

AS Biology and BS Physiology

Casper College

FRESHMAN

Fall Semester			Hrs	Spring Semester			Hrs	
Dept	#	Course Title	#	Dept	#	Course Title	#	
BIOL	1010	General Biology ²	4	BIOL	2022	Animal Biology ²	4	
CHEM	1025	General Chemistry	3	CHEM	1035	General Chemistry II	3	
CHEM	1028	General Chemistry Lab	1	CHEM	1038	General Chemistry II Lab	1	
MATH	1400	Pre-Calculus Algebra ²	4	MATH	1405	Trigonometry ²	3	
ENGL	1010	English I	3	ENGL	1020	English II	3	
PEAC		Physical Education	1			Biological Sciences Elective	3	
			TOTAL	16			TOT	17

TOTAL 16

TOT 17



**Casper
College**

SOPHOMORE

Fall Semester			Hrs	Spring Semester			Hrs	
Dept	#	Course Title	#	Dept	#	Course Title	#	
BIOL	2023	Plant/Fungal Biology	4	MOLB	2210	General Microbiology	4	
PHYS	1110	General Physics I	4	PHYS	1120	General Physics II	4	
POLS	1000	Constitutions	3			Human Behavior ¹	3	
		Cultural Environment ¹	3			Biological Sciences Elective	3	
		Biological Sciences Elective	3					
			TOTAL	17			TOTAL	14

Total Degree Hours **64**

Transfer Recommendations and Notes:

- Students are **strongly** encouraged to take *Human Behavior/Cultural Environment* Electives that correspond to the College of Arts & Sciences *Diversity (D)* and *Global Studies (G)* electives or else they will have to take D & Gs at UW. A list of D & G courses that transfer is available here (https://wyosb.uwyo.edu/bnrprod/bwckytfc.p_display_transfer_catalog). Courses that are either U3D or U3G meet the ASD and ASG, respectively. One suggested course is ANTH1200 Intro to Cultural Anthropology, which meets the ASG requirement
- A minimum grade of C is required for BIOL1010, BIOL2022, MATH1400, MATH1405.

AS Biology and BS Physiology

University of Wyoming

JUNIOR

Fall Semester			Hrs	Spring Semester			Hrs
Dept	#	Course Title	#	Dept	#	Course Title	#
MATH	2200	Calculus I ³	4	STAT	2050	Fundamentals in Statistics	4
LIFE	3050	Genetics ^{3,5}	4			4 th Chemistry Course ²	4
ZOO	3115	Human Systems Physiology ^{5,6}	4			Upper Division Physiology Elective ²	3
CHEM	2420	Organic Chemistry I	4			Upper Division Physiology Elective ²	3
			TOTAL				TOTAL
			16				14



SENIOR

Fall Semester			Hrs	Spring Semester			Hrs
Dept	#	Course Title	#	Dept	#	Course Title	#
ZOO	4125	Integrative Physiology ²	4	ZOO	4100	Communication in Biological Sciences ⁵	3
		Upper Division Physiology Elective ²	3			Upper Division Physiology Elective ²	3
		Upper Division Physiology Elective ²	3			Upper Division Physiology Elective ²	3
		Upper Division Elective ⁴	3			Upper Division Elective ⁴	2
		ASD or ASG (A&S Core) ¹	3			ASD or ASG (A&S Core) ¹	3
			TOTAL				TOTAL
			16				14

Total Degree Hours 124
Upper Division Hours 42

Transfer Recommendations and Notes:

1. Time has been allocated for the ASD & ASGs
2. A minimum of 30h must be at C or better for these courses.
3. A C is required
4. These Upper Division electives do not need to be in the major. May be Internship- or Research-related
5. Students with an Associates degree will be guaranteed a place in these courses in their Junior Fall semester. *Please contact the UW physiology advisor as early as possible to arrange this.*
6. **Physiology Electives (18h):** ZOO 3010 Vertebrate Anatomy, Embryology & Histology (4), ZOO 3021 Physiology of Exercise (3), ZOO 3600 Principles of Animal Behavior (3), ZOO 4110 HIV/AIDS (3), ZOO 4190 Comparative Environmental Physiology (4), ZOO 4280 Introduction to Neuroscience (3), ZOO 4340 Developmental Biology & Embryology (4), ZOO 4670 Cell Physiology (4), ZOO 4735 Advanced Topics in Physiology (2+), NEUR 5100 Structure & Function of the Nervous System (4), NEUR 5685 Neurophysiology (3), NEUR 5887 Molecular Neuropharmacology (3), LIFE 3600 Cell Biology (4), MOLB 3000 Introduction to Molecular Biology (3) MOLB 3610 Principles of Biochemistry (4), MOLB 4100 Clinical Biochemistry (3), MOLB 4400 Immunology (4), PSYC 4080 Physiological Psychology (4), PHCY 4450 Pathophysiology (4), ANSC 4120 Principles of Mammal Reproduction (3), SOC 3550 Medical Sociology (3), ANTH 4210 Human Osteology (3), ANTH 4230 Forensic Anthropology (3), PATB 4130 Mammalian Pathobiology (3), PATB 4140 Principles of Toxicology (3), PATB 4710 Medical Virology (3)