits: 4			
• A&S Core US Diversity Credits: 3				
LIFE3500 - Evolutionary Biology	Credits: 3			
• Upper Division Electives Credits: 6				

Total: 16 Hours

Senior Year: Fall

Course Name	Credits:	Term Taken	Grade	Gen Ed
LIFE3600 - Cell Biology	Credits: 4			
BOT4100 - Scientific Communication (COM3) *	Credits: 2			
BOT4101 - Scientific Communication Lab (COM3) *	Credits: 1			
• Upper Division Electives Credits: 8				

Total: 15 Hours

Senior Year: Spring

- Upper Division Electives Credits: 16

Total: 16 Hours

Notes: