

Biology, BS



University of Wyoming, 2015-16

Freshman Fall Semester				Hrs	Min Grade	Notes
		USP First-Year Seminar		3	C	FY
CHEM	1020	General Chemistry I *		4	C	PN; can substitute CHEM 1000 (Introductory Chemistry) **.
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
COSC	1010	Introduction to Computer Science I ****		3		
ENGL	1010	College Composition and Rhetoric		3	C	C1
LIFE	2022	Animal Biology		4	C	
MATH	1405	Trigonometry		3		Can substitute MATH 1450 (Algebra and Trigonometry).
Credit hours subtotal:				16		

Sophomore Fall Semester				Hrs	Min Grade	Notes
LIFE	2023	Biology of Plants and Fungi		4	C	
MATH	2200	Calculus I		4		
MOLB	2021	General Microbiology		4		
PHYS	1110	General Physics I		4		PN
Credit hours subtotal:				16		

Sophomore Spring Semester				Hrs	Min Grade	Notes
		USP Human Culture		3		H
LIFE	3050	Genetics		4	C	
PHYS	1120	General Physics II		4		
STAT	2050	Fundamentals in Statistics		4		Can substitute STAT 2070 (Intro Statistics for the Social Sciences).
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).

Biology Program Notes:

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

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

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

**** Requires Math Placement Exam ≥ 4 , or $\geq C$ in MATH 1400, taken within one year prior to the start of the course. (University standard)

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Junior Fall Semester			Hrs	Min Grade	Notes
		USP Communication 2	3	C C2	
		USP US & Wyoming Constitutions	3	V	
CHEM	2300	Introductory Organic Chemistry	4	C	
LIFE	3400	General Ecology	4		
Credit hours subtotal:			14		

Junior Spring Semester			Hrs	Min Grade	Notes
		USP Human Culture	3	H	
		A&S Core Diversity in US	3	ASD	
LIFE	3500	Evolutionary Biology	4		
MOLB	3610	Principles of Biochemistry	4		
		Upper Division Elective	3		
Credit hours subtotal:			17		

Senior Fall Semester			Hrs	Min Grade	Notes
		USP Communication 3	3	C	C3; strongly recommend BOT 4100 (Scientific Communication).
LIFE	3600	Cell Biology	4		
		Upper Division Electives	6		
Credit hours subtotal:			13		

Senior Spring Semester			Hrs	Min Grade	Notes
		Upper Division Electives	12		
		Elective	3		
Credit hours subtotal:			15		

TOTAL CREDIT HOURS: 120