

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)		1C	3
Total Credits			30-31

Sophomore

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)		3B	6
Historical Perspectives (http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#historical-perspectives)		3D	3
Total Credits			29

Junior

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		

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).

Major Completion Map

Freshman

Semester 1		Critical	Recommended	AUCC	Credits
ANEQ 101	Food Animal Science	X			4
AREC 192	Orientation to Agricultural and Resource Econ	X			1
AREC 202	Agricultural and Resource Economics (GT-SS1)	X		3C	3
LIFE 102	Attributes of Living Systems (GT-SC1)	X		3A	4
MATH 117	College Algebra in Context I (GT-MA1)	X		1B	1
MATH 118	College Algebra in Context II (GT-MA1)	X		1B	1
MATH 124	Logarithmic and Exponential Functions (GT-MA1)	X		1B	1
Total Credits					15

Semester 2		Critical	Recommended	AUCC	Credits
ANEQ 105	Introduction to Large Animal Anatomy	X			1
CO 150	College Composition (GT-CO2)	X		1A	3
LBM 133	Introduction to Livestock Business Management	X			1
Select one course from the following:		X			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:		X			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)			X	1C	3
Total Credits					15-16

Sophomore

Semester 3		Critical	Recommended	AUCC	Credits
ANEQ 305	Functional Large Animal Physiology	X			3
AREC 310	Food and Agricultural Markets	X			3
LBM 233	Leadership in the Livestock Industry	X			2
Arts and Humanities (http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#arts-humanities)			X	3B	3
Historical Perspectives (http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#historical-perspectives)			X	3D	3
Total Credits					14

Semester 4		Critical	Recommended	AUCC	Credits
ACT 205	Fundamentals of Accounting	X			3
ANeq 328	Foundations in Animal Genetics	X			3
SPCM 200	Public Speaking	X			3
Select one course from the following:		X			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)			X	3B	3
ANeq 305 must be completed by the end of Semester 4.		X			
Total Credits					15
Junior					
Semester 5		Critical	Recommended	AUCC	Credits
ANeq 320	Principles of Animal Nutrition	X		4B	3
AREC 305	Agricultural and Resource Enterprise Analysis	X			3
Ag Business Choice Block (See List in Program Requirements)			X		3
Animal Science Choice Block (See List in Program Requirements)			X		3
Advanced Writing (http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#advanced-writing)			X	2	3
Total Credits					15
Semester 6		Critical	Recommended	AUCC	Credits
LBM 333A	Livestock Business Engaged Research: Proposal Development	X			1
LBM 333B	Livestock Business Engaged Research: Field Experience	X			1
Ag Business Choice Block (See List in Program Requirements)			X		3
Animal Science Choice Block (See List in Program Requirements)			X		6
Elective			X		3
AREC 305, AREC 310, ANeq 310, ANeq 320, ANeq 328, SPCM 200, STAT 201 or STAT 301, and Advanced Writing must be completed by the end of Semester 6.		X			
Total Credits					14
Senior					
Semester 7		Critical	Recommended	AUCC	Credits
LBM 333C	Livestock Business Engaged Research: Communications	X			1
Select two Ag Business Analytic Courses from the following:		X			6
AREC 405	Agricultural Production Management				
AREC 408	Agricultural Finance				
AREC 412	Agricultural Commodities Marketing				
Animal Science Choice Block (See List in Program Requirements)			X		3
Production Systems Courses (See List in Program Requirements)			X		6-7
Total Credits					16-17
Semester 8		Critical	Recommended	AUCC	Credits
AREC 428	Agricultural Business Management	X		4A,4C	3
AREC 492	Senior Seminar in Ag and Resource Economics	X			1
LBM 433	Integrated Livestock Business Mgt Workshop	X		4A,4C	1
Ag Business Choice Block (See List in Program Requirements)		X			3
Business-focused Elective (See List in Program Requirements)		X			3
Livestock-focused Elective (See List in Program Requirements)		X			3
Elective		X			0-2

The benchmark courses for the 8th semester are the remaining courses in the entire program of study. X

Total Credits	14-16
Program Total Credits:	120