



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

**University of Wyoming
B.S. Animal & Veterinary Sciences
Range Livestock 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
USP: US & Wyoming Constitutions	3		V
USP: Human Culture	3		H
	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 1000 Introduction to Chemistry (Required in major)	4		PN
Credit hours subtotal:			32
Animal and Veterinary Science			
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 2020 Feeds and Feeding	4		
ANSC 4120 Principles of Mammalian Reproduction	3	C	
ANSC 4150 Physiology of Ruminant Digestion	3		
ANSC 4220 Advanced Beef Production and Management	3		
Choose one:			
ANSC 4230 Advanced Sheep Production Management	3		
ANSC 3150 Equine Nutrition and Physiology			
ANSC 4540 Principles of Animal Breeding	3	C	
ANSC 4630 Topics and Issues in Animal Science	3		C3
PATB 4110 Diseases of Food Animals	3	C	
Credit hours subtotal:			33
Rangeland Ecology and Watershed Management			
REWM 2000 Principles of Rangeland Management	3		
REWM 2400 Range Ecosystems and Plants	4		

REWM 4000 Poisonous Plants and Plant Toxins	3		
REWM 4330 Rangeland Ecosystem Assessment and Monitoring	4		
LIFE 3400 General Ecology	3		
Credit hours subtotal:			17

Agricultural Sciences

FDSC 2040 Principles of Meat Animal Evaluation	3		
FDSC 3060 Principles of Meat Science and Muscle Biology	3	C	
AGEC 1020 Principles of Microeconomics	3		
AGEC 2020 Farm and Ranch Business Management	4		
Credit hours subtotal:			13

Additional Math and Science Courses

Statistics, choose one:			
STAT 2050 Fundamentals of Statistics	4		
STAT 2070 Introductory Statistics for the Social Sciences			
LIFE 2022 Animal Biology	4	C	
LIFE 3050 Genetics	4		
Choose one:			
ANSC 2010 Domestic Animal Metabolism			
CHEM 2300 Introductory Organic Chemistry	3-4		
Credit hours subtotal:			15-16

General Electives

Elective	17-18		Electives should work to fulfill upper division requirement.
Credit hours subtotal:			17-18

**B.S. Animal & Veterinary Sciences, Range Livestock Option
total credit total:**

128

B.S. Animal & Veterinary Sciences, Range Livestock Option Program Notes:

This option emphasizes range livestock management. Students interested in the management of livestock and range resources should enroll in this option.

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>
- 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.

