WILDLIFE BIOLOGY B.S. - INTEGRATED AQUATIC/ TERRESTRIAL

General Degree Requirements

To earn a baccalaureate degree, all students must complete successfully, in addition to any other requirements, the University of Montana General Education Requirements. Please refer to the General Education Requirements page (https://catalog.umt.edu/academics/general-education-requirements/) for more information.

Additional requirements for graduation can be found on the Degree/Certificate Requirements for Graduation page (https://catalog.umt.edu/academics/graduation-requirements/).

Unless otherwise noted in individual program requirements, a minimum grade point average of 2.00 in all work attempted at the University of Montana-Missoula is required for graduation. Please see the Academic Policies and Procedures page (https://catalog.umt.edu/academics/policies-procedures/) for information on how your GPA is calculated.

Courses taken to satisfy the requirements of a major, minor, or certificate program must be completed with a grade of C- or better unless a higher grade is noted in the program requirements.

Bachelor of Science - Wildlife Biology; Integrated Aquatic/Terrestrial Concentration

- This major requires a minimum GPA of 2.5.

Course Requirements

Code	Title	Hours
Core Courses		
BIOB 160	Principles of Living Systems	3
BIOB 161N	Principles of Living Systems Lab	1
BIOB 170N	Principles of Biological Diversity	3
BIOB 272	Genetics and Evolution	4
BIOE 370	General Ecology	3
BIOE 371	General Ecology Lab (equivalent to 271)	2
WILD 180	Careers in Wildlife Biology	2
WILD 245	Wildlife Data, Inference, and Statistics	4
WILD 274	Human Dimensions of Wildlife	3
WILD 398	Internship (Internship (fulfills the Wildlife Biology Experiential Learning requirement. Alternatives are possible. See the Wildlife Biology Advisor.)	2
WILD 410	Wildlife Policy	3
or NRSM 422	Natural Resources Policy	
or NRSM 427	Water Policy	
or NRSM 428	Climate Policy	
WILD 494	Senior Wildlife Seminar	1
Integrated Aquatic/Terrestrial Concentration Courses		
Complete all of the following courses:		
BIOO 470	Ornithology	4
or BIOO 475	Mammalogy	
or BIOO 340	Biology and Management of Fishes	
NRSM 360	Rangeland Management	3
or FORS 347	Multiple Resource Silviculture	
or NRSM 385	Watershed Hydrology	
WILD 270	Wildlife Techniques	3
or WILD 280	Fisheries Techniques	
WILD 370	Wildlife Habitat Conservation & Management	4
or WILD 408	Aquatic Habitat Conservation & Restoration	
WILD 470	Conservation of Wildlife Populations	4
or WILD 475	Conservation of Fish Populations	
Complete two of the following courses:		6-9
BIOB 435	Comparative Animal Physiology	
BIOB 480	Conservation Genetics	
BIOB 486	Genomics	
BIOE 406	Behavior & Evolution	
BIOE 428	Freshwater Ecology	
BIOE 448	Terrestrial Plant Ecology	
BIOM 460	Ecology of Infectious Diseases	
BIOO 335	Rocky Mountain Flora	
NRSM 379	Collaborations in Natural Resource Decisions	
NRSM 462	Rangeland Ecology	
PTRM 300	Recreation Behavior	
WILD 346	Wildlife Physiological Ecology	
WILD 480	The Upshot--Applied Wildlife Management	
Outside Major Required Courses		
Complete all of the following courses:		
CHMY 121N	Introduction to General Chemistry	4
COMX 111A	Introduction to Public Speaking	3
M 162	Applied Calculus	4
or M 171	Calculus I	
Complete one of the following sequences:		3-5
CHMY 123	Introduction to Organic and Biochemistry	
ERTH 101N & ERTH 103N	Earth Systems Science and Earth Systems Science Lab	
GPHY 111N & GPHY 112N	Intro to Physical Geography: Climate, Landforms, and Vegetation and Intro to Physical Geography Laboratory: Climate, Landforms, and Vegetation Lab	
NRSM 211N & NRSM 212N	Soils and Water and Ecology, Physics and Taxonomy of Soils	
PHSX 205N & PHSX 206N	College Physics I and College Physics I Laboratory	
Writing in the Disciplines Requirement		
To complete the Writing in the Disciplines Requirement, Wildlife Biology students are required to take three partial writing courses to meet the distributed Writing in the Disciplines requirement.		

The following are required in the Integrated Aquatic/ Terrestrial Concentration:	
BIOE 371	General Ecology Lab (equivalent to 271)
BIOO 470	Ornithology
or BIOO 475	Mammalogy
or BIOO 340	Biology and Management of Fishes
WILD 470	Conservation of Wildlife Populations
or WILD 475	Conservation of Fish Populations
The following courses are additional options that can be used to fulfill the Writing in the Disciplines Requirement:	
BIOB 483	Phylogenetics and Evolution
BIOE 342	Field Ecology
BIOE 403	Comparative Vertebrate Anatomy
BIOO 340	Biology and Management of Fishes
BIOO 470	Ornithology
BIOO 475	Mammalogy
FORS 330	Forest Ecology
FORS 341	Timber Harvesting & Roads
FORS 349	Practice of Silviculture
FORS 440	Forest Stand Management
NRSM 349E	Climate Change Ethics and Policy
NRSM 379	Collaborations in Natural Resource Decisions
NRSM 462	Rangeland Ecology
NRSM 475	Environment & International Development
PTRM 300	Recreation Behavior
PTRM 451	Tourism & Sustainability
PTRM 482	Wilderness & Protected Area Management
WILD 410	Wildlife Policy
WILD 470	Conservation of Wildlife Populations
WILD 475	Conservation of Fish Populations
WILD 499	Undergraduate Thesis
Total Hours	**69-74**