

University of Wyoming Sample Four-Year Degree Plan  
Catalog Year: 2018-19

## 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.

Course 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	C	
▲	CHEM	1020	General Chemistry 1 <sup>1</sup>	4	C	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	3	C	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		
<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 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)

Notes continued on next page(s).

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#### Junior Fall Semester

			USP Human Culture	3	C	H
	MICR	2021	General Microbiology	4		Cross listed with MOLB 2021; can substitute 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 <sup>3</sup>	3		
<b>Credit hours subtotal:</b>				<b>17</b>		

#### Junior Spring Semester

	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	C	Can take both MOLB 3610 & MOLB 4100 or can substitute MOLB 4600 (Biochemistry 1: Biomolecules) & MOLB 4610 (Biochemistry 2: Bioenergetics & Metabolism).
			Electives <sup>3</sup>	6		
<b>Credit hours subtotal:</b>				<b>16</b>		

#### Senior Fall Semester

	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>17</b>		

#### Senior Spring Semester

▲	ANSC	4630	Topics and Issues in Animal Science	3	C	C3
	ZOO	3600	Principles of Animal Behavior	3		
			Upper Division Electives <sup>3</sup>	5		
			Elective	3		
<b>Credit hours subtotal:</b>				<b>14</b>		

**TOTAL CREDIT HOURS    128**

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

<sup>3</sup> Recommended Electives

ANSC	4050	Animal Growth & Development (3 hrs)	
ANSC	4111	Equine Health and Disease (3 hrs)	Cross listed 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	Principles of Meat Science & Muscle Biology (3 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)	

Revised 10/2018