

# Physiology, BS



## University of Wyoming, 2015-16

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:			<b>14</b>		

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:			<b>14</b>		

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:			<b>15</b>		

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:			<b>16</b>		

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  $\geq 23$ , MATH SAT  $\geq 600$ , or 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)

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## University of Wyoming, 2015-16

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:			<b>14</b>		

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:			<b>16</b>		

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:			<b>16</b>		

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:			<b>15</b>		

**TOTAL CREDIT HOURS: 120**

### Zoology Program Notes con't:

\*\*\* Requires MATH ACT  $\geq 23$ , MATH SAT  $\geq 600$ , Math Placement Exam  $\geq 3$  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.