

WILDLIFE BIOLOGY PROGRAM

(STARTING AUTUMN 2023) CURRICULUM — AQUATIC **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>			16
		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 Intermediate Writing + "L"	5 ^S 3
STAT 216	Intro to Statistics ³	4	NRSM 385	Watershed Hydrology	3 ^S
CHMY 221/2	Organic Chemistry I + Lab	5 ^A	WILD 274	Human Dimensions of Wildlife	<u>3^S</u>
WILD 280	Fisheries Techniques	<u>3^A</u>			18
		15-16			

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
BIOO 340	Biology & Mgmt Fishes	4 ^A	BIOE 428	Freshwater Ecology	5 ^S
WILD 346	Wildlife Physiological Ecology	<u>3^A</u>	One of the following four courses:		
		17	NRSM 422	Nat Resource Policy & Admin	3 ^S
			or WILD 410	Wildlife Policy & Biopolitics	3 ^S
			or NRSM 427	Water Policy	3 ^{even A}
			or NRSM 428	Climate Policy	3 ^{odd A}
				General Education (double dip)	<u>3</u>
					19

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>

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 408	Advanced Fisheries	3 ^S
WILD 398	Experiential Learning ⁶	2	One of the following five courses:		
BIOO 320	General Botany	5 ^A	WILD 480	Upshot: Applied Wildlife Mgmt	3 ^S
BIOE 403	Comparative Vert Anatomy	4 ^A	or BIOB 480	Conservation Genetics	3 ^S
One of the following four courses:			or BIOM 460	Ecology of Infectious Diseases	3 ^S
BIOM 427/8	Parasitology + Lab	4 ^A	or NRSM 379	Collab in Nat Res Decision Making	3 ^S
or BIOE 406	Behavior/Evolution	3 ^{odd A}	or PTRM 300	Recreation Behavior	3 ^S
or BIOO 462	Entomology	4 ^S		General Education (double dip)	3
or WILD 485	Aquatic Invertebrate Ecology	<u>3</u>	WILD 494	Senior Seminar	<u>1</u>
		17-18			16

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>

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.