

# Biology, 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; can substitute CHEM 1000 (Introductory Chemistry) **.	
LIFE	1010	General Biology ***	4	C		
MATH	1400	College Algebra **	3	C	Q	
Credit hours subtotal:				<b>14</b>		

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:				<b>16</b>		

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			
PHYS	1110	General Physics I	4		PN	
Credit hours subtotal:				<b>15</b>		

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:				<b>15</b>		

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  $\geq 23$ , MATH SAT  $\geq 600$ , or Math Placement Exam  $\geq 3$ , or concurrent enrollment in MATH 1400, 1405 or 1450. (University standard)

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

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

\*\*\*\* Requires Math Placement Exam  $\geq 4$  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	3		
Credit hours subtotal:			<b>13</b>		

Junior Spring Semester			Hrs	Min Grade	Notes
		A&S Core Diversity in US	3		ASD
LIFE	3500	Evolutionary Biology	3		
MOLB	3610	Principles of Biochemistry	4		
		Upper Division Electives	6		
Credit hours subtotal:			<b>16</b>		

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	8		
Credit hours subtotal:			<b>15</b>		

Senior Spring Semester			Hrs	Min Grade	Notes
		Upper Division Electives	12		
		Elective	4		
Credit hours subtotal:			<b>16</b>		

**TOTAL CREDIT HOURS: 120**