

AS Biology (Natural Resource Biology: Track 1) and BS Physiology

Northwest College

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	4
CHEM	1020	General Chemistry I	4	CHEM	1030	General Chemistry II	4
MATH	1400	College Algebra ^{3,4} OR	4	ENGL	1020	English II ⁵ /Tech Writing	3
MATH	1450	Precalc Algebra & Trig	(5) ³			Core Elective ⁷	4
ENGL	1010	English I	3			General Education Requirement ¹	3
		Freshman Seminar	3				
			TOTAL				18
							TOTAL
							18



SOPHOMORE

Fall Semester			Hrs	Spring Semester			Hrs
Dept	#	Course Title	#	Dept	#	Course Title	#
PHYS	1110	General Physics I OR	4	STAT	2050	Fundamentals of Statistics	4
CHEM	2320	Organic Chemistry I		BIOL	2385	Research Life & Physical Sciences ⁶ OR	(3) ⁴
		Wellness	2			2395 Biological Research	1
		General Education Requirement ¹	3	PHYS	1110	General Physics I OR	
ANTH	1200	Intro Cultural Anthropology ²		CHEM	2320	Organic Chemistry I OR	4
		Core Elective ⁷	4	PHYS	1120	General Physics II OR	
				CHEM	2340	Organic Chemistry II	
				POLS	1000	American & WY Government OR	3
				HIST	1221	The United States from 1865	
						General Education Requirement ¹	3
			TOTAL				13
							TOTAL
							15
							Total Degree Hours
							64

Transfer Recommendations and Notes:

- Students are strongly encouraged to take at least one *General Education Requirement* (Humanities/Visual and Performing Arts/Social Science) course that corresponds 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://wyosb.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.
- Students are advised to take ANTH1200 as one of the *General Education Requirements* to meet the A&S **ASG** requirement
- A minimum grade of C is required for BIOL1010, BIOL2020, MATH1400/1450
- If students take MATH1450 at NWC then they will not need to take MATH1405 Trigonometry at UW
- If students take ENGL 1020 at NWC then they must also take CO/M 1010 Public Speaking to count as COM2 at UW
- If students opt for BIOL2385, overall hours for the Associates will increase by 2h
- Core Electives include: MOLB2210 General Microbiology, PSYC 1000 - General Psychology, ZOO 2010 - Human Anatomy and Physiology I, ZOO 2020 - Human Anatomy and Physiology II

BS Physiology

University of Wyoming

JUNIOR

Fall Semester			Hrs	Spring Semester			Hrs	
Dept	#	Course Title	#	Dept	#	Course Title	#	
PHYS	1110	General Physics I OR	4	PHYS	1120	Physics II OR	4	
CHEM	2320	Organic Chemistry I OR		CHEM		4 th Chemistry course		
PHYS	1120	General Physics II OR		MATH	2200	Calculus I ³	4	
CHEM		4 th Chemistry course				Upper Division Physiology Elective ^{2,4}	3	
MATH	1405	Trigonometry ^{4,5}	3			Upper Elective ⁶	3	
ZOO	3115	Human Systems Physiology ³	4					
LIFE	3050	Genetics ²	4					
			TOTAL	15			TOTAL	14



SENIOR

Fall Semester			Hrs	Spring Semester			Hrs	
Dept	#	Course Title	#	Dept	#	Course Title	#	
LIFE	4125	Integrative Physiology ²	4	ZOO	4100	Scientific Communication ⁴	3	
		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 Division Physiology Elective ^{2,4}	3			Upper Elective ⁶	3	
		ASD or ASG (A&S Core)	3			Upper Elective ⁶	3	
			TOTAL	16			TOTAL	15
							Total Degree Hours	124
							Upper Division Hours	42

Transfer Recommendations and Notes:

1. Time has been allocated for one of the two D&Gs. If the ASG or ASD is not met at NWC 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)

5. If students take MATH1450 at NWC then Trigonometry not required at UW