

# WILDLIFE BIOLOGY - TERRESTRIAL

## Bachelor of Science - Wildlife Biology; Terrestrial Concentration

### General Education Requirements

Information regarding these requirements can be found in the General Education Section (<http://catalog.umn.edu/academics/general-education-requirements/>) of the catalog.

### Summary

Code	Title	Hours
Major Required Courses		37-39
Major Required Courses - Terrestrial Concentration		19
Outside Major Required Courses		20-21
<b>Total Hours</b>		<b>76-79</b>

Degree Specific Credits: 76-79

Required Cumulative GPA: 2.5

### Major Required Courses

**Note:** WILD 398 fulfills the Wildlife Biology Experiential Learning requirement. Alternatives are possible. See the Wildlife Biology Advisor in the Forestry Building, room 204.

Code	Title	Hours
<b>Complete all of the following courses:</b>		
BIOB 160N	Principles of Living Systems	3
BIOB 161N	Principles of Living Systems Lab	1
BIOB 260	Cellular and Molecular Biology	4
BIOB 272	Genetics and Evolution	4
BIOE 370	General Ecology	3
BIOE 371	General Ecology Lab (equivalent to 271)	2
BIOO 320 or BIOO 335	General Botany Rocky Mountain Flora	3-5
WILD 180	Careers in Wildlife Biology	2
WILD 274	Human Dimensions of Wildlife	3
WILD 346	Wildlife Physiological Ecology	3
WILD 398	Internship	2
WILD 410 or NRSM 422	Wildlife Policy & Biopolitics Natural Resource Policy and Administration	3
WILD 480 or BIOB 480 or BIOM 460 or NRSM 379 or PTRM 300	The Upshot–Applied Wildlife Management Conservation Genetics Ecology of Infectious Diseases Collaborations in Natural Resource Decisions Recreation Behavior	3
WILD 494	Senior Wildlife Seminar	1
<b>Total Hours</b>		<b>37-39</b>

Minimum Required Grade: C-

### Major Required Courses - Terrestrial Concentration

Code	Title	Hours
<b>Complete all of the following courses:</b>		
NRSM 360 or FORS 347	Rangeland Management Multiple Resource Silviculture	3
WILD 370	Wildlife Habitat Conservation & Management	4
WILD 470	Conservation of Wildlife Populations	4
<b>Complete two of the following courses:</b>		<b>8</b>
BIOO 340	Biology and Management of Fishes	
BIOO 470	Ornithology	
BIOO 475	Mammalogy	
<b>Total Hours</b>		<b>19</b>

Minimum Required Grade: C-

### Outside Major Required Courses

Code	Title	Hours
<b>Complete all of the following courses:</b>		
CHMY 121N	Introduction to General Chemistry	4
CHMY 123	Introduction to Organic and Biochemistry	4
CHMY 124	Introduction to Organic and Biochemistry Lab	2
COMX 111A	Introduction to Public Speaking	3
M 162 or M 171	Applied Calculus Calculus I	4
STAT 216 or WILD 240	Introduction to Statistics Intro to Biostatistics	3-4
<b>Total Hours</b>		<b>20-21</b>

Minimum Required Grade: C-

### Advanced College Writing Requirement

Code	Title	Hours
<b>Complete any three of the courses from the following lists:</b>		
<b>The following courses are required in the Terrestrial Concentration:</b>		
WILD 470	Conservation of Wildlife Populations	
<b>And two of the following three:</b>		
BIOO 340	Biology and Management of Fishes	
BIOO 470	Ornithology	
BIOO 475	Mammalogy	
<b>The following courses are additional options that can also be used to fulfill the Advanced College Writing requirement:</b>		
BIOB 483	Phylogenics and Evolution	
BIOE 342	Field Ecology	
BIOE 403	Comparative Vertebrate Anatomy	
BIOE 409	Behavior & Evolution Discussion	
BIOE 428	Freshwater Ecology	

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BIOO 320	General Botany
BIOO 434	Plant Physiology Lab
FORS 330	Forest Ecology
FORS 341	Timber Harvesting & Roads
FORS 349	Practice of Silviculture
FORS 440	Forest Stand Management
NRSM 326	Climate and Society
NRSM 344	Ecosystem Science and Restoration Capstone
NRSM 349E	Climate Change Ethics and Policy
NRSM 379	Collaborations in Natural Resource Decisions
NRSM 389E	Ethics and Sustainability
NRSM 462	Rangeland Ecology
NRSM 475	Environment & Development
NRSM 495	Ecosystem Science and Restoration Practicum
PTRM 300	Recreation Behavior
PTRM 451	Tourism & Sustainability
PTRM 482	Wilderness & Protected Area Management
WILD 408	Advanced Fisheries
WILD 410	Wildlife Policy & Biopolitics
WILD 499	Thesis

Minimum Required Grade: C-