

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

Northwest College

FRESHMAN

Fall Semester			Hrs	Spring Semester			Hrs
Dept	#	Course Title	#	Dept	#	Course Title	#
BIOL	1010	General Biology ²	4	BIOL	2020	General Biology II ²	4
CHEM	1020	General Chemistry I	4	CHEM	1030	General Chemistry II	4
MATH	1400	College Algebra ^{2,3} OR	4	ENGL	1020	English II ⁴ /Tech Writing	3
MATH	1450	Precalc Algebra & Trig	(5) ³	ZOO	2450	Wildlife Management	3
ENGL	1010	English I	3	General Education Requirement ¹			3
Freshman Seminar			3				
TOTAL			18	TOTAL			17


Northwest College
 W Y O M I N G

SOPHOMORE

Fall Semester			Hrs	Spring Semester			Hrs
Dept	#	Course Title	#	Dept	#	Course Title	#
BIOL	2023	Biology of Plants and Fungi	4	STAT	2050	Fundamentals of Statistics	4
BIOL	2310	GIS	3	BIOL	2385	Research Life & Physical Sciences ⁵ OR	(3) ⁴
BIOL	2400	Ecology	3			2395 Biological Research	1
BIOL	2410	Field Ecology	1	ZOO	2400	Vertebrate Natural History OR	
		Wellness	2	BOT	2100	Forest Management OR	3
		General Education Requirement ¹	3	BIOL	1080	Environmental Science	
TOTAL			16	POLS	1000	American & Wyoming Government OR	3
				HIST	1221	The United States from 1865	
				General Education Requirement ¹			3
				TOTAL			14
				Total Degree Hours			65

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.
- A minimum grade of C is required for BIOL1010, BIOL2020, BIOL MATH1400
- 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 WFBM with Terrestrial option

University of Wyoming

JUNIOR

Fall Semester			Hrs	Spring Semester			Hrs
Dept	#	Course Title	#	Dept	#	Course Title	#
PHYS	1110	Physics I <i>OR</i>	4	ZOO	4350	Ornithology ³	3
AECL	2010	Intro Soil Science <i>OR</i>		MATH	2200	Calculus I ³ <i>OR</i>	4
GEOL	1100	Physical Geology		MATH	2350	Business Calculus I	
MATH	1405	Trigonometry ^{4,7}				Aquatic Biology Upper Elective ^{3,5}	3
LIFE	3050	Genetics	4		Upper Elective ⁶	3	
ZOO	4420	Conservation Biology ³	3		Upper Elective ⁵	3	
					ASD or ASG (A&S Core)	3	
TOTAL			<u>14</u>	TOTAL			<u>19</u>



SENIOR

Fall Semester			Hrs	Spring Semester			Hrs
Dept	#	Course Title	#	Dept	#	Course Title	#
ZOO	4300	Wildlife Ecol. Mgt ³	5	ZOO	4400	Population Ecology ³	3
ZOO	4370	Mammalogy ³	3	ZOO	4100	Communication in Biological Sciences ⁴	3
BOT	4700	Vegetation Ecology ³	4	ZOO	4190	Comparative Physiology ³	4
ZOO	4970	Internship	1	BOT/REWM		any 2 courses ^{3,6}	5
TOTAL			<u>13</u>	TOTAL			<u>15</u>
						Total Degree Hours	<u>126</u>
						Upper Division Hours	<u>42</u>

Transfer Recommendations and Notes:

1. **Students interested in being certified by The Wildlife Society MUST consult their advisor for more information.**
2. Time has been allocated for one of the two ASD&ASGs. If the ASG or ASD is not met at NWC then an additional 3h is required
3. A minimum of 30h must be at C or better for these courses.
4. A C is required
5. **Aquatic electives:** ZOO4330 Ichthyology, ZOO4440 Limnology, ZOO4310 Fisheries Management, ZOO4540 Invertebrate Zoology
6. **Electives:** These should be decided in consultation with your advisor.
7. If students take MATH1450 at NWC then Trig not required at UW

BS WFBM with Aquatic option

University of Wyoming

JUNIOR

Fall Semester				Hrs	Spring Semester				Hrs
Dept	#	Course Title	#	Dept	#	Course Title	#		
PHYS	1110	Physics I <i>OR</i>		ZOO	2450	Principles of Fish & Wildlife	3		
AECL	2010	Intro Soil Science <i>OR</i>	4	ZOO	4330	Ichthyology	3		
GEOL	1100	Physical Geology				Terrestrial Upper Elective ⁵	3		
COSC	1200	Comp Info Sys	3			Upper Elective ⁶	3		
MATH	2200	Calculus I ³ <i>OR</i>	4			ASD or ASG (A&S Core)	3		
MATH	2350	Business Calculus I							
ZOO	4440	Limnology ³	3						
ZOO	4430	Limnology Lab ³	2						
TOTAL				16					TOTAL
									15



SENIOR

Fall Semester				Hrs	Spring Semester				Hrs
Dept	#	Course Title	#	Dept	#	Course Title	#		
LIFE	3410	Field Ecology ³	2	ZOO	4400	Population Ecology ³	3		
ZOO	4310	Fisheries Management ³	3	ZOO	4100	Communication in Biological Sciences ⁴	3		
ZOO	4970	Internship	1	ZOO	4190	Comparative Physiology ³	4		
		Upper Elective ⁶	3			Upper Elective ⁶	3		
		Upper Elective ⁶	4			Upper Elective ⁶	3		
TOTAL				13					TOTAL
									16
								Total Degree Hours	120
								Upper Division Hours	43

Transfer Recommendations and Notes:

1. *Students interested in being certified by The American Fisheries Society MUST consult their advisor for more information.*
2. Time has been allocated for one of the two D&Gs. If the G or D is not met at NWC then an additional 3h is required
3. A minimum of 30h must be at C or better for these courses.
4. A C is required
5. **Terrestrial electives:** BOT4700 Vegetation Ecology, ZOO4300 Wildlife Ecology & Management, ZOO4350 Ornithology, ZOO4370 Mammalogy
6. **Upper electives:** These should be decided in consultation with your advisor. For the *Aquatic* alignment, possible courses include REWM4285 Wildland Hydrology, REWM4700, Wildland Watershed Management, GEOG4450 Fluvial Geomorphology, ZOO4540 Invertebrate Zoology. There are also various seminars available.