

University of Wyoming Sample Four-Year Degree Plan  
Catalog Year: 2019-20

## Animal & Veterinary Sciences, BS Animal Biology Option



This sample degree plan is a guide, to be used for planning in consultation with your academic advisor. Actual course sequence may vary by student. A ▲ symbol identifies courses that must be taken and passed during the suggested semester in order for a student to stay on track toward completing the degree program within four years.

Sequence	Course Prefix	Course Number	Course Title	Credit Hours	Min Grade	Notes
			USP First-Year Seminar	3	C	FY
▲	ANSC	1010	Introduction to Animal Science	4		
▲	CHEM	1020	General Chemistry I <sup>1</sup>	4		PN
▲	LIFE	1010	General Biology <sup>2</sup>	4	C	PN
<b>Credit hours subtotal:</b>				<b>15</b>		

### Freshman Spring Semester

			USP US & Wyoming Constitutions	3	C	V
▲	CHEM	1030	General Chemistry II	4		
	ENGL	1010	College Composition and Rhetoric	3	C	C1. Offered spring semester
▲	LIFE	2022	Animal Biology	4	C	Spring Only
	MATH	1400	College Algebra <sup>3</sup>	3		Q
<b>Credit hours subtotal:</b>				<b>17</b>		

### Sophomore Fall Semester

			USP Human Culture (Language <sup>2</sup> )	3	C	H
▲	CHEM	2420	Organic Chemistry I	4		
	MATH	1405	Trigonometry	3		
	PHYS	1110	General Physics I	4		
			Elective	3		
<b>Credit hours subtotal:</b>				<b>17</b>		

### Sophomore Spring Semester

			USP Communication 2	3	C	C2
▲	CHEM	2440	Organic Chemistry II	4		
	PHYS	1120	General Physics II	4		
	STAT	2050	Fundamentals of Statistics	4		or STAT 2070
<b>Credit hours subtotal:</b>				<b>15</b>		

This sample degree plan is a guide for course work in the major. • Course sequencing may need to be altered if ACT, SAT or Math Placement scores require a student to take pre-college courses before taking required math or English courses. • Not all courses are offered every semester and some electives may have prerequisites. Students should review course descriptions in the *University Catalog* and consult with their academic advisor to plan accordingly.

#### University of Wyoming requirements:

Students must have a minimum cumulative GPA of 2.0 to graduate. • Students must complete 42 hours of upper division (3000-level or above) coursework, 30 of which must be from the University of Wyoming. • Courses must be taken for a letter grade unless offered only for S/U. • University Studies Program (USP) Human Culture (H) and Physical & Natural World (PN) courses must be taken outside of the major subject, but can be cross-listed with the major.

#### Animal & Veterinary Sciences - Animal Biology Option Program Notes:

<sup>1</sup> Requires MATH ACT ≥ 23, MATH SAT ≥ 600, Math Placement Exam ≥ 3, or concurrent enrollment in MATH 1400 or 1405 or 1450.

<sup>2</sup> Requires MATH ACT ≥ 21, MATH SAT ≥ 600, Math Placement Exam ≥ 2, or > C in MATH 0921. (University Standard)

<sup>3</sup> See the "Prerequisite and MPE Cut Score Reference Chart" on the Math Placement website for the most up-to-date math placement

Notes continued on next page(s).

University of Wyoming Sample Four-Year Degree Plan  
Catalog Year: 2019-20

## Animal & Veterinary Sciences, BS

### Animal Biology Option



Sequence	Course Prefix	Course Number	Course Title	Credit Hours	Min Grade	Notes
<b>Junior Fall Semester</b>						
			USP Human Culture	3	C	H
	MICR	2021	General Microbiology	4		MICR/MOLB 2240 (Medical Microbiology).
	MOLB	3610	Principles of Biochemistry	4		Can take both MOLB 3610 & MOLB 4100 or can substitute MOLB 4600 (Biochemistry 1: Biomolecules) & MOLB 4610 (Biochemistry 2: Bioenergetics & Metabolism).
			Upper Division Elective <sup>3</sup>	3		
			Elective	3		
<b>Credit hours subtotal:</b>				<b><u>17</u></b>		

<b>Junior Spring Semester</b>						
	ANSC	3010	Comp Anat and Phys of Domestic Animals	4	C	Spring Only
	ANSC	3100	Principles of Animal Nutrition	3	C	Spring Only
	MOLB	4100	Clinical Biochemistry	3		Can take both MOLB 3610 & MOLB 4100 or can substitute MOLB 4600 (Biochemistry 1: Biomolecules) & MOLB 4610 (Biochemistry 2: Bioenergetics & Metabolism).
			Electives	6		
<b>Credit hours subtotal:</b>				<b><u>16</u></b>		

<b>Senior Fall Semester</b>						
	ANSC	4120	Principles of Mammalian Reproduction	3	C	
	FDSC	3060	Principles of Meat Science & Muscle Biology	3	C	
	LIFE	3050	Genetics	4		
	PATB	4400	Immunology	4		
			Elective	3		
<b>Credit hours subtotal:</b>				<b><u>17</u></b>		

<b>Senior Spring Semester</b>						
▲	ANSC	4630	Topics and Issues in Animal Science	3	C	C3
	ZOO	3600	Principles of Animal Behavior	3		or PSYC 3600
			Upper Division Electives <sup>3</sup>	5		
			Elective	3		
<b>Credit hours subtotal:</b>				<b><u>14</u></b>		
<b>TOTAL CREDIT HOURS</b>				<b><u>128</u></b>		

#### Animal & Veterinary Sciences - Animal Biology Option Notes con't:

<sup>3</sup> Recommended Electives

- ANSC 4050 Animal Growth & Development (3 hrs)
- ANSC 4111 with PATB 4111
- ANSC 4132 Equine Reproduction (2 hrs)
- ANSC 4150 Physiology of Ruminant Digestion (3 hrs)
- ANSC 4260 Mammalian Endocrinology (3 hrs)
- FDSC 3060 hrs)
- PATB 4001 Epidemiology (Diseases in Population (3 hrs)
- PATB 4130 Mammalian Pathobiology (3 hrs)
- PATB 4170 Diseases of Wildlife (3 hrs)
- PATB 4360 Medical Entomology & Parasitology (4 hrs)