

# Animal & Veterinary Science, BS

## Range Livestock Option



### University of Wyoming, 2016-17

Freshman Fall Semester			Hrs	Min	Grade	Notes
		USP First-Year Seminar	3		C	FY
ANSC	1010	Introduction to Animal Science	4			
CHEM	1000	Introductory Chemistry *	4			PN
LIFE	1010	General Biology **	4		C	PN
Credit hours subtotal:			<b>15</b>			

Freshman Spring Semester			Hrs	Min	Grade	Notes
AGEC	1020	Principles of Microeconomics	3			H; cross listed with ECON 1020.
ENGL	1010	College Composition and Rhetoric	3		C	C1
LIFE	2022	Animal Biology	4		C	
MATH	1400	College Algebra *	3		C	Q
Credit hours subtotal:			<b>13</b>			

Sophomore Fall Semester			Hrs	Min	Grade	Notes
		USP US & Wyoming Constitution	3			V
AGEC	2020	Farm and Ranch Business Management	4			
STAT	2050	Fundamentals of Statistics	4			Can substitute STAT 2070 (Intro Statistics for the Social Sciences).
		Electives ***	6			
Credit hours subtotal:			<b>17</b>			

Sophomore Spring Semester			Hrs	Min	Grade	Notes
		USP Communication 2	3		C	C2
		USP Human Culture	3			H
ANSC	2020	Feeds and Feeding	4			Can substitute ANSC 4100 (Nutritional Management).
FDSC	2040	Principles of Meat Animal Evaluation	3			
REWM	2000	Principles of Rangeland Management	3		C	
Credit hours subtotal:			<b>16</b>			

This is a guide for course work in the major; actual course sequence may vary by student. Please refer to the online student degree evaluation, and consult with an academic advisor. • Not all courses are offered every semester and some electives may have prerequisites. Students should review the 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 - Business Option Program Notes:

\* Requires MATH ACT  $\geq$  23, MATH SAT  $\geq$  600, Math Placement Exam  $\geq$  3, or  $\geq$  C grade in MATH 0925. (University Standard)

\*\* Requires MATH ACT  $\geq$  21, MATH SAT  $\geq$  600, Math Placement Exam  $\geq$  2, or  $\geq$  C grade in MATH 0921. (University Standard)

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#### Junior Fall Semester

	Hrs	Min Grade	Notes
ANSC 2010 Domestic Animal Metabolism	3		Can substitute CHEM 2300 (Introductory Organic Chemistry).
FDSC 3060 Principles of Meat Science & Muscle Biology	3	C	
PATB 4110 Diseases of Food Animals	3	C	
REWM 2500 Rangeland Plant Identification	3		
Livestock Production Elective ****	3		
Credit hours subtotal:		<b>15</b>	

#### Junior Spring Semester

	Hrs	Min Grade	Notes
ANSC 3010 Comp Anat and Phys of Domestic Animals	4	C	
ANSC 3100 Principles of Animal Nutrition	3	C	
LIFE 3050 Genetics	4		
REWM 4000 Poisonous Plants and Plant Toxins	3		
Elective ***	4		
Credit hours subtotal:		<b>18</b>	

#### Senior Fall Semester

	Hrs	Min Grade	Notes
ANSC 4120 Principles of Mammalian Reproduction	3	C	
ANSC 4150 Physiology of Ruminant Digestion	3		
ANSC 4540 Principles of Animal Breeding	3	C	
REWM 3500 Rangeland Plant Ecophysiology	3		
REWM 4330 Rangeland Ecosystem Assessment and Monitoring	3		
Credit hours subtotal:		<b>15</b>	

#### Senior Spring Semester

	Hrs	Min Grade	Notes
ANSC 4630 Topics and Issues in Animal Science	3	C C3	
REWM 4900 Rangeland Management Planning	3		
Livestock Production Elective ****	3		
Upper Division Elective ***	4		
Elective ***	3		
Credit hours subtotal:		<b>16</b>	

**TOTAL CREDIT HOURS: 125**

#### Animal & Veterinary Sciences - Range Livestock Option Program Notes con't:

\*\*\* **Recommended Electives** (prerequisites for REWM 4900):

AGEC/ECON	1010	Principles of Macroeconomics (3 hrs)
LIFE	3400	General Ecology (3 hrs)
REWM	3020	Nutritional Management of Grazing Ungulates (4 hrs)
REWM	4830	Ecological Applications for Wildland Management (3 hrs) (fulfills C2 requirement)
SOIL	2010	Introduction to Soil Science (3 hrs)
SOIL	4120	Genesis, Morphology and Classification of Soils (4 hrs) <b>OR</b>
SOIL	4150	Forest and Range Soils (3 hrs)

\*\*\*\* Two (2) **Livestock Production** courses are required 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)