

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

Animal & Veterinary Sciences, BS Preveterinary Medicine 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
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Freshman Fall Semester

			USP First-Year Seminar	3	C	FY
▲	CHEM	1020	General Chemistry I ¹	4		PN
▲	LIFE	1010	General Biology ²	4	C	PN
	MATH	1400	College Algebra ¹	3		Q
Credit hours subtotal:				14		

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
▲	LIFE	2022	Animal Biology	4	C	Spring only
	MATH	1405	Trigonometry	3		
Credit hours subtotal:				17		

Sophomore Fall Semester

			USP Human Culture	3	C	H
▲	CHEM	2420	Organic Chemistry I	4		
	PHYS	1110	General Physics I	4		
	MICR	2021	General Microbiology	4		
Credit hours subtotal:				15		

Sophomore Spring Semester

			USP Communication 2	3	C	C2
			USP Human Culture	3	C	H
▲	CHEM	2440	Organic Chemistry II	4		
	PHYS	1120	General Physics II	4		
	STAT	2050	Fundamentals of Statistics	3		Can substitute STAT 2070 (Intro Statistics for the Social Sciences).
Credit hours subtotal:				17		

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 - Preveterinary Medicine Option Program Notes:

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

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

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Animal & Veterinary Sciences, BS

Preveterinary Medicine Option



Sequence	Course Prefix	Course Number	Course Title	Credit Hours	Min Grade	Notes
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Junior Fall Semester

	LIFE	3050	Genetics	4		
	MICR	2220	Pathogenic Microbiology	3		
▲	MOLB	3610	Principles of Biochemistry	4	C	Offered fall and some summers
			Elective	6		
Credit hours subtotal:				<u>17</u>		

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
			Electives ⁺	8		
Credit hours subtotal:				<u>15</u>		

Senior Fall Semester

	ANSC	4120	Principles of Mammalian Reproduction	3		Fall only
	PATB	4110	Diseases of Food Animals	3	C	Fall only
	PATB	4710	Medical Virology	3		Fall only
	PATB	4500	Veterinary Parasitology	4		Fall only
	PATB	4400	Immunology	4		Fall only
Credit hours subtotal:				<u>17</u>		

Senior Spring Semester

▲	ANSC	4630	Topics and Issues in Animal Science	3	C	C3
			Livestock Production Elective ³	3		
			Upper Division Electives	4		
			Electives ⁴	6		
Credit hours subtotal:				<u>16</u>		

TOTAL CREDIT HOURS 128

Animal & Veterinary Sciences - Preveterinary Medicine Option Program Notes continued:

³ **Livestock Production Elective.** One course should be selected from the following:

- ANSC 3150 Equine Nutrition and Physiology (3 hrs)
- ANSC 4220 Advanced Beef Production & Management (3 hrs)
- ANSC 4230 Advanced Sheep Production & Management (3 hrs)

⁴ **Recommended Electives:**

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|---|---|
| ANSC 4050 Animal Growth & Development (3hrs) | PATB 4130 Mammalian Pathobiology (3 hrs) |
| ANSC 4111 Equine Health and Disease (3 hrs) | PATB 4170 Diseases of Wildlife (3 hrs) |
| <i>(Cross listed with PATB 4111)</i> | PATB 4360 Medical Entomology & Parasitology (3 hrs) |
| ANSC 4132 Equine Reproduction (2 hrs) | |
| ANSC 4150 Physiology of Ruminant Digestion (3 hrs) | |
| ANSC 4260 Mammalian Endocrinology (3 hrs) | |
| ANSC 4540 Principles of Animal Breeding (3 hrs) | |
| FDSC 3060 Principles of Meat Science (3 hrs) | |
| PATB 4001 Epidemiology (Diseases in Population) (3 hrs) | |