# Sustainable Livestock Production Option

## Freshman Year | Credits
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ANSC 100 - Introduction to Animal Science | 3
NRSM 101 - Natural Resource Conservation | 3
NRSM 102 - Montana Range Plants | 1
SFBS 146 - Introduction to Sustainable Food and Bioenergy Systems | 3
BIOB 160 - Principles of Living Systems | 4
CHMY 121IN - Introduction to General Chemistry & CHMY 122IN - Introduction to General Chemistry Lab | 4
ENSC 110 - Land Resources and Environmental Sciences | 3
BIOB 110CS - Introduction to Plant Biology | 3
WRITE 101W - College Writing I | 3
COMX 111US - Introduction to Public Speaking (formerly COM 110US) or AGED 140US - Leadership Dev For Agriculture | 3

Year Total: 30

## Sophomore Year | Credits
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ANSC 202 - Livestock Feeding | 3
ANSC 222 - Livestock in Sustain Systems | 3
CHMY 123 - Introduction to Organic Chemistry and Biochemistry & CHMY 124 - Introduction to Organic and Biochemistry Lab | 4
NUTR 221CS - Basic Human Nutrition | 3
ENSC 245IN - Soils | 3
ANSC 265 - Anatomy and Physiology of Domestic Animals - Lecture | 3
ANSC 266 - Anatomy and Physiology of Domestic Animals - Lab | 1

Choose one of the following: 1-2
- ANSC 205 - Intro to Meat Evaluation
- ANSC 232 - Livestock Management - Sheep I
- ANSC 234 - Livestock Management - Beef I
- NUTR 235 - Range and Pasture Monitoring
- BMGT 205 - Prof Business Communication or WRIT 221 - Intermediate Tech Writing
- ECNS 101IS - Economic Way of Thinking or STAT 216Q - Introduction to Statistics

Year Total: 33

## Junior Year | Credits
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AGBE 310S - Economics of Ag Business | 3
ANSC 316 - Meat Science | 4
ECHM 205CS - Energy and Sustainability | 3

Choose two of the following: 6-8
- ANSC 320 - Animal Nutrition
- ANSC 321 - Physiology of Animal Reproduction
- ANSC 322 - Principles of Animal Breeding and Genetics
- ANSC 337 - Disease of Domestic Livestock
- ECNS 202 - Principles of Macroeconomics or ECNS 204IS - Microeconomics

Choose one of the following: 3
- ANSC 321 - Economics of Ag Marketing
- AGBE 337 - Agricultural Law
- AGBE 345 - Ag Finance and Credit Analysis
- AGBE 353 - Co-operative Business Principles and Practice
- BGEN 361 - Principles of Business Law
- BMGT 335 - Management and Organization
- BMKT 325 - Principles of Marketing

Choose one of the following: 3
- AGSC 341 - Field Crop Production
- AGSC 342 - Forages
- AGSC 428 - Cropping Systems and Sustainable Agriculture
- NRSM 353 - Grazing Ecology and Management

Choose one of the following: 3
- BGEN 242D - Intro to Int’l Business
- NASX 232D - MT Indians: Cultures, Histories, Current Issues
- PSCI 230D - Introduction to International Relations
- University Core (IA or IH) | 3

Year Total: 31

## Senior Year | Credits
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AGBE 416R - Meat Processing | 3
ANSC 498 - Internship | 3
ANSC 432R - Sheep Management or ANSC 434R - Beef Cattle Management | 3-4
NUTR 351 - Nutrition and Society | 3
SFBS 445R - Culinary Marketing: Farm/Table or SFBS 451R - Sustainable Food Systems | 3
SFBS 499 - Senior Thesis/Capstone | 3

Choose one of the following: 2-3
- AGSC 401 - Integrated Pest Management
- BIOE 375 - Ecological Responses to Climate Change
- ENSC 353 - Environmental Biogeochemistry
- ENSC 443 - Weed Ecology and Management

Choose one of the following: 3-4
- NASX 415 - Native Food Systems
- NRSM 421 - Holistic Thought/Mgmt
- PSCI 436 - Politics of Food & Hunger
- SFBS 429 - Small Business and Entrepreneurship in Food and Health

Choose one of the following: 3-4
- NASX 415 - Native Food Systems
- NRSM 421 - Holistic Thought/Mgmt
- PSCI 436 - Politics of Food & Hunger
- SFBS 429 - Small Business and Entrepreneurship in Food and Health

Choose one of the following: 3
- AGER 205 - Intro to Meat Evaluation
- AGSC 232 - Livestock Management - Sheep I
- ANSC 234 - Livestock Management - Beef I
- NUTR 235 - Range and Pasture Monitoring
- BMGT 205 - Prof Business Communication or WRIT 221 - Intermediate Tech Writing
- ECNS 101IS - Economic Way of Thinking or STAT 216Q - Introduction to Statistics

University Core and Electives (IA or IH) | 4

Year Total: 29-30

Total Program Credits: 120