

Natural Sciences, Associates of Science

Laramie County Community College

FRESHMAN

Fall Semester			Hrs	Spring Semester			Hrs
Dept	#	Course Title	#	Dept	#	Course Title	#
BIOL	1010	General Biology ³	4	BIOL	2022	Animal Biology ³	4
CHEM	1020	General Chemistry I ³	4	CHEM	1030	General Chemistry II	4
MATH	1400	College Algebra ³ or	3	MATH	1405	Pre-Calculus Trigonometry ³	3
MATH	1401	Pre-Calculus Algebra ³		ENGL	1010	English I: Composition	3
COLS	1000	College Success	3				
TOTAL			<u>14</u>	TOTAL			<u>14</u>



SOPHOMORE

Fall Semester			Hrs	Spring Semester			Hrs
Dept	#	Course Title	#	Dept	#	Course Title	#
MICRO	2240	Medical Microbiology	4	STAT	2050	Fundamentals of Statistics	4
MATH	2200	Calculus I ⁴	4	PHYS	1120	General Physics II OR	
PHYS	1110	General Physics I OR		CHEM	2340	Organic Chemistry II AND	4
CHEM	2320	Organic Chemistry I AND	4	CHEM	2345	Organic Chemistry II Laboratory	
CHEM	2325	Organic Chemistry I Laboratory				Aesthetic Analysis (Humanities) ¹	3
CO/M	1010	Public Speaking	3			Wyoming State Requirement ²	3
		Cultural Awareness (Social Sciences) ¹	3				
TOTAL			<u>18</u>	TOTAL			<u>14</u>
Total Degree Hours						<u>60</u>	

Transfer Recommendations and Notes:

1. Students are strongly encouraged to take a *Cultural Awareness* or *Aesthetic Analysis* course that corresponds 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://wyossb.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.
2. Courses that meet the *Wyoming State Requirement* include: U.S. to 1865 (HIST1211), U.S. from 1865 (HIST1221) Wyoming History (HIST1251), Economics, Law & Government (ECON1200), or American & Wyoming Government (POLS1000). Wyoming Government (POLS1100) will also meet *Wyoming State Requirement* but 2 additional credits will be needed to meet total degree credits.
3. A minimum grade of C is required for BIOL1010, BIOL2022, CHEM1020, MATH1400, MATH1405
4. This course is part of the "*minimum of 30h at C or better list*" for the whole BS degree (see below)

Physiology, Bachelors of Science

University of Wyoming

JUNIOR

Fall Semester			Hrs	Spring Semester			Hrs
Dept #	Course Title	#		Dept #	Course Title	#	
ZOO 3115	Human Systems Physiology ³	4		4th Chemistry Course² <i>OR</i>			4
LIFE 3050	Genetics ²	4		PHYS 1120	General Physics II		
CHEM 2420	Organic Chemistry I ² <i>OR</i>	4			Upper Division Physiology Elective ^{2,5}	3	
PHYS 1110	General Physics I				Upper Division Physiology Elective ^{2,5}	3	
	ASD or ASG (A&S Core) ¹	3			Upper Division Elective ⁴	3	
					Upper Division Elective ⁴	3	
TOTAL			<u>15</u>	TOTAL			<u>16</u>



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 ³	3	
	Upper Division Physiology Elective ^{2,5}	3			Upper Division Physiology Elective ^{2,5}	3	
	Upper Division Physiology Elective ^{2,5}	3			Upper Division Physiology Elective ^{2,5}	3	
	Upper Division Elective ⁴	3			Upper or Lower Division Elective ⁴	4	
	ASD or ASG (A&S Core) ¹	3					
TOTAL			<u>16</u>	TOTAL			<u>13</u>
						Total Degree Hours	<u>120</u>
						Upper Division Hours	<u>42</u>

Transfer Recommendations and Notes:

1. Time has been allocated for the D&Gs
2. A minimum of 30h in these electives must be C or better. *(Includes Calculus I from LCCC)*
3. A minimum grade of a C required in these courses
4. These Upper Division electives may be physiology-related but they are not required to be. May be Internship- or Research-related

5. **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)