

Physiology, 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 1	3		C	C1; can substitute USP First-Year Seminar requirement.
CHEM	1030	General Chemistry II	4			
MATH	1405	Trigonometry	3		C	Can substitute MATH 1450 (Algebra & Trigonometry) *** for MATH 1400 <u>and</u> MATH 1405.
MOLB	2021	General Microbiology	4		C	Can substitute LIFE 2022 (Animal Biology).
Credit hours subtotal:			14			

Sophomore Fall Semester			Hrs	Min	Grade	Notes
		USP Communication 2	3		C	C2
CHEM	2420	Organic Chemistry I	4		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:			15			

Sophomore Spring Semester			Hrs	Min	Grade	Notes
PHYS	1120	General Physics II	4		C	Can substitute PHYS 1320 (College Physics II).
STAT	2050	Fundamentals of Statistics	4			Can substitute MATH 2205 (Calculus II) or STAT 2070 (Intro Statistics for the Social Sciences).
ZOO	3115	Human Systems Physiology	4		C	
		Chemistry elective	4		C	Recommend CHEM 2440 (Organic Chemistry II).
Credit hours subtotal:			16			

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).

Physiology Program Notes:

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

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

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Junior Fall Semester				Hrs	Min Grade	Notes
USP Human Culture				3		H; recommend PSYC 1000 (Introduction to Psychology).
USP US & Wyoming Constitutions				3		V
LIFE	3050	Genetics		4	C	
ZOO	4125	Integrative Physiology		4	C	
Credit hours subtotal:				14		

Junior Spring Semester				Hrs	Min Grade	Notes
USP Human Culture ****				3		H
A&S Core Diversity in the US				3		ASD; can substitute A&S Core Global Awareness requirement.
Upper Division Physiology Electives				6	C	
Elective				4		
Credit hours subtotal:				16		

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

Senior Spring Semester				Hrs	Min Grade	Notes
ZOO	4100	Scientific Communication		3	C	C3
Upper Division Physiology Electives				6	C	
Upper Division Electives				6		
Credit hours subtotal:				15		

TOTAL CREDIT HOURS: 120

Physiology Program Notes con't:

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

**** 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 (G) electives or else they will have to take separate ASD and ASG courses. A list of ASD & ASG courses that correspond is available.