

AS Biology (Track I) and BS Physiology

Northern Wyoming Community College District

FRESHMAN

Fall Semester				Hrs	Spring Semester				Hrs	
Dept	#	Course Title	#	Dept	#	Course Title	#			
BIOL	1010	General Biology ³	4	BIOL	2020	General Biology II ³ OR	4			
MATH	1400	Algebra ³	4	BIOL	2022	Animal Biology ³				
ENGL	1010	English I	3	STAT	2050	Fundamentals of Statistics OR	4			
		Cultural Studies Requirement ¹	3	MATH	2200	Calculus I ⁴				
ANTH	1200	Intro Cultural Anthropology ²		AW	0000	Advanced Writing	3			
				WL	0000	Health and Wellness	2			
						Cultural Studies Requirement ¹	3			
TOTAL				14					TOTAL	16

SOPHOMORE

Fall Semester				Hrs	Spring Semester				Hrs	
Dept	#	Course Title	#	Dept	#	Course Title	#			
CHEM	1020	General Chemistry ³	4	CHEM	1030	General Chemistry II	4			
MOLB	2210	General Microbiology	4	PHYS	1120	General Physics II	4			
PHYS	1110	General Physics I	4	CO/M	1010	Public Speaking	3			
		Program/General Elective	4	CNST	0000	Constitutional Requirement	3			
TOTAL				16					TOTAL	14
								Total Degree Hours	60	

1. Students are **strongly** encouraged to take *Cultural Studies Requirements* that correspond to the College of Arts & Sciences *Diversity (ASD)* and *Global Studies (ASG)* electives or else they will have to take ASD & ASGs at UW. A list of D & G courses that transfer is available here (https://wyossb.uwyo.edu/bnrprod/bwcktyfc.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. Students are advised to take ANTH1200 as one of the *Cultural Studies Requirements* to meet the A&S **ASG** requirement

3. A minimum grade of C is required for BIOL1010, BIOL2020/2, CHEM1020, MATH1400

4. This course is part of the "*minimum of 30h at C or better list*" for the whole BS degree (see below)

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University of Wyoming

JUNIOR

Fall Semester			Hrs	Spring Semester			Hrs
Dept	#	Course Title	#	Dept	#	Course Title	#
MATH	1405	Trigonometry ³	3	LIFE	3050	Genetics ³	4
ZOO	3115	Human Systems Physiology ³	4	STAT	2050	Fundamentals of Statistics OR	4
CHEM	2420	Organic Chemistry I ²	4	MATH	2200	Calculus I ²	4
		Upper Level Course	4	CHEM		4th Chemistry course ²	4
						ASD or ASG (A&S Core) ¹	3
TOTAL			<u>15</u>	TOTAL			<u>15</u>



SENIOR

Fall Semester			Hrs	Spring Semester			Hrs
Dept	#	Course Title	#	Dept	#	Course Title	#
LIFE	4125	Integrative Physiology ²	4	ZOO	4100	Communication in Biological Sciences ³	3
		Upper Division Physiology Elective ^{2,4}	3			Upper Division Physiology Elective ^{2,4}	4
		Upper Division Physiology Elective ^{2,4}	3			Upper Division Physiology Elective ^{2,4}	3
		Upper Division Physiology Elective ^{2,4}	3			Upper Division Physiology Elective ^{2,4}	3
		Upper Level Course	4				
TOTAL			<u>17</u>	TOTAL			<u>13</u>

Total Degree Hours **120**
Upper Division Hours **42**

Transfer Recommendations and Notes:

1. Time has been allocated for one of the two D&Gs. If the G or D is not met at NWCC then an additional 3h is required
2. A minimum of 30h must be at C or better for these courses.
3. A C is required

4. **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)