

“W” Number: \_\_\_\_\_  
 Student Name: \_\_\_\_\_  
 Advisor Name: \_\_\_\_\_

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

## Botany, B.S.

Botany is a B.S. degree and are required to take the following:

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

### Freshman Year

Students take introductory courses in biology, chemistry, physics, and mathematics. These courses provide the foundation for more advanced work in upper division biology courses and contribute to a more comprehensive understanding of biological processes.

#### 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			
<b>OR</b>				
CHEM1000 - Introductory Chemistry	Credits: 4			

**Total: 14 Hours**

#### Freshman Year: Spring

Course Name	Credits:	Term Taken	Grade	Gen Ed
LIFE2022 - Animal Biology	Credits: 4			
ENGL1010 - College Composition and Rhetoric	Credits: 3			
MATH1405 - Trigonometry	Credits: 3			
CHEM1030 - General Chemistry II	Credits: 4			
• A&S Core Global Credits: 3				

**Total: 17 Hours**

### Sophomore Year

Students take introductory courses in biology, chemistry, physics, and mathematics. These courses provide the foundation for more advanced work in upper division biology courses and contribute to a more comprehensive understanding of biological processes.

#### Sophomore Year: Fall

Course Name	Credits:	Term Taken	Grade	Gen Ed
LIFE2023 - Biology of Plants and Fungi	Credits: 4			
MATH2200 - Calculus I	Credits: 4			
LIFE2100 - Intro Research and Analysis	Credits: 4			
<b>OR</b>				
STAT2050 - Fundamentals of Statistics	Credits: 4			
PHYS1110 - General Physics I	Credits: 4			
• Human Culture Credits: 3 (H)				

**Total: 15 Hours**

#### Sophomore Year: Spring

Course Name	Credits:	Term Taken	Grade	Gen Ed
MICR2021 - General Microbiology	Credits: 4			

<b>OR</b>				
MOLB2021 - General Microbiology	Credits: 4			
BOT3000 - Plant Ecophysiology/Plant Form and Function	Credits: 4			
PHYS1120 - General Physics II	Credits: 4			
• Human Culture Credits: 3 (H)				

**Total: 15 Hours**

## Junior Year

Students take courses in genetics, ecology, evolution and statistics and meet with their adviser regularly to assess progress toward meeting all degree requirements.

### Junior Year: Fall

Course Name	Credits:	Term Taken	Grade	Gen Ed
BOT3600 - Plant Diversity and Systematics	Credits: 4			
CHEM2300 - Introductory Organic Chemistry	Credits: 4			
• Communication II Credits: 3 (COM2)				
LIFE3400 - General Ecology	Credits: 3			
LIFE3410 - Introduction to Field Ecology	Credits: 2			

**Total: 16 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				
LIFE3050 - Genetics	Credits: 4			
• Elective Credits: 3				

**Total: 14 Hours**

## Senior Year

In consultation with their advisers, students select advanced courses in the biological sciences that they find particularly interesting. Advisers maintain lists of suggested courses that include offerings from a variety of departments at UW.

### Senior Year: Fall

Course Name	Credits:	Term Taken	Grade	Gen Ed
BOT4700 - Vegetation Ecology	Credits: 4			
BOT4100 - Scientific Communication (COM3) *	Credits: 2			
BOT4101 - Scientific Communication Lab (COM3) *	Credits: 1			
• Upper Division Elective Credits: 4 (BOT)				
• Elective Credits: 3				

**Total: 14 Hours**

### Senior Year: Spring

Course Name	Credits:	Term Taken	Grade	Gen Ed
BOT4730 - Plant Physiological Ecology	Credits: 4			
• US and WY Constitutions Credits: 3 (V)				
• Upper Division Electives Credits: 8				

**Total: 15 Hours**

**Notes:**