



**B.S. Animal & Veterinary Sciences
Pre-Veterinary Option
2020-2021 Catalog**

**University of Wyoming
B.S. Animal & Veterinary Sciences
Pre-Veterinary Option**

	cr	Min Grade	Notes
USP - University Studies Program Requirements			
USP: First Year Seminar	3		FYS
USP: Communications I ENGL 1010 College Composition and Rhetoric (Required in major)	3	C	C1
USP: Communications II	3	C	C2
USP: Communications III ANSC 4630 (Required in major)	3	C	C3 (ANSC 4630 or other C3 course)
USP: US & Wyoming Constitutions	3		V
USP: Human Culture	3		H
USP: Quantitative MATH 1400 College Algebra (Required in major)	3		Q
USP: Physical & Natural World LIFE 1010 General Biology (Required in major)	4	C	PN
CHEM 1020 General Chemistry I (Required in major)	4		PN
Credit hours subtotal:			32
Animal and Veterinary Science			
ANSC 3010 Comparative Anatomy and Physiology of Domestic Animals	4	C	
ANSC 3100 Principles of Animal Nutrition	3	C	
ANSC 4120 Principles of Mammalian Reproduction	3	C	
One course selected from the following:			
ANSC 3150 Equine Nutrition and Physiology	3		
ANSC 4220 Advanced Beef Production and Management			
ANSC 4230 Advanced Sheep Production Management			
ANSC 4250 Advanced Equine Production and Management			
PATB 4110 Diseases of Food Animals	3	C	
PATB 4400 Immunology	4		
PATB 4500 Veterinary Parasitology	4		
PATB 4710 Medical Virology	3		
Credit hours subtotal:			27
Agricultural Sciences			
MICR/MOLB 2021 General Microbiology	4		
MICR/PATB 2220	3		
MOLB 3610 Principles of Biochemistry	4		

Credit hours subtotal: 11

Additional Math and Science Courses

Statistics, choose one:			
STAT 2050 Fundamentals of Statistics	4		
STAT 2070 Introductory Statistics for the Social Sciences			
MATH 1405 Trigonometry	3		See Math note below.
LIFE 2022 Animal Biology	4	C	
LIFE 3050 Genetics	4		
CHEM 1030 General Chemistry II	4		
CHEM 2420 Organic Chemistry I	4		
CHEM 2440 Organic Chemistry II	4		
PHYS 1110 General Physics I	4		
PHYS 1120 General Physics II	4		

Credit hours subtotal: 35

General Electives

Elective	23		Electives should work to fulfill upper division requirement. See Suggested Electives below.
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Credit hours subtotal: 23

B.S. Animal & Veterinary Sciences, Pre-Veterinary Option

total credit total: 128

B.S. Animal & Veterinary Sciences, Pre-Veterinary Option Program Notes:

This option is especially designed to prepare students for application to colleges of veterinary medicine. There is a strong emphasis on the biological, biomedical and physical sciences. This curriculum is also appropriate for students wishing to pursue graduate school opportunities, other professional school applications or careers in many areas of agribusiness. A minimum of three years of formal coursework is required before one can apply to a college of veterinary medicine. Students accepted before completion of their B.S. degree can transfer credits back to UW to complete their degree requirements. WY does not have a college of veterinary medicine. Faculty advisors insure that students meet the variable pre-veterinary requirements for application to colleges of veterinary medicine.

A grade of C or better must be earned in the following courses when the courses are required in the individual Animal & Veterinary Sciences major option for completion of the degree: ANSC 3010, 3100, 4120, 4540, 4630, FDSC 3060, PATB 4110, 4111, LIFE 1010, 2022.

- The major requires students to earn a total of 128 credit hours; 42 credit hours or more must be at the 3000-level or above.
- See the "Prerequisite and MPE Cut Score Reference Chart" on the Math Placement website for the most up-to-date math placement equivalencies: <http://uwyo.edu/mathstats/math-placement>
- **Math:** Students may take MATH 1400 and MATH 1405 or MATH 1450.
- **Suggested Electives:** ANSC 4050, ANSC 4132, ANSC 4150, ANSC 4260, ANSC 4540, FDSC 3060, PATB 4001, PATB 4130, PATB 4170, PATB 4360, ANSC/PATB 4111.
- Students may not take a course for S/U credit to satisfy any requirement, unless the course is offered for S/U credit only.

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 single 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.

College of Agriculture and Natural Resources

- At least 30 hours in the major subject must be completed with a grade of C or better (individual majors may require more).

The University of Wyoming Office of the Registrar provides final approval of degree completion requirements prior to the awarding of any degree.

