

Natural Sciences — Wildlife Biology, Associates of Science

Laramie County Community College

FRESHMAN

Fall Semester			Hrs	Spring Semester			Hrs		
Dept	#	Course Title	#	Dept	#	Course Title	#		
BIOL	1010	General Biology ³	4	BIOL	2022	Animal Biology ³	4		
CHEM	1020	General Chemistry I	4	CHEM	1030	General Chemistry II	4		
MATH	1400	College Algebra ³ OR	3	MATH	1405	Pre-Calculus Trigonometry ³	3		
MATH	1401	Pre-Calculus Algebra ³		ENGL	1010	English I: Composition	3		
COLS	1000	College Success	3						
			TOTAL	14				TOTAL	14



SOPHOMORE

Fall Semester			Hrs	Spring Semester			Hrs		
Dept	#	Course Title	#	Dept	#	Course Title	#		
BIOL	2023	Biology of Plant & Fungi ³	4	STAT	2050	Fundamentals of Statistics	4		
MATH	2200	Calculus I ⁴	4	ZOO	2450	Wildlife Management	3		
GEOL or	1100 or	Physical Geology OR	4	COSC	1200	Computer Information Systems	3		
PHYS or	1110 or	General Physics I OR					Aesthetic Analysis (Humanities) ¹	3	
AECL	2010	The Ecological Web: Soils				Wyoming State Requirement ²	3		
CO/M	1010	Public Speaking	3						
		Cultural Awareness (Social Sciences) ¹	3						
			TOTAL	18				TOTAL	16
							Total Degree Hours	62	

Transfer Recommendations and Notes:

- Students are strongly encouraged to take a Cultural Awareness or Aesthetic Analysis course that corresponds to the College of Arts & Sciences Diversity (D) and Global Studies (G) electives or else they will have to take D & Gs at UW. A list of D & G courses that transfer is available here (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.
- Courses that meet the *Wyoming State Requirement* include: U.S. to 1865 (HIST1211), U.S. from 1865 (HIST1221) Wyoming History (HIST1251), Economics, Law & Government (ECON1200), or American & Wyoming Government (POLS1000). Wyoming Government (POLS1100) will also meet *Wyoming State Requirement* but 2 additional credits will be needed to meet total degree credits.
- A minimum grade of C is required for BIOL1010, BIOL2022, BIOL2023, MATH1400, MATH1405
- This course is part of the "*minimum of 30h at C or better list*" for the whole BS degree (see below)

JUNIOR

Fall Semester			Hrs	Spring Semester			Hrs
Dept	#	Course Title	#	Dept	#	Course Title	#
LIFE	3400	General Ecology ³	3	ZOO	4350	Ornithology ³	3
LIFE	3410	Field Ecology ³	2	LIFE	3050	Genetics ³	4
ENR/BOT	4040	Conservation Nat Resources ³	3			Aquatic Biology Elective ^{3,6}	3
ZOO	4420	Conservation Biology ³	3			ASD or ASG (A&S Core)	3
		Upper or Lower Division Elective ⁷	3				
TOTAL			14	TOTAL			13



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 ⁵	3
BOT	4700	Vegetation Ecology ³	4	ZOO	4190	Comparative Physiology ³	4
ZOO	4970	Internship	1	BOT/REWM		any 2 courses ³	5
		ASD or ASG (A&S Core)	3				
TOTAL			16	TOTAL			15

Total Degree Hours **120**
Upper Division Hours **44**

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 the two D&Gs.
3. A minimum of 30h must be at C or better for these courses.
4. Students can take the 2 courses in BOT/REWM at either Upper or Lower Division level but if taken at the Upper level will count towards the 48 Upper Division Hours requirement, reducing the number of separate "Upper Level Courses" needed.
5. A C is required
6. **Aquatic electives:** CHEM2230 Quantitative Analysis, ZOO4330 Ichthyology, ZOO4440 Limnology, ZOO4310 Fisheries Management, ZOO4540 Invertebrate Zoology
7. **Upper electives:** These should be decided in consultation with your advisor.

Wildlife & Fisheries Biology & Management (Aquatic), Bachelors of Science

University of Wyoming

JUNIOR

Fall Semester			Hrs	Spring Semester			Hrs
Dept	#	Course Title	#	Dept	#	Course Title	#
LIFE	3400	General Ecology ³	3	LIFE	3050	Genetics ³	4
LIFE	3410	Field Ecology ³	2	ZOO	4330	Ichthyology ³	3
ZOO	4440	Limnology ³	3			Upper Elective ⁶	3
ZOO	4430	Limnology Lab ³	2			Terrestrial Upper elective ^{3,5}	3
		Elective	3			ASD or ASG (A&S Core)	3
TOTAL			<u>13</u>	TOTAL			<u>16</u>



SENIOR

Fall Semester			Hrs	Spring Semester			Hrs
Dept	#	Course Title	#	Dept	#	Course Title	#
ZOO	4310	Fisheries Management	3	ZOO	4400	Population Ecology ³	3
ZOO	4970	Internship	1	ZOO	4100	Communication in Biological Sciences ⁴	3
		Aquatic Biology Elective ³	3	ZOO	4190	Comparative Physiology ³	4
		Upper Divison Elective ⁶	2			Upper or Lower Divison Elective ⁶	4
		Upper or Lower Divison Elective ⁶	3			Upper or Lower Divison Elective ⁶	3
		ASD or ASG (A&S Core)	3				
TOTAL			<u>15</u>	TOTAL			<u>14</u>

Total Degree Hours **120**
Upper Division Hours **42**

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 the two D&Gs.

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. **Electives:** These should be decided in consultation with your advisor. For the *Aquatic* alignment, possible courses include CHEM2230 Quantitative Analysis (3), REWM4285 Wildland Hydrology, REWM4700, Wildland Watershed Management, GEOG4450 Fluvial Geomorphology, ZOO4540 Invertebrate Zoology. There are also various seminars available.