

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

Animal & Veterinary Sciences, BS Range Livestock 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
▲	ANSC	1010	Introduction to Animal Science	4		
	CHEM	1000	Introductory Chemistry ¹	4	C	PN
▲	LIFE	1010	General Biology ²	4	C	PN
Credit hours subtotal:				15		

Freshman Spring Semester

	AGEC	1020	Principles of Microeconomics	3	C	H, cross listed with ECON 1020
	ENGL	1010	College Composition and Rhetoric	3	C	C1
▲	LIFE	2022	Animal Biology	4	C	Spring only
	MATH	1400	College Algebra ¹	3	C	Q
			Elective ³	3		
Credit hours subtotal:				16		

Sophomore Fall Semester

			USP US & Wyoming Constitutions	3	C	V
			USP Human Culture	3	C	H
	AGEC	2020	Farm and Ranch Business Management	4		
	STAT	2050	Fundamentals of Statistics	4		Can substitute STAT 2070 (Intro Statistics for the Social Sciences).
			Elective ³	3		
Credit hours subtotal:				17		

Sophomore Spring Semester

			USP Communication 2	3	C	C2
			USP Human Culture	3	C	H
	ANSC	2020	Feeds and Feeding	4		Spring only
	FDSC	2040	Principles of Meant Animal Evaluation	3		
	REWM	2000	Principles of Rangeland Management	3	C	
Credit hours subtotal:				16		

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 - Range Livestock 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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Junior Fall Semester

	ANSC	2010	Domestic Animal Metabolism	3		Can substitute CHEM 2300 (Introductory Organic Chemistry)
	FDSC	3060	Principles of Meat Science & Muscle Biology	3	C	Fall only
	PATB	4110	Diseases of Food Animals	3	C	
	REWM	2400	Range Ecosystems & Plants	4		
			Livestock Production Elective ⁴	3		
Credit hours subtotal:				16		

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
	LIFE	3050	Genetics	4		
	REWM	4000	Poisonous Plants and Plant Toxins	3		
			Elective ³	3		
Credit hours subtotal:				17		

Senior Fall Semester

	ANSC	4120	Principles of Mammalian Reproduction	3	C	
	ANSC	4150	Physiology of Ruminant Digestion	3		
	ANSC	4540	Principles of Animal Breeding	3	C	
	LIFE	3400	General Ecology	3		
	REWM	4330	Rangeland Ecosystem Assessment and Monitoring	3		
Credit hours subtotal:				15		

Senior Spring Semester

▲	ANSC	4630	Topics and Issues in Animal Science	3	C	C3
	REWM	4900	Rangeland Management Planning	3		
			Upper Division Elective	3		
			Electives ³	7		
Credit hours subtotal:				16		

TOTAL CREDIT HOURS 128

Animal & Veterinary Sciences - Range Livestock Option Program Notes continued:

³ Recommended Electives (prerequisites for REWM 4900):

AGEC/ECON	1010	Principles of Macroeconomics (3 hrs)
REWM	4830	Ecological Applications for Wildland Management (3 hrs) (fulfills C2 requirement)
SOIL	2010	Introduction to Soil Science (3 hrs) (spring only)
SOIL	4120	Genesis, Morphology and Classification of Soils (4 hrs) OR
SOIL	4150	Forest and Range Soils (3 hrs)

⁴ One (1) **Livestock Production** course is required from the following:

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