MAJOR IN ANIMAL SCIENCE

Major Completion Map

Distinctive Requirements for Degree Program: A maximum of five credits is allowed for ANEQ 352, ANEQ 353, ANEQ 354, ANEQ 355, ANEQ 356, ANEQ 357, ANEQ 361, ANEQ 362, ANEQ 363, and ANEQ 364. A maximum of 12 credits is allowed for any combination of the following: ANEQ 352, ANEQ 353, ANEQ 354, ANEQ 355, ANEQ 356, ANEQ 357, ANEQ 361, ANEQ 362, ANEQ 363, ANEQ 364, ANEQ 384, ANEQ 487A, ANEQ 495, and ANEQ 496.

A minimum grade of 'C' (2.000) is required for BMS 300, MIP 315 and each of the ANEQ courses used to meet requirements for the major.

Freshman

Semester 1		Critical	Recommended	AUCC	Credits
ANEQ 101	Food Animal Science	X			4
ANEQ 193	Student Seminar--Exploring Student Success	X			1
LIFE 102	Attributes of Living Systems (GT-SC1)	X		3A	4
Select at least three credits from the following:		X			3-4
MATH 117	College Algebra in Context I (GT-MA1)	X		1B	
MATH 118	College Algebra in Context II (GT-MA1)	X		1B	
MATH 124	Logarithmic and Exponential Functions (GT-MA1)	X		1B	
MATH 125	Numerical Trigonometry (GT-MA1)	X		1B	
MATH 126	Analytic Trigonometry (GT-MA1)	X		1B	
MATH 141	Calculus in Management Sciences (GT-MA1)	X		1B	
MATH 155	Calculus for Biological Scientists I (GT-MA1)	X		1B	
Diversity, Equity, and Inclusion (http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#diversity-equity-inclusion)			X	1C	3
	Total Credits				**15-16**
Semester 2		Critical	Recommended	AUCC	Credits
Select one course from the following:		X			1-4
ANEQ 105	Introduction to Large Animal Anatomy				
BMS 305	Domestic Animal Gross Anatomy				
CO 150	College Composition (GT-CO2)	X		1A	3
CS 110	Personal Computing	X			4
Select one group from the following:		X			5
Group A:					
CHEM 107	Fundamentals of Chemistry (GT-SC2)	X		3A	
CHEM 108	Fundamentals of Chemistry Laboratory (GT-SC1)	X		3A	
Group B:					
CHEM 111	General Chemistry I (GT-SC2)	X		3A	
CHEM 112	General Chemistry Lab I (GT-SC1)	X		3A	
	Total Credits				**13-16**

Sophomore

Semester 3		Critical	Recommended	AUCC	Credits
Select one course from the following:		X			3-4
ANEQ 230	Farm Animal Anatomy and Physiology				
ANEQ 305	Functional Large Animal Physiology		X		
BMS 300	Principles of Human Physiology				
Select one course from the following:		X			3
AREC 202	Agricultural and Resource Economics (GT-SS1)			3C	
ECON 202	Principles of Microeconomics (GT-SS1)			3C	
Select one course from the following:		X			3
STAT 201	General Statistics (GT-MA1)			1B	
STAT 301	Introduction to Applied Statistical Methods		X		
STAT 307	Introduction to Biostatistics		X		
Business/Economics Elective		X			3

Historical Perspectives (http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#historical-perspectives)			X	3D	3
	Total Credits				**15-16**

Semester 4		**Critical**	**Recommended**	**AUCC**	**Credits**
ANEQ 293	Professional Development and Career Success	X			1
ANEQ 310	Animal Reproduction	X		4B	3
ANEQ 320	Principles of Animal Nutrition	X		4B	3
SPCM 200	Public Speaking	X			3
Select one course from the following:		X			3
ANEQ 328	Foundations in Animal Genetics		X		
SOCR 330	Principles of Genetics				
	Total Credits				**13**

Junior

Semester 5		**Critical**	**Recommended**	**AUCC**	**Credits**
ANEQ 360	Principles of Meat Science	X		4B	3
Select one course from the following:		X			3
RS 300	Rangeland Conservation and Stewardship				
SOCR 320	Sustainable Forage Management for Livestock				
Experience Animal Science Elective (Select a minimum of 2 credits from the following):		X			2
ANEQ 487A	Internship: Animal				
	Department-approved Study Abroad				
Science Elective (See list on Program Requirements tab)		X			2
Advanced Writing (http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#advanced-writing)			X	2	3
Arts and Humanities (http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#arts-humanities)			X	3B	3
	Total Credits				**16**

Semester 6		**Critical**	**Recommended**	**AUCC**	**Credits**
ANEQ 330	Principles of Animal Breeding	X		4B	3
Applied Animal Science Electives (See list on Program Requirements tab)		X			4
Science Elective (See list on Program Requirements tab)		X			3-6
Arts and Humanities (http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#arts-humanities)			X	3B	3
	Total Credits				**13-16**

Senior

Semester 7		**Critical**	**Recommended**	**AUCC**	**Credits**
Select one course from the following:		X			3-4
ANEQ 313	Prevention and Control of Livestock Diseases	X			
ANEQ 346	Equine Disease Management	X			
Select one course from the following:		X			3-4
ANEQ 470	Meat Processing Systems			4A,4C	
ANEQ 472	Sheep Systems			4A,4C	
ANEQ 473	Dairy Systems			4A,4C	
ANEQ 474	Swine Systems			4A,4C	
ANEQ 476	Feedlot Systems			4A,4C	
ANEQ 478	Beef Systems			4A,4C	
Specialization Animal Science Electives (See list on Program Requirements tab)		X			3
Elective			X		3
	Total Credits				**12-14**

Semester 8		**Critical**	**Recommended**	**AUCC**	**Credits**
Select one course not previously taken:		X			3-4

ANEQ 470	Meat Processing Systems	X	4A,4C	
ANEQ 472	Sheep Systems	X	4A,4C	
ANEQ 473	Dairy Systems	X	4A,4C	
ANEQ 474	Swine Systems	X	4A,4C	
ANEQ 476	Feedlot Systems	X	4A,4C	
ANEQ 478	Beef Systems	X	4A,4C	
Business/Economics Elective		X		3
Specialization Animal Science Electives (See list on Program Requirements tab)		X		6
Electives			X	0-11
The benchmark courses for the 8th semester are the remaining courses in the entire program of study.		X		
Total Credits				**14-20**
Program Total Credits:				**120**