

Department of Agricultural and Applied Economics
LIVESTOCK BUSINESS MANAGEMENT OPTION
 Course Requirements Check List 2015-16 Catalog

Student _____ Advisor _____ Initial Date of Program _____

| | Sem. | Gr. | Cr. | Upper Level | | Sem. | Gr. | Cr. | Upper Level |
|--|-------|-------|-------|-------------|---|-------|-------|-------|-------------|
| UNIVERSITY STUDIES REQUIREMENTS | | | | | Agricultural Economics (18 hrs upp-div AGEC⁶) | | | | |
| I) BASIC SKILLS (34 hrs) | | | | | AGEC 1010 | 3 hrs | _____ | _____ | _____ |
| A) First-Year Seminar | | | | | AGEC 1020 | 3 | _____ | _____ | _____ |
| FYS ^{1,2} | 3 hrs | _____ | _____ | _____ | AGEC 2020 | 4 | _____ | _____ | _____ |
| B) COMMUNICATION | | | | | AGEC 4640 | 3 | _____ | _____ | _____ |
| COM1-ENGL 1010 ^{2,3} | 3 | _____ | _____ | _____ | AGEC 3400 or 4710 | 3 | _____ | _____ | _____ |
| COM2-AGEC 3020 ^{2,3,4} | 3 | _____ | _____ | _____ | AGEC 4060 | 3 | _____ | _____ | _____ |
| OR INTERMED COMP | 3 | _____ | _____ | _____ | AGEC 4050 or MKT 3210 | 3 | _____ | _____ | _____ |
| AND COJO 1010 | 3 | _____ | _____ | _____ | AGEC 4830 or 4840 ⁷ | 3 | _____ | _____ | _____ |
| COM3-AGEC 4965 or 4970 ² | 3 | _____ | _____ | _____ | AGEC 4880 or 4280 or ECON 4720 | 3 | _____ | _____ | _____ |
| C) QUANTITATIVE REASONING | | | | | AGEC 4500 | 3 | _____ | _____ | _____ |
| Q-MATH 1400 ² | 3 | _____ | _____ | _____ | QUANTITATIVE SKILLS (9 hrs min.) | | | | |
| Q-MATH 2350 | 4 | _____ | _____ | _____ | STAT 2050 or 2070 ³ | 4 | _____ | _____ | _____ |
| II) PHYS & NATL WORLD⁵ (6 hrs of PN) | | | | | COSC 1200 or AGRI 1010 or IMGT 2400 ⁸ | 3 | _____ | _____ | _____ |
| CHEM 1000 | 4 | _____ | _____ | _____ | AGEC 4230 or 4840, or STAT 3050 | 3 | _____ | _____ | _____ |
| LIFE 1010 | 4 | _____ | _____ | _____ | or IMGT 2400 or 3400 | | | | |
| III) HUMAN CULTURE⁵ (6 hrs of H) | | | | | or MATH 2355 or ACCT 1010&1020 | | | | |
| _____ | 3 | _____ | _____ | _____ | SUPPORTING ECONOMICS (3 hrs min.) | | | | |
| _____ | 3 | _____ | _____ | _____ | ECON 3020 | 3 | _____ | _____ | _____ |
| IV) U.S. AND WYOMING CONSTITUTION (3 hrs of V) | | | | | | | | | |
| _____ | 3 | _____ | _____ | _____ | BIOLOGY of Livestock Production (36-37 hrs) | | | | |
| | | | | | Take 36 cr of courses in left column below to earn ANVS MINOR [plus LIFE 1010 and CHEM 1000, which count as PN]. For Livestock Option WITHOUT the minor take the 37 cr in the right column. | | | | |
| | | | | | MINOR⁹ | | | | |
| | | | | | LIFE 2022 | 4 | _____ | _____ | _____ |
| | | | | | ANSC 3010 | 4 | _____ | _____ | _____ |
| | | | | | ANSC 4120 | 3 | _____ | _____ | _____ |
| | | | | | ANSC 2010 | 3 | _____ | _____ | _____ |
| | | | | | ANSC 3100 | 3 | _____ | _____ | _____ |
| | | | | | LIFE 3050 | 4 | _____ | _____ | _____ |
| | | | | | ANSC 4540 | 3 | _____ | _____ | _____ |
| | | | | | ANSC 3150 | 3 | _____ | _____ | _____ |
| | | | | | or 4220 or | | | | |
| | | | | | 4230 or 4240 | | | | |
| | | | | | PATB 4110 | 3 | _____ | _____ | _____ |
| | | | | | PATB 4110 or | | | | |
| | | | | | REWM 4000 | | | | |
| | | | | | FDSC 2040 ¹¹ | 3 | _____ | _____ | _____ |
| | | | | | FDSC 3060 | 3 | _____ | _____ | _____ |
| | | | | | FDSC 2040 | | | | |
| | | | | | FDSC 3060 | | | | |
| | | | | | Electives to earn 120 cr & 48 upper-div (as needed), | | | | |
| | | | | | e.g., REWM 4150, 4330, 4850; PLNT 3200; | | | | |
| | | | | | AGEC 4700; ENR 4500 | | | | |
| | | | | | TOTAL (120 hrs minimum) | | | | _____ |
| | | | | | TOTAL UPPER (48 hrs upper-division minimum) | | | | _____ |

