

University of Wyoming Sample Four-Year Degree Plan  
Catalog Year: 2019-20

## Botany, BS



This sample degree plan is a guide, to be used for planning in consultation with your academic advisor. Actual course sequence may vary by student. A ▲ symbol identifies courses that must be taken and passed during the suggested semester in order for a student to stay on track toward completing the degree program within four years.

Sequence	Course Prefix	Course Number	Course Title	Credit Hours	Min Grade	Notes
----------	---------------	---------------	--------------	--------------	-----------	-------

### Freshman Fall Semester

			USP First-Year Seminar	3	C	FY
	LIFE	1010	General Biology <sup>1</sup>	4	C	
	MATH	1400	College Algebra <sup>2</sup>	3	C	Q
	ENGL	1010	College Composition and Rhetoric	3	C	C1
			A&S Global Core	3		ASG
<b>Credit hours subtotal:</b>				<b>16</b>		

### Freshman Spring Semester

			USP Human Culture	3		H
	CHEM	1020	General Chemistry I	4	C	PN
	LIFE	2022	Animal Biology	4	C	
	MATH	1405	Trigonometry	3		
<b>Credit hours subtotal:</b>				<b>14</b>		

### Sophomore Fall Semester

	CHEM	1030	General Chemistry II	4		
	LIFE	2023	Biology of Plants and Fungi	4	C	
	LIFE	2100	Introduction to Research and Analysis	4		Can substitute STAT 2050 or MATH 2200
	PHYS	1110	General Physics I	4		PN
<b>Credit hours subtotal:</b>				<b>16</b>		

### Sophomore Spring Semester

			USP Human Culture	3		H
	BOT	3000	Plant Form and Function	4		
	PHYS	1120	General Physics II	4		
	CHEM	2300	Introductory Organic Chemistry	4	C	Can substitute CHEM 2420
<b>Credit hours subtotal:</b>				<b>15</b>		

This sample degree plan is a guide for course work in the major. • Course sequencing may need to be altered if ACT, SAT or Math Placement scores require a student to take pre-college courses before taking required math or English courses. • Not all courses are offered every semester and some electives may have prerequisites. Students should review course descriptions in the University Catalog and consult with their academic advisor to plan accordingly.

#### University of Wyoming requirements:

Students must have a minimum cumulative GPA of 2.0 to graduate. • Students must complete 42 hours of upper division (3000-level or above) coursework, 30 of which must be from the University of Wyoming. • Courses must be taken for a letter grade unless offered only for S/U. • University Studies Program (USP) Human Culture (H) and Physical & Natural World (PN) courses must be taken outside of the major subject, but can be cross-listed with the major.

#### College of Arts and Sciences requirements:

Students must take two "core" courses in addition to UW's University Studies Program requirements: Diversity in the United States (ASD) and Global Awareness (ASG). • No more than 60 hours in the major subject may be used toward the 120 credit hours required for graduation. • At least 30 hours in the major subject must be completed with a grade of C or better (the major may require more).

Notes continued on next page(s).

University of Wyoming Sample Four-Year Degree Plan  
Catalog Year: 2019-20

## Botany, BS



Sequence	Course Prefix	Course Number	Course Title	Credit Hours	Min Grade	Notes
----------	---------------	---------------	--------------	--------------	-----------	-------

### Junior Fall Semester

			USP Communication 2	3	C	C2
	BOT	3600	Plant Diversity and Systematics	3		Can substitute BOT 4640 or BOT 4680
	MOLB	2021	General Microbiology	4	C	
	LIFE	3400	General Ecology	3		
			A&S Core Diversity in US	3		ASD
<b>Credit hours subtotal:</b>				<b>16</b>		

### Junior Spring Semester

			USP US & Wyoming Constitutions	3		V
			Elective	8		
	LIFE	3050	Genetics	4		
<b>Credit hours subtotal:</b>				<b>15</b>		

### Senior Fall Semester

			USP Communication 3	3	C	C3; recommend BOT 4100 (2cr) & BOT 4101 (1cr)
	MOLB	3610	Principles of Biochemistry	4		
	BOT	4700	Vegetation Ecology	4		
	LIFE	3410	Introduction to Field Ecology	2		
<b>Credit hours subtotal:</b>				<b>13</b>		

### Senior Spring Semester

			Upper Division BOT (Botany) Elective	4		Excluding BOT 4100 and BOT 4550
	BOT	4730	Plant Physiological Ecology	4		
			Upper Division Elective	7		
<b>Credit hours subtotal:</b>				<b>15</b>		

**TOTAL CREDIT HOURS 120**

#### Botany Program notes:

<sup>1</sup> LIFE 1010 requires Math ACT 23 or above or eligibility for concurrent enrollment in MATH 1400 or higher.

<sup>2</sup> See the "Prerequisite and MPE Cut Score Reference Chart" on the Math Placement website for the most up-to-date math placement equivalencies: <http://www.uwyo.edu/mathstats/math-placement/>.