

WILDLIFE BIOLOGY PROGRAM

(STARTING AUTUMN 2023) CURRICULUM — AQUATIC OPTION

COURSE #	AUTUMN DESCRIPTION	CR	COURSE #	SPRING DESCRIPTION	CR
FRESHMAN					
BIOB 160N	Principles of Living Systems	3	CHMY 123	Organic & Biochemistry	4
BIOB 161N	Principles Living Systems Lab	1 ^A	CHMY 124	Organic & Biochemistry Lab	2
CHMY 121N	General Chemistry	4	M 162	Applied Calculus ²	4
WRIT 101	College Writing I ¹	3	COMX 111A	Introduction to Public Speaking	3
WILD 180	Careers in Wildlife Biology	2		Electives/General Education	<u>3</u>
	Electives/General Education	<u>3</u>			16

¹ Only students whose last names begin with the letters A-L can take WRIT 101 in the fall. Any students may take WRIT 101 in the spring. If M-Z, take COMX 111A during the autumn semester and WRIT 101 in the spring.

² Students should take the Math Placement Exam online at http://www.umt.edu/oss/for_students/mathplacement to determine which Math course is the appropriate place to start.

SOPHOMORE					
BIOB 260	Cell and Molecular Biology	4 ^A	BIOB 272	Genetics & Evolution	4 ^S
WILD 240	Biostatistics (honors optional)	3		Intermediate Writing Course	3
	or		WILD 274	Human Dimensions of Wildlife	3 ^S
STAT 216	Intro to Statistics	4		Electives/General Education	<u>5</u>
WILD 280	Fisheries Techniques	3 ^A			15
	Electives/General Education	3			
WILD 398	Experiential Learning ³	<u>2</u>			
		15-16			

³ Wildlife Biology students have several options, see info at <https://www.cfc.umt.edu/wbio/undergraduate/degree-requirements.php>

JUNIOR					
One of the following four courses:					
BIOB 427/8	General Parasitology/Lab	4 ^A	BIOE 428	Freshwater Ecology	5 ^S
or BIOE 406	Behavior & Evolution	3 ^{odd A}	NRSM 385	Watershed Hydrology	3 ^S
or BIOO 462	Entomology	4 ^{even S}		Electives/General Education	<u>7</u>
or WILD 485	Aquatic Invertebrate Ecology	3 ^A			15
BIOO 340	Biology/Mgmt of Fishes	4 ^A			
BIOE 370/1	Ecology & Lab	5 ^A			
WILD 346	Wildlife Physiological Ecology	3 ^A			
		15-16			

SENIOR					
BIOO 320	General Botany	5 ^A	WILD 408	Advanced Fisheries	3 ^S
	or		One of the following five courses:		
BIOO 335	Rocky Mtn Flora	3 ^S	WILD 480	Upshot: Applied Wildlife Mgmt	3 ^S
WILD 494	Senior Seminar	1	or BIOB 480	Conservation Genetics	3 ^S
One of the following four courses:					
NRSM 422	Natural Resource Policy & Admin	3	or BIOO 460	Ecology of Infectious Diseases	3 ^S
WILD 410	Wildlife Policy & Biopolitics	3 ^{odd S}	or NRSM 379	Collab Nat Resource Decision Making	3 ^S
NRSM 427	Water Policy	3 ^{even A}	or PTRM 300	Recreation Behavior	3 ^S
NRSM 428	Climate Policy	3 ^{odd A}		Electives/General Education	<u>9</u>
	Electives/General Education	<u>6</u>			15
		12-15			

All courses offered both Autumn/Spring except where indicated with (A) Autumn or (S) Spring.

All courses (except WILD 494 and WILD 398) must be taken for traditional letter grade

Minimum of 120 credits including 39 upper division courses (300/400 level) and minimum cumulative GPA of 2.5 are required for graduation.

Recommended Courses: BIOO 105N Introduction to Botany; WILD 230 Conservation Science; FORS 250 Intro to GIS for Forest Mgmt; FORS 347 Multiple Resource Silviculture; WILD 370 Wildlife Habitat Conservation