

Botany, BS



University of Wyoming, 2017-18

Freshman Fall Semester			Hrs	Min	Grade	Notes
		USP First-Year Seminar	3		C	FY
CHEM	1020	General Chemistry I *	4		C	PN
LIFE	1010	General Biology **	4		C	
MATH	1400	College Algebra ***	3		C	Q
Credit hours subtotal:			14			

Freshman Spring Semester			Hrs	Min	Grade	Notes
		A&S Core Global Awareness	3			ASG
CHEM	1030	General Chemistry II	4			
ENGL	1010	College Composition and Rhetoric	3		C	C1
LIFE	2022	Animal Biology	4		C	
MATH	1405	Trigonometry	3			
Credit hours subtotal:			17			

Sophomore Fall Semester			Hrs	Min	Grade	Notes
		USP Human Culture	3			H
LIFE	2023	Biology of Plants and Fungi	4		C	
MATH	2200	Calculus I	4			Can substitute STAT 2050 (Fundamentals of Statistics) or STAT 2070 (Intro Statistics for Social Sciences).
PHYS	1110	General Physics I	4			PN
Credit hours subtotal:			15			

Sophomore Spring Semester			Hrs	Min	Grade	Notes
		USP Human Culture	3			H
BOT	3000	Plant Form and Function	4			
MOLB	2021	General Microbiology	4		C	
PHYS	1120	General Physics II	4			
Credit hours subtotal:			15			

This is a guide for course work in the major; actual course sequence may vary by student. Please refer to the online student degree evaluation, and consult with an academic advisor. • Not all courses are offered every semester and some electives may have prerequisites. Students should review the 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 the USP 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).

Botany Program Notes:

* Requires MATH ACT ≥ 23 , MATH SAT ≥ 600 , Math Placement Exam ≥ 3 , or concurrent enrollment in MATH 1400, 1405 or 1450. (University standard)

** Requires MATH ACT ≥ 21 , MATH SAT ≥ 600 , Math Placement Exam ≥ 2 , or $\geq C$ in MATH 0921. (University standard)

*** Requires MATH ACT ≥ 23 , MATH SAT ≥ 600 , Math Placement Exam ≥ 3 , or $\geq C$ in MATH 0925. (University standard)

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Junior Fall Semester			Hrs	Min Grade	Notes
USP Communication 2			3	C	C2
BOT	3600	Plant Diversity and Systematics	4		Can substitute BOT 4640 (Flora of the Rocky Mountains) or BOT 4680 (Taxonomy of Vascular Plants).
CHEM	2300	Introductory Organic Chemistry	4	C	Can substitute CHEM 2420 (Organic Chemistry I).
LIFE	3400	General Ecology	3		
LIFE	3410	Introduction to Field Ecology	2		
Credit hours subtotal:			16		

Junior Spring Semester			Hrs	Min Grade	Notes
A&S Core Diversity in the US			3		ASD
LIFE	3050	Genetics	4		
MOLB	3610	Principles of Biochemistry	4		
Elective			3		
Credit hours subtotal:			14		

Senior Fall Semester			Hrs	Min Grade	Notes
USP Communication 3			3	C	C3; strongly recommend BOT 4100 (Scientific Communication).
BOT	4700	Vegetation Ecology	4		
Upper Division Botany Elective			4		Excluding BOT 4100 (Scientific Communication) and BOT 4550 (Computational Biology).
Upper Division Elective			3		
Credit hours subtotal:			14		

Senior Spring Semester			Hrs	Min Grade	Notes
USP US & Wyoming Constitutions			3		V
BOT	4730	Plant Physiological Ecology	4		
Upper Division Elective			4		
Elective			4		
Credit hours subtotal:			15		

TOTAL CREDIT HOURS: 120