

Biology, AS

(Leading to UW Zoology, BS)



Casper College

FRESHMAN YEAR

Fall Semester				Hrs	Spring Semester				Hrs
		Physical Education Requirement		1	BIOL	2022	Animal Biology ¹		4
BIOL	1010	General Biology ¹ (preferred)		4	CHEM	1035	General Chemistry II		3
		OR			CHEM	1038	General Chemistry II Lab		1
BIOL	1000	Introduction to Biology ¹ (4 hrs)			ENGL	1020	English II: Composition		3
CHEM	1025	General Chemistry		3	MATH	1405	Trigonometry ¹		3
CHEM	1028	General Chemistry Lab		1			Biological Sciences Elective		3
ENGL	1010	English I: Composition		3					
MATH	1400	Pre-Calculus Algebra ¹		4					
		TOTAL		<u>16</u>			TOTAL		<u>17</u>

SOPHOMORE YEAR

Fall Semester				Hrs	Spring Semester				Hrs
		Cultural Environment Requirement ²		3			Human Behavior Requirement ²		3
BIOL	2023	Plant and Fungal Biology		4	MOLB	2210	General Microbiology		4
PHYS	1110	General Physics I		4	PHYS	1120	General Physics II		4
POLS	1000	American and Wyoming Government		3			Biological Sciences Elective		3
		Biological Sciences Elective		3					
		TOTAL		<u>17</u>			TOTAL		<u>14</u>
TOTAL CASPER AA DEGREE HOURS									<u>64</u>

Successful completion of the 2+2 plan requires that a student remain continuously enrolled and graduate with the associate's degree from his or her respective community college. • 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. • Not all courses are offered every semester and some electives may have prerequisites. Students should review the course descriptions in the catalogs of their respective institutions and consult with their academic advisor to plan accordingly. • Academic plans and course schedules may need to be altered if ACT or Math Placement scores require a student to take pre-college courses (e.g., MATH 0900, 0921, or 0925) before taking required math or English courses.

Casper College requirements:

In order to graduate, students must successfully complete a minimum of 60 approved credit hours, with 15 of the last 30 semester hours completed as a degree-seeking student at Casper College, and with a grade point average of 2.0 or higher in those courses counted toward graduation. • Students must earn at least 24 of the semester credits applied toward graduation through the completion of Casper College coursework, including at least six (6) hours with the desired major. • Only courses numbered 1000 or above can be used toward the degree.

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.

Zoology, BS



University of Wyoming

JUNIOR YEAR

Fall Semester			Hrs	Spring Semester			Hrs
CHEM	2300	Introduction to Organic Chemistry	4	A&S ASD or ASG Requirement ^d			3
OR				STAT	2050	Fundamentals in Statistics	4
CHEM	2320	Organic Chemistry I (4 hrs)		Upper Division Zoology Electives ^b			6
LIFE	3050	Genetics ^a	4	Upper Division Elective ^b			3
MATH	2200	Calculus I ^a	4				
		Required Zoology Elective ^{b,c}	3				
TOTAL			<u>15</u>	TOTAL			<u>16</u>

SENIOR YEAR

Fall Semester			Hrs	Spring Semester			Hrs
		A&S ASD or ASG Requirement ^d	3	ZOO	4100	Scientific Communication ^a	C3 3
LIFE	3400	General Ecology	3	Upper Division Physiology Electives ^b			6
LIFE	3500	Evolutionary Biology ^b	4	Upper Division Elective ^b			4
		Upper Division Zoology Electives ^b	6				
TOTAL			<u>16</u>	TOTAL			<u>13</u>
						TOTAL UW HOURS	<u>60</u>
						TOTAL UW BA DEGREE HOURS	<u>124</u>

UW 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).

Casper College Biology Program Notes:

- A minimum grade of C is required for BIOL 1010 (General Biology), BIOL 2022 (Animal Biology), MATH 1400 (Pre-Calculus Algebra), and MATH 1405 (Trigonometry).
- Students are **strongly** encouraged to take *Human Behavior/Cultural Environment* electives at Casper College that correspond to the UW College of Arts & Sciences *Diversity in the US (ASD)* and *Global Awareness (ASG)* electives or else they will have to fulfill ASD & ASG requirements at UW. A list of ASD and ASG courses that transfer is available at wyosb.uwyo.edu/bnrprod/bwckytfc.p_display_transfer_catalog. Courses with a USP attribute of either U3D or U3G meet the ASD and ASG, respectively. One suggested course is ANTH 1200 (Introduction to Cultural Anthropology), which meets the ASG requirement.

UW Zoology Program Notes:

- A grade of C is required in this course.
- A minimum of 30 credit hours must be at a grade of C or better for these courses.
- Required Zoology Elective.** Students are required to 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), or ZOO 4540 (Invertebrate Zoology - 4 hrs).
- Please see note #2 for Casper College. If the ASD and ASG requirements have been met, these become elective credits.