

# AS Biology (Track I) and BS Zoology

## Northern Wyoming Community College District

### FRESHMAN

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

### SOPHOMORE

Fall Semester				Hrs	Spring Semester				Hrs	
Dept	#	Course Title	#	Dept	#	Course Title	#			
CHEM	1020	General Chemistry <sup>3</sup>	4	CHEM	1030	General Chemistry II	4			
BIOL	2400	General Ecology <sup>4</sup>	3	PHYS	1120	General Physics II	4			
BIOL	2410	Field Ecology Lab <sup>4</sup>	2	CO/M	1010	Public Speaking	3			
PHYS	1110	General Physics I	4	CNST	0000	Constitutional Requirement	3			
		Program/General Elective	3							
<b>TOTAL</b>				<b>16</b>					<b>TOTAL</b>	<b>14</b>
								<b>Total Degree Hours</b>	<b>60</b>	

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/bwckytfc.p\\_display\\_transfer\\_catalog](https://wyossb.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.

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)

# AS Biology (Track I) and BS Zoology

University of Wyoming

## JUNIOR

Fall Semester			Hrs	Spring Semester			Hrs
Dept	#	Course Title	#	Dept	#	Course Title	#
MATH	1405	Trigonometry <sup>3</sup>	3	LIFE	3050	Genetics <sup>3</sup>	4
CHEM		3 <sup>rd</sup> Chem course <sup>5</sup>	4	STAT	2050	Fundamentals of Statistics <b>OR</b>	4
ZOO	4370	Upper Division <i>required</i> course <sup>3,4</sup>	3	MATH	2200	Calculus I <sup>2</sup>	4
		Upper Elective <sup>6</sup>	4			Upper Division Zoology Elective <sup>2,7</sup>	3
						ASD or ASG (A&S Core) <sup>1</sup>	3
<b>TOTAL</b>			<b>14</b>	<b>TOTAL</b>			<b>14</b>



## SENIOR

Fall Semester			Hrs	Spring Semester			Hrs
Dept	#	Course Title	#	Dept	#	Course Title	#
LIFE	4125	Integrative Physiology <sup>2</sup>	4	ZOO	4100	Communication in Biological Sciences <sup>3</sup>	3
		Upper Division Zoology Elective <sup>2,7</sup>	3			Upper Division Zoology Elective <sup>2,7</sup>	3
		Upper Division Zoology Elective <sup>2,7</sup>	3			Upper Division Zoology Elective <sup>2,7</sup>	3
		Upper Elective <sup>6</sup>	3			Upper Division Zoology Elective <sup>2,7</sup>	3
		Upper Elective <sup>6</sup>	3			Upper or Lower Division Elective	4
<b>TOTAL</b>			<b>16</b>	<b>TOTAL</b>			<b>16</b>
						<b>Total Degree Hours</b>	<b>120</b>
						<b>Upper Division Hours</b>	<b>42</b>

**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. **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+), ZOOS060 Fundamental Concepts in Evolution (3), ZOOS300 Wildlife Ecology & Management (1+), ZOOS690 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)