

“W” Number: _____
Student Name: _____
Advisor Name: _____

Catalog: 2021-2022 University of Wyoming Catalog
Program: Agricultural Business, Livestock Business
Management Option, B.S.

Agricultural Business, Livestock Business Management Option, B.S.

This curriculum is for students intending to work in any sector of the livestock and meat industry, ranging from input suppliers, to ranches, feedlots, meat packing companies, marketing and sales agents, futures/commodities exchange groups, policy makers, and international trade organizations. In this option, courses in farm and ranch management, agricultural finance, marketing, and trade are supplemented with courses in animal science, biology, range management, food science, data analysis, and other disciplines. Students may pursue a minor in Animal Science as part of this option, but can choose the non-minor version instead. Students will gain a broad understanding of both the business and science of the livestock industry.

Minimum Course Requirements

¹A minimum of 42 credits must be at the 3000 and 4000 level for graduation. At least 30 of the 42 credits must be earned from UW.

- First-Year Seminar Credits: 3 ² (FYS)
- Human Culture Credits: 6 ³ (H)
- U.S. & Wyoming Constitutions Credits: 3 (V)
- Electives Credits: 3-4

Writing - Communication: 9 Hours

²Must earn a “C” or better.

Course Name	Credits:	Term Taken	Grade	Gen Ed
<ul style="list-style-type: none"> • COM1 ² • COM2 ² 				
AGEC4965 - Agribusiness Entrepreneurship (COM3)	Credits: 3			
OR				
AGEC4970 - Technical Communication for Agribusiness ² (COM3)	Credits: 3			

Quantitative (Q): 7 Hours

Course Name	Credits:	Term Taken	Grade	Gen Ed
MATH1400 - College Algebra ²	Credits: 3			
MATH2350 - Business Calculus	Credits: 4			

Science (PN): 8 Hours

³PN and H may not be fulfilled by AGECE or ECON courses.

Course Name	Credits:	Term Taken	Grade	Gen Ed
CHEM1000 - Introductory Chemistry	Credits: 4			
LIFE1010 - General Biology	Credits: 4			

Agricultural Economics: 31 Hours

⁴31 credits in Ag Econ beyond those earned to satisfy University Studies requirements; 21 of these 31 credit hours must be earned at the 3000-4000 level.

Course Name	Credits:	Term Taken	Grade	Gen Ed
AGEC1010 - Principles of Macroeconomics	Credits: 3			
AGEC1020 - Principles of Microeconomics	Credits: 3			
AGEC2020 - Farm and Ranch Business Management	Credits: 4			
AGEC4640 - Advanced Farm/Ranch Management	Credits: 3			
AGEC3400 - Agricultural Law	Credits: 3			
OR				
AGEC4710 - Natural Resource Law and Policy	Credits: 3			
AGEC4060 - Agribusiness Management	Credits: 3			
AGEC4050 - Agribusiness Marketing	Credits: 3			
OR				

MKT3210 - Introduction to Marketing	Credits: 3			
AGEC4830 - Agricultural Commodities and Futures Markets	Credits: 3			
OR				
AGEC4840 - Agricultural Market Analysis ⁵	Credits: 3			
AGEC4880 - International Agricultural Trade, Markets and Policy	Credits: 3			
OR				
AGEC4280 - International Food and Farm Cultures	Credits: 3			
OR				
ECON4720 - International Trade	Credits: 3			
AGEC4500 - Agricultural Finance	Credits: 3			

Additional Quantitative Skills: 10 Hours

Course Name	Credits:	Term Taken	Grade	Gen Ed
STAT2050 - Fundamentals of Statistics	Credits: 4			
OR				
STAT2070 - Introductory Statistics for the Social Sciences	Credits: 4			
COSC1200 - Computer Information Systems	Credits: 3			
OR				
IMGT1400 - Introduction to Business Analytics ⁶	Credits: 3			
OR				
• AGRI 1010 ⁶				
AGEC4230 - Intermediate Econometric Theory	Credits: 3			
OR				
AGEC4840 - Agricultural Market Analysis	Credits: 3			
OR				
STAT3050 - Statistical Methods	Credits: 3			
OR				
• IMGT1400 - Introduction to Business Analytics Credits: 3				
OR				
IMGT3400 - Database Management Systems	Credits: 3			
OR				
MATH2355 - Mathematical Applications for Business	Credits: 4			
OR				
ACCT2010 - Principles of Accounting I	Credits: 3			
OR				
ACCT2020 - Principles of Accounting II	Credits: 3			

Biology of Livestock: 17 Hours

Course Name	Credits:	Term Taken	Grade	Gen Ed
LIFE3050 - Genetics	Credits: 4			
FDSC2040 - Principles of Meat Animal Evaluation	Credits: 3			
FDSC3060 - Principles of Meat Science and Muscle Biology	Credits: 3			
ANSC4540 - Principles of Animal Breeding	Credits: 3			
LIFE2022 - Animal Biology	Credits: 4			

Additional Biology of Livestock

For Animal Science minor: 19 Hours

⁷Must earn a "C" or better in all courses required in the minor to earn the minor.

Course Name	Credits:	Term Taken	Grade	Gen Ed
ANSC2010 - Domestic Animal Metabolism	Credits: 3			
ANSC3010 - Comparative Anatomy and Physiology of Domestic Animals	Credits: 4			

ANSC3100 - Principles of Animal Nutrition	Credits: 3			
ANSC4120 - Principles of Mammalian Reproduction	Credits: 3			
PATB4110 - Diseases of Food Animals	Credits: 3			
ANSC3150 - Equine Nutrition and Physiology	Credits: 3			
OR				
ANSC4220 - Advanced Beef Production and Management	Credits: 3			
OR				
ANSC4230 - Advanced Sheep Production & Management	Credits: 3			
OR				
ANSC4240 - Advanced Swine Production and Management	Credits: 3			

For Non-minor: 20 Hours

Course Name	Credits:	Term Taken	Grade	Gen Ed
ANSC1010 - Introduction to Animal Science	Credits: 4			
ANSC2020 - Feeds and Feeding	Credits: 4			
ANSC4050 - Animal Growth and Development	Credits: 3			
REWM2000 - Principles of Rangeland Management	Credits: 3			
REWM4100 - Nutritional Ecological Management of Range Herbivores	Credits: 3			
REWM4000 - Poisonous Plants and Plant Toxins	Credits: 3			
OR				
PATB4110 - Diseases of Food Animals	Credits: 3			

Supporting Economics: 3 Hours

Course Name	Credits:	Term Taken	Grade	Gen Ed
ECON3020 - Intermediate Microeconomics	Credits: 3			

Total: 120 Hours

²Must earn a "C" or better.

⁵AGEC 4840 may not be double-counted towards both Agricultural Economics and Quantitative Skills.

⁶Suggest COSC 1200 for most, or IMGT 1400 (for advanced users).

⁷Must earn a "C" or better in all courses required in the minor to earn the minor.

Notes: