



**B.S. Wildlife & Fisheries Biology &
Management
Terrestrial Option
2020-2021 Catalog**

**University of Wyoming
B.S. Wildlife & Fisheries Biology &
Management, Terrestrial Option**

	cr	Min Grade	Notes
USP - University Studies Program Requirements			
USP: First Year Seminar	3	C	FYS
USP: Communications I	3	C	C1
USP: Communications II (ZOO 2450 built into major)		C	C2
USP: Communications III (ZOO 4100 & 4101 built into major)			C3
USP: US & Wyoming Constitutions	3		V
USP: Human Culture	3		H
USP: Quantitative (MATH 1400 built into the major)			Q
USP: Physical & Natural World (CHEM 1020 & 1030 built into major)			PN
Credit hours subtotal:			15
Foundation Courses			
Complete both: MATH 1400 College Algebra MATH 1405 Trigonometry	3 3		Q MATH 1450 (5 credits) may be substituted for MATH 1400 & MATH 1405
MATH 2200 Calculus I	4		May substitute MATH 1405 & MATH 2350.
LIFE 2100 Introduction to Research and Analysis	4		
Complete both: CHEM 1020 General Chemistry I CHEM 1030 General Chemistry II	4 4		PN PN
Physical Science, Choose one: GEOL 1100 Physical Geology PHYS 1110 General Physics I SOIL 2010 Introduction to Soil Science	4		
COSC 1200 Computer Information Systems	3		(Or approved Data Science course)
LIFE 1010 General Biology	4		
LIFE 2022 Animal Biology	4		
Credit hours subtotal:			37
Core Required Courses			
LIFE 3050 Genetics	4		
LIFE 3400 General Ecology	3		
LIFE 3410 Introduction to Field Ecology	2		
ZOO 2450 Principles of Fish and Wildlife Management	4		C2
ZOO 4190 Comparative Environmental Physiology	4		
ZOO 4400 Population Ecology	3		

ZOO 4970 Internship in Wildlife Management	1	(Maximum 1)
ZOO 4101 Scientific Communication Lab	1	C3

Credit hours subtotal: 24

Terrestrial Option

BOT 4700 Vegetation Ecology	4	
ZOO 4300 Wildlife Ecology and Management	5	

Terrestrial Option

A minimum of 10 of the TERRESTRIAL OPTION requirements listed below (BOT 4700 and ZOO 4300 and Restricted Electives) must be exclusive to the WFBM major.

BOT 4700 & ZOO 4300 PLUS fourteen (14) credits of restricted electives listed below:

ZOO 3600 Principles of Animal Behavior	3	
ZOO 4235 Marine Biology	3	
ZOO 4310 Fisheries Management	3	
ZOO 4330 Wildlife Ecology and Management	5	
ZOO 4350 Ornithology	3	
ZOO 4370 Mammalogy	3	
ZOO 4380 Herpetology	3	
ZOO 4415 Behavioral Ecology	3	
ZOO 4420 Conservation Biology	3	
ZOO 4430 Limnology Laboratory	2	
ZOO 4440 Limnology	3	
ZOO 4540 Invertebrate Zoology	4	
BOT 0000:5999		Any BOT course.
REWM 0000:5999		Any REWMcourse.
ENR 0000:5999		Any ENR course.
SOC 3950 Environmental Sociology	3	
AGEC 3750 Natural Resource Planning and Economics	3	
CHEM 2230 Quantitative Analysis	4	
LIFE 2023 Biology of Plants and Fungi	4	

Credit hours subtotal: 23

Elective Courses

Elective	15	Electives should work to fulfill upper division requirement.
A&S Core Diversity in the US	3	ASD
A&S Core Global Awareness	3	ASG

Credit hours subtotal: 21

B.S. Wildlife & Fisheries Biology and Management, Terrestrial Option

total credit total: 120

B.S. Wildlife & Fisheries Biology and Management (Terrestrial Option) Program Notes:

A student graduating with a degree in WFBM will have comprehensive knowledge of wildlife and fisheries biology and management, will have earned a degree that is compatible with the requirements for professional certification with the American Fisheries Society or the Wildlife Society, and will have a range of knowledge and skills that are valuable to potential employers.

- A minimum of 120 hours is required. A minimum of 42 hours must be upper division (3000 & 4000 level).
- Math, Science & CM Electives must be selected with advisor's approval from Department list. General Electives cannot meet any other requirement for the major. Electives should be selected to satisfy the 42 hour upper division requirement.
- Degree Candidates must meet the academic requirements of the university, and must have a minimum GPA of 2.0 in all courses required for the major. • Grades of C or better are required for all prerequisite courses.

- Students may not take a course for S/U credit to satisfy any requirement, unless the course is offered for S/U credit only.

University of Wyoming Requirements

- Students must have a minimum cumulative GPA of 2.0 to graduate.
- Students must complete 42 hours of upper division (3000-level or above) coursework, 30 of which must be from the University of Wyoming.
- Courses must be taken for a single letter grade unless offered only for S/U.
- University Studies Program (USP), Human Culture (H) and Physical & Natural World (PN) courses must be taken outside of the major subject, but can be cross-listed with the major.

College of Arts and Sciences Requirements

- Students must take two "core" courses in addition to UW's USP requirements: Diversity in the United States (ASD) and Global Awareness (ASG).
- No more than 60 hours in the major subject may be used toward the 120 credit hours required for graduation.
- At least 30 hours in the major subject must be completed with a grade of C or better (individual majors may require more).

The University of Wyoming Office of the Registrar provides final approval of degree completion requirements prior to the awarding of any degree.