

WILDLIFE BIOLOGY PROGRAM

(STARTING AUTUMN 2023) CURRICULUM — TERRESTRIAL **PREVET** OPTION

AUTUMN			SPRING		
COURSE #	DESCRIPTION	CR	COURSE #	DESCRIPTION	CR
FRESHMAN					
BIOB 160N	Principles of Living Systems	3	BIOB 170/1N	Biological Diversity + Lab	5 ^S
BIOB 161N	Principles Living Systems Lab	1 ^A	CHMY 143/4N	College Chemistry II + Lab ²	5
CHMY 141/2N	College Chemistry I + Lab ^{1,2}	5	WRIT 101	College Writing I	3
M 162	Applied Calc ¹	4	COMX 111A	Intro to Public Speaking	<u>3</u>
WILD 180	Careers in Wildlife Biology	<u>2</u>			<u>16</u>
		15			

¹Student will need to take both CHMY and Math placement tests to determine starting point

²College Chemistry I & II sequence is *either* Fall/Spring or Spring/Summer depending on if you need to take prep course first

SOPHOMORE					
BIOB 260	Cell & Molecular Biology	4 ^A	BIOB 272	Genetics & Evolution	4 ^S
WILD 240	Biostatistics	3	CHMY 223/4	Organic Chemistry II + Lab	5 ^S
	or			Intermediate Writing + "L"	3
STAT 216	Intro to Statistics ³	4		General Education (double dip)	3
CHMY 221/2	Organic Chemistry I + Lab	5 ^A	WILD 274	Human Dimensions of Wildlife	<u>3^S</u>
	General Education (double dip)	<u>3</u>			18
		16			

³Confirm that your particular DVM program will accept Biostats in place of Statistics

JUNIOR					
PHSX 205/6N	College Physics I + Lab ⁴	5	PHSX 207/8N	College Physics II + Lab ⁴	5
BIOE 370/1	Ecology + Lab ⁵	5	BIOB 375	General Genetics	3 ^S
WILD 346	Wildlife Physiological Ecology	3 ^A	BIOO 335	Rocky Mtn Flora	3 ^S
NRSM 360	Rangeland Mgmt	3 ^A	One of the following four courses:		
	(or FOR 347 next spring)		NRSM 422	Nat Resource Policy & Admin	3 ^S
WILD 398	Experiential Learning ⁶	<u>2</u>	or WILD 410	Wildlife Policy & Biopolitics	3 ^S
		15-18	or NRSM 427	Water Policy	3 ^{even A}
			or NRSM 428	Climate Policy	3 ^{odd A}
				General Education (double dip)	<u>3</u>
					17

⁴PHSX switches times/days depending on semester – may need to adjust schedule accordingly to avoid time conflicts

⁵Students can apply to take a FLBS Field Ecology summer class in place of General Ecology: <https://flbs.umt.edu/apps/education/default.aspx>

⁶Experiential Learning generally completed over previous summer, credits/paper taken in the fall. Wildlife Biology students have several options, see info at <https://www.cfc.umt.edu/wbio/undergraduate/degree-requirements.php>

SENIOR					
BCH 380	Biochemistry	4	BCH 482	Advanced Biochemistry II	3 ^S
	or		BIOB 435	Comparative Animal Physiology	3 ^S
BCH 480	Advanced Biochemistry	3 ^A	WILD 470	Conservation Wildlife Populations	4
WILD 370	Wildlife Habitat Conservation	4	WILD 494	Senior Seminar	1
BIOE 403	Comparative Vert Anatomy	4 ^A	One of the following five courses:		
Two of the following three courses:			WILD 480	Upshot: Applied Wildlife Mgmt	3 ^S
BIOO 340	Biology/Mgmt Fishes	4 ^A	or BIOB 480	Conservation Genetics	3 ^S
or BIOO 475	Mammalogy	4 ^A	or BIOM 460	Ecology of Infectious Diseases	3 ^S
or BIOO 470	Ornithology	4 ^S	or NRSM 379	Collab in Nat Res Decision Making	3 ^S
		16-19	or PTRM 300	Recreation Behavior	3 ^S
				General Education (double dip)	<u>3</u>
					17

All Vet Schools have their own requirements – this is a general outline of possible, common requirements – please check with your intended DVM program to confirm specifics.

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

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.