

Science Option

| Freshman Year | Credits | |
|--|---------|--------|
| | Fall | Spring |
| NRSM 101 - Natural Resource Conservation | 3 | |
| NRSM 102 - Montana Range Plants | 1 | |
| BIOB 170IN - Principles of Biological Diversity | 4 | |
| CHMY 141 - College Chemistry I & CHMY 142 - College Chemistry I Lab | 4 | |
| AGED 140US - Leadership Development for Agriculture or COMX 111US - Introduction to Public Speaking | 3 | |
| ANSC 100 - Introduction to Animal Science | | 3 |
| BIOB 160 - Principles of Living Systems | | 4 |
| CHMY 143 - College Chemistry II & CHMY 144 - College Chemistry II Lab | | 4 |
| University Core and Electives | | 4 |
| Year Total: | 15 | 15 |

| Sophomore Year | Credits | |
|---|---------|--------|
| | Fall | Spring |
| ANSC 202 - Livestock Feeding & Nutrition | 3 | |
| NRSM 240 - Natural Resource Ecology | 3 | |
| ECNS 101IS - Economic Way of Thinking | 3 | |
| M 161Q - Survey of Calculus | 4 | |
| BIOB 318 - Biometry or STAT 216Q - Introduction to Statistics | 3 | |
| ANSC 222 - Livestock in Sustain Systems | | 3 |
| ANSC 265 - Anatomy and Physiology of Domestic Animals - Lecture | | 3 |
| ANSC 266 - Anatomy and Physiology of Domestic Animals - Lab | | 1 |
| CHMY 211 - Elements of Organic Chemistry & CHMY 212 - Elements of Organic Chemistry Lab | | 5 |
| BMGT 205 - Prof Business Communication or WRIT 221 - Intermediate Tech Writing | | 3 |
| Year Total: | 16 | 15 |

| Junior Year | Credits | |
|--|---------|--------|
| | Fall | Spring |
| ANSC 320 - Animal Nutrition | 3 | |
| ANSC 321 - Physiology of Animal Reproduction | 4 | |
| BCH 380 - Biochemistry & BCH 381 - Biochemistry Lab | 5 | |
| Restricted Electives | 3 | |
| ANSC 322 - Principles of Animal Breeding and Genetics | | 3 |
| BIOM 360 - General Microbiology | | 5 |
| University Core and Electives | | 3 |
| Restricted Electives | | 3 |
| Year Total: | 15 | 14 |

| Senior Year | Credits | |
|--------------------------------|---------|--------|
| | Fall | Spring |
| Restricted Electives | 6 | |
| University Core and Electives | 9 | |
| Livestock Management Electives | | 8 |

| | | |
|--|----|------------|
| ANSC 498 - Internship or ANSC 490R - Undergraduate Research | | 3 |
| University Core and Electives | | 4 |
| Year Total: | 15 | 15 |
| Total Program Credits: | | 120 |

Livestock Management Electives

| Take 2 courses | | |
|----------------|------------------------|---|
| ANSC 316 | Meat Science | 4 |
| ANSC 432R | Sheep Management | 3 |
| ANSC 434R | Beef Cattle Management | 4 |
| EQUUS 430 | Horse Management | 4 |

Restricted Electives

| Select 12 credits | | |
|-------------------|---|---|
| ANSC 337 | Disease of Domestic Livestock | 3 |
| ANSC 421 | Assisted Reproduction Technologies w/ Lab | 4 |
| BIOB 375 | General Genetics | 3 |
| BIOB 410 | Immunology | 3 |
| BIOB 424 | Ethical Practice of Science | 3 |
| BIOE 405 | Behavioral and Evolutionary Ecology | 3 |
| BIOH 323 | Human Developmental Biology | 4 |
| BIOM 405 | Host-Associated Microbiomes | 3 |
| BIOM 410 | Microbial Genetics | 3 |
| BIOM 427 | General Parasitology | 4 |
| BIOM 435 | Virology | 3 |
| BIOO 310 | Comparative Vertebrate Anatomy | 4 |
| BIOO 412 | Animal Physiology | 3 |
| PHSX 205 | College Physics I | 4 |
| PHSX 207 | College Physics II | 4 |

A minimum of 120 credits is required for graduation; 42 of these credits must be in courses numbered 300 and above. University core requirements must be completed.