

**Min. cumulative
GPA 2.5
required for
graduation**

**WILDLIFE BIOLOGY PROGRAM
2018-2019 CURRICULUM - AQUATIC OPTION**

AUTUMN		CR	SPRING		CR
COURSE #	DESCRIPTION		COURSE #	DESCRIPTION	
FRESHMAN					
BIOB 160N	Principles of Living Systems	3	CHMY 123	Organic & Biochemistry	4
BIOB 161N	Principles of Living Systems Lab	1 ^A	CHMY 124	Organic & Biochemistry Lab	2
CHMY 121N	General Chemistry	3	COMX 111A	Introduction to Public Speaking	3
WRIT 101	College Writing I ¹	3	M 162	Applied Calculus ²	4
WILD 180	Careers in Wildlife Biology	2		Electives/General Education	<u>2-4</u>
	Electives/General Education	<u>2-4</u>			15-17
		14-16			

¹Only 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.

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

SOPHOMORE

BIOB 260	Cell & Molecular Biology	4 ^A	BIOB 272	Genetics & Evolution	4 ^S
STAT 216	Statistics	4		Intermediate writing course	3
	or			Grgevkxgull ppgtcrfGf vecvqp"	<u>6-8</u>
WILD 240	Intro to Biostatistics/Honors	3 ^S			13-15
	Experiential Learning ³	2			
	Electives/General Education	<u>4-6</u>			
		13-16			

³Wildlife 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:

BIOM 427/428	General Parasitology/Lab	4 ^A	BIOE 428	Freshwater Ecology	5 ^S
or BIOE 406	Behavior & Evolution ⁴	3 ^A	NRSM 385	Watershed Hydrology	3
or BIOO 462	Entomology ⁵	4 ^S		Electives/General Education	<u>7-8</u>
or WILD 485	Aquatic Invertebrate Ecology	3 ^A			15-16
BIOO 340	Biology & Mgmt of Fishes	4 ^A			
BIOE 370	General Ecology	3 ^A			
BIOE 371	General Ecology Lab	2 ^A			
WILD 346	Wildlife Physiological Ecology	<u>3^A</u>			
		15-16			

⁴Only offered odd falls
⁵Only offered even springs

SENIOR

BIOO 320	General Botany	5 ^A	WILD 408	Advanced Fisheries	3 ^S
WILD 494	Senior Seminar	1	WILD 480	Upshot: Applied Wildlife Management*	3 ^S
NRSM 422	Natural Resources Policy & Admin**	3		Electives/General Education	<u>8-9</u>
	Electives/General Education	<u>9-10</u>			14-15
		13-14			

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

*Allowable substitutions: BIOB 480 Conservation Genetics-spring, WILD 491 Ecology of Infectious Diseases-spring, NRSM 379 Collab in Nat Res Decision Making- spring, PTRM 300 Recreation Behavior (with prerequisite waiver)-spring

**Allowable substitutions: NRSM 427 Advanced Water Policy (3 cr.) - spring, WILD 410 Wildlife Policy & Biopolitics (3 cr.) - odd springs

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.

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