

# 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 <sup>2</sup>	4		BIOL	2020	General Biology II <sup>2</sup>	4	
CHEM	1020	General Chemistry I	4		CHEM	1030	General Chemistry II	4	
MATH	1400	College Algebra <sup>2,3</sup> <b>OR</b>	4		ENGL	1020	English II <sup>4</sup> /Tech Writing	3	
MATH	1450	Precalc Algebra & Trig	(5) <sup>3</sup>		ZOO	2450	Wildlife Management	3	
ENGL	1010	English I	3		General Education Requirement <sup>1</sup>			3	
		Freshman Seminar	3						
<b>TOTAL</b>				<b>18</b>	<b>TOTAL</b>				<b>17</b>



### 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 <sup>5</sup> <b>OR</b>	(3) <sup>4</sup>	
BIOL	2400	Ecology	3		BIOL	2395	Biological Research	1	
BIOL	2410	Field Ecology	1		ZOO	2400	Vertebrate Natural History <b>OR</b>		
		Wellness	2		BOT	2100	Forest Management <b>OR</b>	3	
		General Education Requirement <sup>1</sup>	3		BIOL	1080	Environmental Science		
<b>TOTAL</b>				<b>16</b>	POLS	1000	American & Wyoming Government <b>OR</b>	3	
					HIST	1221	The United States from 1865		
					General Education Requirement <sup>1</sup>			3	
					<b>TOTAL</b>				<b>14</b>
					<b>Total Degree Hours</b>				<b>65</b>

#### 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://wyosssb.uwyo.edu/bnrprod/bwckytfc.p\\_display\\_transfer\\_catalog](https://wyosssb.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 <b>OR</b>	4		ZOO	4350	Ornithology <sup>3</sup>	3		
AECL	2010	Intro Soil Science <b>OR</b>			MATH	2200	Calculus I <sup>3</sup> <b>OR</b>	4		
GEOL	1100	Physical Geology			MATH	2350	Business Calculus I			
MATH	1405	Trigonometry <sup>4,7</sup>	3				Aquatic Biology Upper Elective <sup>3,5</sup>	3		
LIFE	3050	Genetics	4				Upper Elective <sup>6</sup>	3		
ZOO	4420	Conservation Biology <sup>3</sup>	3				Upper Elective <sup>6</sup>	3		
							ASD or ASG (A&S Core)	3		
<b>TOTAL</b>				<b>14</b>					<b>TOTAL</b>	<b>19</b>



## SENIOR

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

**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 <sup>5</sup>	3		
COSC	1200	Comp Info Sys	3				Upper Elective <sup>6</sup>	3		
MATH	2200	Calculus I <sup>3</sup> <i>OR</i>	4				ASD or ASG (A&S Core)	3		
MATH	2350	Business Calculus I								
ZOO	4440	Limnology <sup>3</sup>	3							
ZOO	4430	Limnology Lab <sup>3</sup>	2							
<b>TOTAL</b>				<b>16</b>					<b>TOTAL</b>	<b>15</b>



## SENIOR

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

**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.