LIVESTOCK BUSINESS MAJOR

NOTES FOR ADVISORS

- 1 Transfer students who earn an AA, AS or AB are waived from all USP requirements except COM3, V, and departmental reqs (MATH 1400 & 2350). FYS is waived for transfer students with 30 or more credits earned after HS, or 1 full year completed at another college (but less than 30 credits completed). COM3 automatically fulfills old I, L reqs.
- 2 Must earn a C or better.
- 3 Or equivalent course.
- 4 A transfer student may fulfill COM2 with an intermediate composition course **and** a public speaking course.
- 5 PN & H may not be fulfilled by AGECE courses or any course cross-listed with AGECE.
For the H requirement, language courses are strongly encouraged (e.g., SPAN 1010, FREN 1010, etc.)
- 6 18 hours of upper-division, not including AGECE 4965 or 4970.
- 7 AGECE 4840 may not be double-counted towards both Ag Economics and Quant Skills.
- 8 Suggest COSC 1200 for most, or AGRI 1010 (for inexperienced users), or IMGT 2400 (for advanced users).
- 9 Must earn a C or better in all courses required in the minor to earn the minor.
- 10 Courses identified for the non-minor option represent the most relevant livestock-related courses. However, if scheduling conflicts or other needs arise, advisors may petition for substitutions (except those in bold).
- 11 FDSC 2040 is not actually required for the minor, but is recommended b/c of its relevance to all sectors of the livestock industry. Advisors may petition a substitution if it fits a student's needs better.

COURSE NUMBERS & NAMES

| | | | Semesters Offered |
|------|-----------|--|-------------------|
| AGEC | 1000 | Orientation | F |
| AGEC | 1010 | Principles of Macroeconomics | F,S |
| AGEC | 1020 | Principles of Microeconomics | F,S |
| AGEC | 2020 | Farm and Ranch Management (record keeping) | F |
| AGEC | 3400 | Agricultural Law | F,S |
| AGEC | 3860 | Econ of World Food & Ag | F |
| AGEC | 4050 | Agribusiness Marketing | n/a |
| AGEC | 4060 | Agribusiness Management | F |
| AGEC | 4230 | Intermediate Econometric Theory | S |
| AGEC | 4280 | International Food & Farm (month in France) | Sum |
| AGEC | 4500 | Agricultural Finance | S |
| AGEC | 4640 | Advanced Farm & Ranch Management (production economics, LP) | S |
| AGEC | 4710 | Natural Resource Law & Policy | F |
| AGEC | 4830 | Ag Commodities & Futures | S |
| AGEC | 4840 | Ag Market Analysis (imperfect competition, demand analysis) | F |
| AGEC | 4880 | International Trade | F |
| AGEC | 4890 | Sp Topics: Rural Banking | F |
| AGEC | 4950 & 60 | Senior Seminar I & II | F,S |
| AGEC | 4565 | Ag Business Strategy & Ethics | F |
| ANSC | 1000 | Intellectual Community in Animal and Vet Sciences | F |
| ANSC | 1010 | Livestock Production | F |
| ANSC | 2010 | Domestic Animal Metabolism | S |
| ANSC | 2020 | Feeds and Feeding | S |
| ANSC | 3010 | Comparative Anatomy and Physiology of Domestic Animals | S |
| ANSC | 3100 | Principles of Animal Nutrition | S |
| ANSC | 3150 | Equine Nutrition and Physiology | F |
| ANSC | 4050 | Animal Growth and Development | ?? |
| ANSC | 4100 | Nutritional Management | F |
| ANSC | 4120 | Principles of Mammalian Reproduction | F,S |
| ANSC | 4220 | Advanced Beef Production and Management | S |
| ANSC | 4540 | Principles of Animal Breeding | F |
| ENR | 4500 | Risk Analysis (Monte Carlo simulation to account for variability & uncertainty) | |
| FDSC | 2040 | Principles of Meat Animal Evaluation | |
| FDSC | 3060 | Principles of Meat Science | |
| IMGT | 2400 | Introduction to Information Management (building and managing info systems) | |
| IMGT | 3400 | Database Management Systems (database design, queries, etc) | |
| LIFE | 2022 | Animal Biology | |
| LIFE | 3050 | Genetics | |
| MATH | 1400 | College Algebra | |
| MATH | 2350 | Business Calculus | |
| MATH | 2355 | Math Applications for Business (LP, finance, prob, stats, spreadsheets; prereq: C in 2350) | |
| PATB | 4110 | Diseases of Food Animals and Horses | |
| PLNT | 3200 | Forage Crop Science | |
| REWM | 2000 | Principles of Rangeland Management | |
| REWM | 3020 | Nutritional Management of Grazing Ungulates | |
| REWM | 4000 | Poisonous Plants and Plant Toxins | |
| REWM | 4150 | Behavior Modification for Production of Grazing Herbivores | |
| REWM | 4330 | Rangeland Ecosystem Assessment and Monitoring | |
| REWM | 4850 | Rangeland Vegetation Management Techniques | |
| STAT | 3050 | Statistical Methods - General (multiple variable methods; statistical software) | |

PREREQS & Timing

| Nutrition Courses | Semester | Repro & Phys Courses | Semester | Breeding, Genetics, Mgmt | Semester |
|--------------------------|----------|---------------------------------|----------|---------------------------------|----------|
| CHEM 1000 | F | LIFE 1010 | F,S | LIFE 1010 | F,S |
| ANSC 2010 | S | LIFE 2022 | S | LIFE 2022 | S |
| ANSC 3100 | S | ANSC 3010 | S | LIFE 3050 | F,S |
| ANSC 4100 | F | ANSC 4120 | F,S | ANSC 4540 | F |
| | | ANSC 4130 (optional) | S | ANSC 4220 | S |