

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

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	3
ENGL	1010	English I	3			General Education Requirement ¹	3
		Freshman Seminar	3				
			TOTAL				TOTAL
			18				17



SOPHOMORE

Fall Semester			Hrs	Spring Semester			Hrs
Dept	#	Course Title	#	Dept	#	Course Title	#
BIOL	2400	Ecology	3	STAT	2050	Fundamentals of Statistics	4
BIOL	2410	Field Ecology	1	BIOL	2385	Research Life & Physical Sciences ⁶ OR	(3) ⁴
		Wellness	2	BIOL	2395	Biological Research	1
		General Education Requirement ¹	3	PHYS	1110	General Physics I OR	4
ANTH	1200	Intro Cultural Anthropology ²		CHEM	2320	Organic Chemistry I	
		Core Elective	4	POLS	1000	American & Wyoming Government OR	3
				HIST	1221	The United States from 1865	
			TOTAL				TOTAL
			13				15
						General Education Requirement ¹	3
						TOTAL	15
						Total Degree Hours	63

Transfer Recommendations and Notes:

- Students are strongly encouraged to take at least one *General Education Requirement* (Huamnities/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

BS Zoology

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	4	
CHEM	2320	Organic Chemistry I			MATH	2200	Calculus I ³	4	
MATH	1405	Trigonometry ^{4,7}	3				Upper Division Zoology Elective ^{2,8}	3	
LIFE	3050	Genetics	4				Upper Elective ⁶	3	
		Upper Division <i>required</i> course ^{3,4}	3				Upper Elective ⁶	3	
TOTAL				14	TOTAL				17



SENIOR

Fall Semester				Hrs	Spring Semester				Hrs
Dept	#	Course Title	#		Dept	#	Course Title	#	
LIFE	3500	Evolutionary Biology ²	4		ZOO	4100	Scientific Communication ⁴	3	
		Upper Division Zoology Elective ^{2,8}	3				Upper Division Zoology Elective ^{2,8}	3	
		Upper Division Zoology Elective ^{2,8}	3				Upper Division Zoology Elective ^{2,8}	3	
		Upper Division Zoology Elective ^{2,8}	3				Upper Elective ⁶	4	
		ASD or ASG (A&S Core)	3						
TOTAL				16	TOTAL				13

Total Degree Hours 123
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. REQUIRED ELECTIVE COURSE. Students must select a course from the following list: ZOO 4330 Ichthyology (3); ZOO 4350 Ornithology (3); ZOO 4370 Mammalogy (3); ZOO 4380 Herpetology (3); ZOO 4540 Invertebrate Zoology (4). Courses not taken can be added to the elective list below
5. CHEM2300 Introduction to Organic Chemistry is typical. *CHEM1000 may NOT count here*
6. Upper level courses that are not designated electives do not need to be be "zoological". At discretion of student
7. If students take MATH1450 at NWC then Trig not required at UW

8. Zoology Electives (18h): ZOO3115 Human Systems Physiology (4), ZOO3600 Animal Behavior (3), ZOO4190 Comparative Environmental Physiology (4), ZOO4300 Principles of Wildlife Ecology & Management (5), ZOO4310 Fisheries Management (3), ZOO4340 Developmental Biology & Embryology (4), ZOO4400 Population Ecology (3), ZOO4415 Behavioral Ecology (3), ZOO4420 Conservation Biology (3), ZOO4430 Limnology Lab (2), ZOO4440 Limnology (3), ZOO4560 Quantitative Conservation Biology (4), ZOO4735 Advanced Topics in Physiology (2+), ZOO5060 Fundamental Concepts in Evolution (3), ZOO5300 Wildlife Ecology & Management (1+), ZOO5690 Advanced Animal Behavior (3), A&S4900 Special Topics in _____ (1+), MOLB3000 Introduction to Molecular Biology (3), BOT4550 Computational Biology (4), BOT4664 Special Topics in Evolution (1+), BOT4790 Special Topics in Ecology (1+), ANSC3010 Comparative Anatomy and Physiology of Domestic Animals (4), ANSC3100 Principles of Animal Nutrition (3), ANSC3150 Equine Nutrition and Physiology (3), PATB4170 Diseases of Wildlife (3), PATB4310 Introduction to Veterinary Parasitology (3), PATB 4360 Medical Entomology & Parasitology (4), PATB4710 Medical Virology (3), RNEW5500 Stable Isotope Ecology (3), GEOG3150 Survey of Remote Sensing Applications (3), GEOG3480 Environmental Change (3), ENTO4300 Applied Insect Ecology (3)