

Natural Science - Biology, AS

Laramie County Community College

FRESHMAN

Fall Semester			Hrs	Spring Semester			Hrs
BIOL	1010	General Biology	4	BIOL	2022	Animal Biology	4
CHEM	1020	General Chemistry I	4	CHEM	1030	General Chemistry II	4
COLS	1000	Introduction to College Success	3	MATH	1405	Pre-Calculus Trigonometry	3
MATH	1400	College Algebra		ENGL	1010	English I	3
	OR		3				
MATH	1401	Pre-Calculus Algebra					
TOTAL			<u>14</u>	TOTAL			<u>14</u>



SOPHOMORE

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

Transfer Recommendations and Notes:

Students are strongly encouraged to take a General Education Electives 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.

Courses that meet the Wyoming State Requirement include: U.S. to 1865 (HIST 1211), U.S. from 1865 (HIST 1221) Wyoming History (HIST 1251), Economics, Law & Government (ECON 1200)

A minimum grade of C is required for BIOL 1010, BIOL 2022, MATH 1400, MATH 1405

Students not taking Physics I & II at LCCC will have to take both at UW. Only 3 semesters of Chemistry are required in Zoology

Physiology, BS

University of Wyoming

JUNIOR

Fall Semester		Hrs	Spring Semester		Hrs
ZOO	3115	Human Systems Physiology	4	4th Chemistry Course	
LIFE	3050	Genetics	4	<i>OR</i>	4
CHEM	2420	Organic Chemistry		PHYS 1120	General Physics II
	<i>OR</i>		4		Upper Division Physiology Elective*
PHYS	1110	General Physics I			Upper Division Physiology Elective*
		A&S Core Diversity in U.S., ASD	3		Upper Division Elective
					Upper Division Elective
			TOTAL	15	TOTAL
					16



SENIOR

Fall Semester		Hrs	Spring Semester		Hrs
ZOO	4125	Integrative Physiology	4	ZOO 4100	Communication in Biological Sciences
		Upper Division Physiology Elective*	3		Upper Division Physiology Elective*
		Upper Division Physiology Elective*	3		Upper Division Physiology Elective*
		Upper Division Elective	3		Elective
		A&S Core Global Awareness, ASG	3		
			TOTAL	16	TOTAL
					13
					TOTAL DEGREE HOURS
					120

Transfer Recommendations and Notes:

*Physiology Electives: ZOO 3010 Vertebrate Anatomy; ZOO 3021 Physiology of Exercise; ZOO 3600 Principles of Animal Behavior; ZOO 4110 HIV/AIDS; ZOO 4190 Comparative Environmental Phys; ZOO 4280 Intro Neuroscience; ZOO 4340 Developmental Biology & Embryology; ZOO 4670 Cell Physiology; ZOO 4735 Advanced Topics in Phys; NEUR 5100 Structure & Function Nervous System; NEUR 5685 Neurophysiology; NEUR 5887 Molecular Neuropharmacology; LIFE 3600 Cell Biology; MOLB 3000 Intro Molecular Biology; MOLB 3610 Principles of Biochemistry; MOLB 4100 Clinical Biochemistry; MOLB 4400 Immunology; PSYC 4080 Physiological Psychology; PHCY 4450 Pathophysiology; ANSC 4120 Principles of Mammal Reproduction; SOC 3550 Medical Sociology; ANTH 4210 Human Osteology; ANTH 4230 Forensic Anthropology; PATB 4130 Mammalian Pathobiology; PATB 4140 Principles of Toxicology; PATB 4710 Medical Virology

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. • 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 include: Students must have a minimum cumulative GPA of 2.0 to graduate. • Students must complete 42 hours of upper division 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.