



**B.S. Physiology
2020-2021 Catalog**

University of Wyoming		cr	Min Grade	Notes
USP - University Studies Program Requirements				
USP: First Year Seminar	3	C		FYS
USP: Communications I	3	C		C1
USP: Communications II	3	C		C2
USP: Communications III (ZOO 4100 & 4101 built into major)				C3
USP: US & Wyoming Constitutions	3			V
USP: Human Culture	3			H
USP: Quantitative (MATH 1400 built into the major)				Q
USP: Physical & Natural World (CHEM 1020 & 1030 built into major)				PN
Credit hours subtotal:				18
Foundation Courses				
Complete both: MATH 1400 College Algebra MATH 1405 Trigonometry	3 3			Q MATH 1450 (5 credits) may be substituted for MATH 1400 & MATH 1405
MATH 2200 Calculus I	4			
STAT 2050 Fundamentals of Statistics	4			
Complete both: CHEM 1020 General Chemistry I CHEM 1030 General Chemistry II	4 4			PN PN
CHEM 2230 Quantitative Analysis	3-4			
Complete both: PHYS 1110 General Physics I PHYS 1120 General Physics II	4 4			
LIFE 1010 General Biology	4			
LIFE 3050 Genetics	4			
LIFE 2022 Animal Biology	4			
Credit hours subtotal:				45-46
Physiology Core Required Courses				
ZOO 3115 Human Systems Physiology	4			
ZOO 4125 Integrative Physiology	5			
ZOO 4101 Scientific Communication Lab	1			C3
Credit hours subtotal:				12
Physiology Core Electives (18 credits)				
A minimum of 10 of the 18 Physiology Core Elective credits must be exclusive to the PHSO major.				
ANSC 4120 Principles of Mammalian Reproduction	3			
ANSC 4260 Mammalian Endocrinology	3			

ANTH 4210 Human Osteology	3	
ANTH 4230 Forensic Anthropology	3	
KIN 3021 Physiology of Exercise	3	
KIN 3038 Exercise Psychology	3	
KIN 3042 Biomechanics of Human Movement	3	
KIN 4042 Applied Biomechanics	3	
LIFE 3600 Cell Biology	4	
MOLB 3610 Principles of Biochemistry	4	
MOLB 4100 Clinical Biochemistry	4	
MOLB 4400 Immunology	4	
MOLB 4670 Advanced Molecular Cell Biology	3	
NEUR 4295 Neurodevelopment	3	
NEUR 5100 Structure & Function of the Nervous System	4	
NEUR 5295 Neurodevelopment	3	
NEUR 5685 Neurophysiology	3	
NEUR 5887 Molecular Neuropharmacology	3	
PATB 4130 Mammalian Pathobiology	3	
PATB 4140 Principles of Toxicology	3	
PATB 4400 Immunology	4	
PATB 4710 Medical Virology	3	
PHCY 3450 Foundational Pathophysiology	4	
PSYC 3250 Health Psychology	3	
PSYC 4040 Cognitive Neuroscience	4	
PSYC 4080 Physiological Psychology	4	
PSYC 4250 Psychological Aspects of Chronic Illness	3	
SOC 3550 Medical Sociology	3	
SOC 4160 Sociology of Aging	3	
ZOO 3010 Vertebrate Anatomy, Embryology, and Histology	4	
ZOO 4110 HIV/AIDS: The Disease and the Dilemma	3	
ZOO 4280 Introduction to Neuroscience	3	
ZOO 4340 Developmental Biology and Embryology	4	
ZOO 4735 Advanced Topics in Physiology	1-4	(Maximum 12)
ZOO 5100 Structure & Function of the Nervous System	4	
ZOO 5685 Neurophysiology	3	
SPPA 3265 Anatomy and Physiology of Speech, Swallowing and Hearing	3	
CHEM 3550 Physical Chemistry for the Life Sciences	3	Cannot be used towards PHSO electives if used as a CHEM requirement in the Foundational Courses.
Credit hours subtotal:		18

Elective Courses		
Elective	21	Electives should work to fulfill upper division requirement.
A&S Core Diversity in the US	3	ASD
A&S Core Global Awareness	3	ASG
Credit hours subtotal:		27

B.S. Physiology Program Notes:

- A minimum of 120 hours is required. A minimum of 42 hours must be upper division (3000 & 4000 level).
- Math, Science & CM Electives must be selected with advisor's approval from Department list. General Electives cannot meet any other requirement for the major. Electives should be selected to satisfy the 42 hour upper division requirement.
- Degree Candidates must meet the academic requirements of the university, and must have a minimum GPA of 2.0 in all courses required for the major. • Grades of C or better are required for all prerequisite courses.
- Students may not take a course for S/U credit to satisfy any requirement, unless the course is offered for S/U credit only.

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 single 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 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 (individual majors may require more).

The University of Wyoming Office of the Registrar provides final approval of degree completion requirements prior to the awarding of any degree.