

University of Wyoming Sample Four-Year Degree Plan
Catalog Year: 2019 - 2020

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 |
|-------------------------------|---------------|---------------|--------------------------------|--------------|-----------|-------|
| | | | USP First-Year Seminar | 3 | C | FY |
| ▲ | ANSC | 1010 | Introduction to Animal Science | 4 | | |
| ▲ | LIFE | 1010 | General Biology ¹ | 4 | C | PN |
| ▲ | MATH | 1400 | College Algebra | 3 | C | Q |
| Credit hours subtotal: | | | | 14 | | |

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 |
| | ANSC | 2020 | Feeds and Feeding | 4 | | Spring Only |
| | LIFE | 2022 | Animal Biology | 4 | | Spring Only |
| | | | Elective ³ | 3 | | |
| Credit hours subtotal: | | | | 17 | | |

Sophomore Fall Semester

| | | | | | | |
|-------------------------------|------|------|-------------------------------------|-----------|---|-----------|
| | | | USP US & Wyoming Constitutions | 3 | C | V |
| | | | USP Human Culture | 3 | C | H |
| ▲ | CHEM | 1000 | Introductory Chemistry ² | 4 | | Fall Only |
| | REWM | 2000 | Principles of Rangeland Management | 3 | | |
| | | | Elective ³ | 3 | | |
| Credit hours subtotal: | | | | 16 | | |

Sophomore Spring Semester

| | | | | | | |
|-------------------------------|------|------|---------------------------------------|-----------|---|-------------|
| | COJO | 2010 | Public Speaking | 3 | C | C2 |
| | | | USP Human Culture | 3 | C | H |
| | AGEC | 2020 | Farm and Ranch Business Management | 4 | | Spring Only |
| | FDSC | 2040 | Principles of Meant Animal Evaluation | 3 | | Spring Only |
| | LIFE | 3050 | Genetics | 4 | | |
| Credit hours subtotal: | | | | 17 | | |

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 Minimum grade of C in MATH 0925, or level 3 on the MPE, or ACT math score of 23 or above.

Notes continued on next page(s).

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Animal & Veterinary Sciences, BS

Range Livestock Option



| Sequence | Course Prefix | Course Number | Course Title | Credit Hours | Min Grade | Notes |
|----------|---------------|---------------|--------------|--------------|-----------|-------|
|----------|---------------|---------------|--------------|--------------|-----------|-------|

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 | Fall only |
| | REWM | 2400 | Range Ecosystems & Plants | 4 | | Fall only |
| | | | Livestock Production Elective ⁴ | 3 | | |
| Credit hours subtotal: | | | | <u>16</u> | | |

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 |
| | REWM | 4000 | Poisonous Plants and Plant Toxins | 3 | | Spring Only |
| | STAT | 2050 | Fundamentals in Statistics | 4 | | Can substitute STAT 2070 |
| | | | Elective ³ | 3 | | |
| Credit hours subtotal: | | | | <u>17</u> | | |

Senior Fall Semester

| | | | | | | |
|-------------------------------|------|------|---|------------------|---|-----------|
| | ANSC | 4120 | Principles of Mammalian Reproduction | 3 | C | Fall Only |
| | ANSC | 4150 | Physiology of Ruminant Digestion | 3 | | Fall Only |
| | ANSC | 4540 | Principles of Animal Breeding | 3 | C | Fall Only |
| | LIFE | 3400 | General Ecology | 3 | | Fall Only |
| | REWM | 4330 | Rangeland Ecosystem Assessment and Monitoring | 3 | | Fall Only |
| Credit hours subtotal: | | | | <u>15</u> | | |

Senior Spring Semester

| | | | | | | |
|-------------------------------|------|------|---|-------------------|---|-----------------------|
| ▲ | ANSC | 4630 | Topics and Issues in Animal Science | 3 | C | C3 |
| | ANSC | 4220 | Advanced Beef Production and Management | 3 | | |
| | | | Electives ³ | 10 | | REWM 4900 recommended |
| Credit hours subtotal: | | | | <u>16</u> | | |
| TOTAL CREDIT HOURS | | | | <u>128</u> | | |

Animal & Veterinary Sciences - Range Livestock Option Program Notes cont.:

³ Recommended **Electives** (prerequisites for REWM 4900):

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

⁴One (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) |
| ANSC | 4540 | Principles of Animal Breeding |