

MAJOR IN LIVESTOCK BUSINESS MANAGEMENT, ANIMAL SCIENCES CONCENTRATION

Requirements Effective Fall 2025

Freshman

| | | AUCC | Credits |
|--|--|------|--------------|
| ANEQ 101 | Food Animal Science | | 4 |
| ANEQ 105 | Introduction to Large Animal Anatomy | | 1 |
| AREC 192 | Orientation to Agricultural and Resource Econ | | 1 |
| AREC 202 | Agricultural and Resource Economics (GT-SS1) | 3C | 3 |
| CO 150 | College Composition (GT-CO2) | 1A | 3 |
| LBM 133 | Introduction to Livestock Business Management | | 1 |
| LIFE 102 | Attributes of Living Systems (GT-SC1) | 3A | 4 |
| MATH 117 | College Algebra in Context I (GT-MA1) | 1B | 1 |
| MATH 118 | College Algebra in Context II (GT-MA1) | 1B | 1 |
| MATH 124 | Logarithmic and Exponential Functions (GT-MA1) | 1B | 1 |
| Select one course from the following: | | | 3-4 |
| AREC 230 | Agricultural Data Management and Analysis | | |
| BUS 150 | Business Computing Concepts and Applications | | |
| CS 110 | Personal Computing | | |
| Select one course from the following: | | | 4 |
| CHEM 107 | Fundamentals of Chemistry (GT-SC2) | 3A | |
| CHEM 111 | General Chemistry I (GT-SC2) | 3A | |
| 1C (http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#aucc) | | | 3 |
| Total Credits | | | 30-31 |

Sophomore

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|---|---|----|-----------|
| ACT 205 | Fundamentals of Accounting | | 3 |
| ANEQ 305 | Functional Large Animal Physiology | | 3 |
| ANEQ 328 | Foundations in Animal Genetics | | 3 |
| AREC 310 | Food and Agricultural Markets | | 3 |
| LBM 233 | Leadership in the Livestock Industry | | 2 |
| SPCM 200 | Public Speaking | | 3 |
| Select one course from the following: | | | 3 |
| STAT 201 | General Statistics (GT-MA1) | 1B | |
| STAT 301 | Introduction to Applied Statistical Methods | | |
| Arts and Humanities (http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#arts-humanities) | | | 6 |
| Historical Perspectives (http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#historical-perspectives) | | | 3 |
| Total Credits | | | 29 |

Junior

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| ANEQ 320 | Principles of Animal Nutrition | 4B | 3 |
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| AREC 305 | Agricultural and Resource Enterprise Analysis | | 3 |
| LBM 333A | Livestock Business Engaged Research: Proposal Development | | 1 |
| LBM 333B | Livestock Business Engaged Research: Field Experience | | 1 |
| Ag Business Choice Block - Select a minimum of 6 credits from the following: | | | 6 |
| AREC 222 | Economics of Food Systems (GT-SS1) | 1C | |
| AREC 224 | Introduction to Agribusiness Entrepreneurship | | |
| AREC 311 | Agricultural and Resource Product Marketing | | |
| AREC 325 | Personnel Management in Agriculture | | |
| AREC 330 | Data-Driven Ag and Res Econ Decision Making | | |
| AREC 340/ECON 340 | Introduction-Economics of Natural Resources | | |
| AREC 341 | Environmental Economics | | |
| AREC 342 | Water Law, Policy, and Institutions | | |
| AREC 346/ECON 346 | Economics of Outdoor Recreation | | |
| AREC 375 | Agricultural Law | | |
| AREC 415 | International Agricultural Trade | | |
| AREC 419 | Commodity Market Trading Experience | | |
| AREC 422 | Food Supply Chain Management | | |
| AREC 454/REL 454 | Real Estate Appraisal | | |
| AREC 460 | Ag- and Resource-Based Economic Development | | |
| AREC 461A | Study Abroad-Italy: Economics of the Renaissance in Modern Italy | | |
| AREC 461B | Study Abroad-Italy: Food and Resource Economics | | |
| AREC 478 | Agricultural Policy | | |
| Any Ag Business Analytic courses not chosen in Senior year may also be used in this block. | | | |
| Animal Science Choice Block - select a minimum of 9 credits total from the following: | | | 9 |
| AN EQ 250 | Live Animal and Carcass Evaluation | | |
| AN EQ 310 | Animal Reproduction | 4B | |
| AN EQ 313 | Prevention and Control of Livestock Diseases | | |
| AN EQ 330 | Principles of Animal Breeding | 4B | |
| AN EQ 360 | Principles of Meat Science | 4B | |
| AN EQ 410 | Applied Food Animal Behavior | | |
| AN EQ 448 | Sustainable Animal Agriculture | | |
| AN EQ 460 | Meat Safety | | |
| SOCR 320 or RS 300 | Sustainable Forage Management for Livestock Rangeland Conservation and Stewardship | | |
| Up to two Production Systems courses not chosen in Senior year may be used in this block. | | | |
| Advanced Writing (http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#advanced-writing) | | 2 | 3 |
| Elective | | | 3 |
| Total Credits | | | 29 |
| Senior | | | |
| AREC 428 | Agricultural Business Management | 4A,4C | 3 |
| AREC 492 | Senior Seminar in Ag and Resource Economics | | 1 |
| LBM 333C | Livestock Business Engaged Research: Communications | | 1 |
| LBM 433 | Integrated Livestock Business Mgt Workshop | 4A,4C | 1 |
| Ag Business Analytic Courses - Select two courses from the following: | | | 6 |
| AREC 405 | Agricultural Production Management | | |
| AREC 408 | Agricultural Finance | | |
| AREC 412 | Agricultural Commodities Marketing | | |
| Production System Courses - Select two courses from the following: | | | 6-7 |
| AN EQ 470 | Meat Processing Systems | | |
| AN EQ 472 | Sheep Systems | | |

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| ANEQ 473 | Dairy Systems | |
| ANEQ 474 | Swine Systems | |
| ANEQ 476 | Feedlot Systems | |
| ANEQ 478 | Beef Systems | |
| Ag Business Choice Block (see Junior year list): | | 3 |
| Animal Science Choice Block (see Junior year list): | | 3 |
| Business-focused Elective ¹ | | 3 |
| Livestock-focused Elective ² | | 3 |
| Elective ³ | | 0-2 |
| Total Credits | | 31-32 |
| Program Total Credits: | | 120 |

¹ Select from upper division courses in ACT, AREC, BUS, ECON, FIN, MGT, MKT, or REL.

² Select from upper division courses in AB, ANEQ, BMS, LIFE, MIP, RS, SOCR.

³ Select enough elective credits to bring the program total to a minimum of 120 credits, of which at least 42 must be upper-division (300- to 400-level).