



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

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

	cr	Min Grade	Notes
<b>USP - University Studies Program Requirements</b>			
<b>USP: First Year Seminar</b>	3		FYS
<b>USP: Communications I</b> ENGL 1010 College Composition and Rhetoric	3	C	C1
<b>USP: Communications II</b>	3	C	C2
<b>USP: Communications III</b> (ANSC 4630 built into major)		C	C3
<b>USP: US &amp; Wyoming Constitutions</b>	3		V
<b>USP: Human Culture</b>	3		H
	3		H
<b>USP: Quantitative</b> (MATH 1400 College Algebra)	3	C	Q
<b>USP: Physical &amp; Natural World</b> LIFE 1010 General Biology	4		PN
CHEM 1020 General Chemistry I	4		PN
<b>Credit hours subtotal:</b>			29
<b>Animal and Veterinary Science</b>			
ANSC 1010 Introduction to Animal Science	4		
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	
ANSC 4630 Topics and Issues in Animal Science	3	C	C3
PATB 4400 Immunology	4		
<b>Credit hours subtotal:</b>			21
<b>Agricultural Sciences</b>			
FDSC 3060 Principles of Meat Science and Muscle Biology	3	C	
<b>Choose one:</b> MICR/MOLB 2021 General Microbiology MICR/MOLB 2240 Medical Microbiology	4		
<b>Choose one sequence of 2 courses:</b> MOLB 3610 & MOLB 4100 (8 credits) MOLB 4600 & MOLB 4610 (6 credits)	6-8		MOLB 3610 Principles of Biochemistry MOLB 4100 Clinical Biochemistry MOLB 4600 Biochemistry 1 MOLB 4610 Biochemistry 2
<b>Credit hours subtotal:</b>			13
<b>Additional Math and Science Courses</b>			

<b>Statistics, choose one:</b>		
STAT 2050 Fundamentals of Statistics	4	
STAT 2070 Introductory Statistics for the Social Sciences		
<b>Mathematics, choose one:</b>		
MATH 1405 Trigonometry	3-5	
MATH 1450 Algebra and Trigonometry		
LIFE 2022 Animal Biology	4	C
LIFE 3050 Genetics	4	
CHEM 1030 General Chemistry II	4	
<b>Choose one:</b>		
CHEM 2300 Introductory Organic Chemistry (4 credits) or CHEM 2420 and 2440 Organic Chemistry I & II (8 credits)	4-8	
<b>Choose one:</b> PHYS 1050		
Concepts of Physics		
PHYS 1110 General Physics I		
PHYS 1120 General Physics II	4	
ZOO/PSYC 3600 Principles of Animal Behavior	3	
<b>Credit hours subtotal:</b>		30
<b>General Electives</b>		
Elective	29-35	Electives should work to fulfill upper division requirement.
<b>Credit hours subtotal:</b>		35
<b>B.S. Animal &amp; Veterinary Sciences, Animal Biology Option</b>		
<b>total credit total:</b>		128

### B.S. Animal & Veterinary Sciences, Animal Biology Option Program Notes:

This option requires more complete and stringent basic sciences. Students may complete pre-medical requirements or other pre-professional allied health requirements while completing a B.S. degree that prepares them for alternate career choices. Selected courses provide opportunity for more complete exposure in both biological sciences and pathobiology. Possible alternatives to professional schools include graduate school admission or employment by government or industry in research, promotion or sales.

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; 48 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>
- 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

If pursuing a minor in the College of Business, a grade of C or better must be earned in coursework applying to the minor as well as an overall GPA of 2.5 or better.

- 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.