

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

Biology, 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
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Freshman Fall Semester

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

Freshman Spring Semester

			USP Human Culture	3		H
CHEM	1020		General Chemistry I	4	C	PN; can substitute CHEM 1000
LIFE	2022		Animal Biology	4	C	Can substitute LIFE 2023 or MICR/MOLB 2021
MATH	1405		Trigonometry	3	C	Can substitute MATH 1450
Credit hours subtotal:				14		

Sophomore Fall Semester

COSC	1010		Introduction to Computer Science I	3		
LIFE	2023		Biology of Plants and Fungi	4	C	Can substitute LIFE 2022 or MICR/MOLB 2021
LIFE	2100		Introduction to Research and Analysis	4		Can substitute STAT 2050
PHYS	1110		General Physics I	4		PN
Credit hours subtotal:				15		

Sophomore Spring Semester

			USP Human Culture	3		H
LIFE	3050		Genetics	4	C	
PHYS	1120		General Physics II	4		
MATH	2200		Calculus I	4		
Credit hours subtotal:				15		

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).

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Junior Fall Semester

			USP Communication 2	3	C	C2
			USP US & Wyoming Constitutions	3		V
	LIFE	3400	General Ecology	3		
	LIFE	3500	Evolutionary Biology	3		
			A&S Core Diversity in US	3		ASD
Credit hours subtotal:				15		

Junior Spring Semester

	LIFE	3600	Cell Biology	4		
	CHEM	2300	Introductory Organic Chemistry	4	C	
			Upper Division Electives	7		
Credit hours subtotal:				15		

Senior Fall Semester

			USP Communication 3	3	C	C3; recommend BOT 4100 (2cr) & BOT 4101(1cr)
	MOLB	3610	Principles of Biochemistry	4		
			Upper Division Electives	8		
Credit hours subtotal:				15		

Senior Spring Semester

			Upper Division Electives	15		
Credit hours subtotal:				15		

TOTAL CREDIT HOURS 120

Biology Program notes:

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

² 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/>

Biology majors can earn a concentration in Ecology and Evolution. See requirements in the UW catalog or at <http://www.uwyo.edu/biology/>