

Zoology, BS



University of Wyoming, 2016-17

Freshman Fall Semester			Hrs	Min Grade	Notes
		USP First-Year Seminar	3	C	FY; can substitute USP Communication I requirement.
CHEM	1020	General Chemistry I *	4	C	PN
LIFE	1010	General Biology **	4	C	PN
MATH	1400	College Algebra ***	3	C	Q; can substitute MATH 1450 (Algebra and Trigonometry) *** for MATH 1400 <u>and</u> MATH 1405.
Credit hours subtotal:			14		

Freshman Spring Semester			Hrs	Min Grade	Notes
		USP Communication I	3	C	C1; can substitute USP First-Year Seminar requirement.
CHEM	1030	General Chemistry II	4		
LIFE	2022	Animal Biology	4	C	
MATH	1405	Trigonometry	3	C	Can substitute MATH 1450 (Algebra and Trigonometry) *** for MATH 1400 <u>and</u> MATH 1405
Credit hours subtotal:			14		

Sophomore Fall Semester			Hrs	Min Grade	Notes
		USP Human Culture ****	3		H
		USP US & Wyoming Constitutions	3		V
LIFE	3400	General Ecology	3	C	
MATH	2200	Calculus I	4	C	A section aimed at biologists is recommended.
PHYS	1110	General Physics I	4		Can substitute PHYS 1310 (College Physics I).
Credit hours subtotal:			17		

Sophomore Spring Semester			Hrs	Min Grade	Notes
		USP Communication 2	3	C	C2
		USP Human Culture ****	3		H
PHYS	1120	General Physics II	4		Can substitute PHYS 1320 (College Physics II).
STAT	2050	Fundamentals of Statistics	4		Can substitute STAT 2070 (Intro Statistics for the Social Sciences).
Credit hours subtotal:			14		

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).

Zoology Program Notes:

* Requires MATH ACT \geq 23, MATH SAT \geq 600, Math Placement Exam \geq 3, or concurrent enrollment in MATH 1400, 1405 or 1450. (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 ACT \geq 23, MATH SAT \geq 600, Math Placement Exam \geq 3, or \geq C in MATH 0925. (University standard)

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Junior Fall Semester			Hrs	Min Grade	Notes
LIFE	3050	Genetics	4	C	
		Chemistry Elective	4		Cannot be CHEM 1000; recommend CHEM 2300 (Introduction to Organic Chemistry).
		Advanced Zoology Elective *****	3	C	
		Elective	3		
Credit hours subtotal:			14		

Junior Spring Semester			Hrs	Min Grade	Notes
		A&S Core Diversity in the US	3		ASD; can substitute A&S Core Global Awareness requirement.
		Upper Division Zoology Electives	6	C	
		Upper Division Electives	6		
Credit hours subtotal:			15		

Senior Fall Semester			Hrs	Min Grade	Notes
		A&S Core Global Awareness	3		ASG; can substitute A&S Core Diversity in the US requirement.
LIFE	3500	Evolutionary Biology	4	C	
		Upper Division Zoology Electives	6	C	
		Upper Division Elective	3		
Credit hours subtotal:			16		

Senior Spring Semester			Hrs	Min Grade	Notes
ZOO	4100	Scientific Communication	3	C	C3
		Upper Division Zoology Electives	6	C	
		Electives	7		
Credit hours subtotal:			16		

TOTAL CREDIT HOURS: 120

Zoology Program Notes con't:

**** Students are strongly encouraged to enroll in Human Culture requirement courses that correspond to the College of Arts & Sciences Core required US Diversity (ASD) and Global Awareness (ASG) electives or else they will have to take separate ASD and ASG courses. A list of ASD & ASG courses that transfer is available.

***** **Advanced Zoology Elective.** Students must select a course from the following list:

- ZOO 4330 Ichthyology (3 hrs.)
- ZOO 4350 Ornithology (3 hrs.)
- ZOO 4370 Mammalogy (3 hrs.)
- ZOO 4380 Herpetology (3 hrs.)
- ZOO 4540 Invertebrate Zoology (4 hrs.)