

MAJOR IN EQUINE SCIENCE

Major Completion Map

Distinctive Requirements for Degree Program: A minimum grade of "C-" (1.667) is required for each of the ANEQ courses which are required to complete the major.

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 twelve 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 487B, ANEQ 495, and ANEQ 496.**

Freshman

Semester 1		Critical	Recommended	AUCC	Credits
ANEQ 102	Introduction to Equine Science	X			4
ANEQ 193	Student Seminar–Exploring Student Success	X			1
LIFE 102	Attributes of Living Systems (GT-SC1)	X		3A	4
Select one course from the following:		X			2-4
AREC 230	Agricultural Data Management and Analysis				
BUS 150	Business Computing Concepts and Applications				
CS 110	Personal Computing				
CS 152	Python for STEM				
Select a minimum of three credits from the following:		X		1B	3-4
MATH 117	College Algebra in Context I (GT-MA1)			1B	
MATH 118	College Algebra in Context II (GT-MA1)			1B	
MATH 120	College Algebra (GT-MA1)			1B	
MATH 124	Logarithmic and Exponential Functions (GT-MA1)			1B	
MATH 125	Numerical Trigonometry (GT-MA1)			1B	
MATH 126	Analytic Trigonometry (GT-MA1)			1B	
MATH 127	Precalculus (GT-MA1)			1B	
MATH 141	Calculus in Management Sciences (GT-MA1)			1B	
MATH 155	Calculus for Biological Scientists I (GT-MA1)			1B	
Electives					0-6

Total Credits

17

Semester 2		Critical	Recommended	AUCC	Credits
ANEQ 115	Applied Equine Behavior	X			2
ANEQ 292	Equine Industry Seminar	X			1
CO 150	College Composition (GT-CO2)	X		1A	3
Select one course from the following:		X			1-4
ANEQ 105	Introduction to Large Animal Anatomy				
BMS 305	Domestic Animal Gross Anatomy				
Select one group from the following:		X			5
Group A:					
CHEM 107	Fundamentals of Chemistry (GT-SC2)			3A	
CHEM 108	Fundamentals of Chemistry Laboratory (GT-SC1)			3A	
Group B:					
CHEM 111	General Chemistry I (GT-SC2)			3A	
CHEM 112	General Chemistry Lab I (GT-SC1)			3A	
Diversity, Equity, and Inclusion (http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#diversity-equity-inclusion)			X	1C	3

Total Credits

18

Sophomore

Semester 3		Critical	Recommended	AUCC	Credits
Select one course from the following:					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				
STAT 307	Introduction to Biostatistics				
Business/Economics Elective (See requirements tab)			X		3
Elective			X		2-3
Total Credits					15
Semester 4		Critical	Recommended	AUCC	Credits
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				
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
Elective			X		3
Total Credits					15
Junior					
Semester 5		Critical	Recommended	AUCC	Credits
ANEQ 320	Principles of Animal Nutrition	X		4B	3
ANEQ 344	Principles of Equine Reproduction	X	X	4B	3
ANEQ 346	Equine Disease Management		X		4
Applied Equine Science Electives (See list on requirements tab.)		X			4
Total Credits					14
Semester 6		Critical	Recommended	AUCC	Credits
ANEQ 334	Principles of Equine Genetics	X			3
Select one course from the following:					3
RS 300	Rangeland Conservation and Stewardship				
SOCR 320	Sustainable Forage Management for Livestock				
Experience Equine Science Electives - Select a minimum of 2 credits from the following:		X			2
ANEQ 487B	Internship: Equine				
Department-approved Study Abroad					
Arts and Humanities (http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#arts-humanities)				3B	3
Business/Economics Elective (See requirements tab)			X		3
Total Credits					14
Senior					
Semester 7		Critical	Recommended	AUCC	Credits
ANEQ 440	Equine Industry and Issues	X		4A,4C	3
Advanced Writing (http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#advanced-writing)		X		2	3
Applied Equine Science Elective (See list on requirements tab.)		X			4
Business/Economics Elective (See requirements tab)			X		3
ANEQ 346 must be completed by the end of Semester 7.		X			
Total Credits					13
Semester 8		Critical	Recommended	AUCC	Credits
ANEQ 324	Principles of Applied Equine Nutrition	X			1

Select one course from the following:	X	2
ANEQ 441 Integrated Equine Science		
ANEQ 444 Equine Business Management		
Advanced Science Electives (See list on requirements tab)	X	3-4
Electives	X	7-8
The benchmark courses for the 8th semester are the remaining courses in the entire program of study.	X	
Total Credits		14
Program Total Credits:		120