

MAJOR IN EQUINE SCIENCE

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.

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 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	
1C (https://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#aucc)			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 (https://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#arts-humanities)			X		3B	3
Historical Perspectives (https://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 (https://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 (https://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	
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Total Credits		14
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Program Total Credits:		120