MAJOR IN EQUINE SCIENCE

Requirements Effective Fall 2024

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.

	AUCC	Credits
ANEQ 102 Introduction to Equine Science		4
ANEQ 115 Applied Equine Behavior		2
ANEQ 193 Student Seminar-Exploring Student Success		1
ANEQ 292 Equine Industry Seminar		1
CO 150 College Composition (GT-CO2)	1A	3
LIFE 102 Attributes of Living Systems (GT-SC1)	3A	4
Select one course from the following:		1-4
ANEQ 105 Introduction to Large Animal Anatomy		
BMS 305 Domestic Animal Gross Anatomy		
Select one course from the following:		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 one group from the following:		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	
Select a minimum of 3 credits from the following:		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	
Diversity, Equity, and Inclusion (http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#diversity-equity-inclusion)	1C	3
Electives		0-6
Total Credits		35
Sophomore		
SPCM 200 Public Speaking		3
Select one course from the following:		3-4
ANEQ 230 Farm Animal Anatomy and Physiology		
ANEQ 305 Functional Large Animal Physiology		

2 Major in Equine Science

BMS 300	Principles of Human Physiology		
Select one course from	the following:		3
ANEQ 328	Foundations in Animal Genetics		
SOCR 330	Principles of Genetics		
Select one course from	the following:		3
AREC 202	Agricultural and Resource Economics (GT-SS1)	3C	
ECON 202	Principles of Microeconomics (GT-SS1)	3C	
Select one course from	the following:		3
STAT 201	General Statistics (GT-MA1)	1B	
STAT 301	Introduction to Applied Statistical Methods		
STAT 307	Introduction to Biostatistics		
Business/Economics El	ectives ¹		3
Arts and Humanities (ht #arts-humanities)	tp://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/	3B	3
Historical Perspectives aucc/#historical-perspe	(http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/ctives)	3D	3
Electives			5-6
	Total Credits		30
Junior			
ANEQ 320	Principles of Animal Nutrition	4B	3
ANEQ 334	Principles of Equine Genetics		3
ANEQ 344	Principles of Equine Reproduction	4B	3
ANEQ 346	Equine Disease Management		4
Select one course from			3
RS 300	Rangeland Conservation and Stewardship		
SOCR 320	Sustainable Forage Management for Livestock		
Experience Equine Scier	nce Electives – Select a minimum of 2 credits from the following:		2
ANEQ 487B	Internship: Equine		
Department-approved	d Study Abroad		
Applied Equine Science	Electives (see list below)		4
Business/Economics Ele	ective ¹		3
Arts and Humanities (ht #arts-humanities)	tp://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/	3B	3
·	Total Credits		28
Senior			
ANEQ 324	Principles of Applied Equine Nutrition		1
ANEQ 440	Equine Industry and Issues	4A,4C	3
Select one course from	3		2
ANEQ 441	Integrated Equine Science		
ANEQ 444	Equine Business Management		
	se Electives (see list below)		3-4
	Electives (see list below)		4
Business/Economics El			3
#advanced-writing)	//catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/	2	3
Electives ²			7-8
	Total Credits		27
	Program Total Credits:		120

Applied Equine Sciences Electives (select a minimum of 4 courses for a total of 8 credits)

Minimum of 4 courses may be selected from the following courses: ANEQ 200 Applied Horsemanship and Equitation 2 ANEQ 201A Preparation of Horses for Competition: 2 Western ANEQ 201B Preparation of Horses for Competition: 2 English ANEQ 203 Equine Management 2 ANEQ 204 Equine Facilities Management 3 ANEQ 205 Equine Assessment, Evaluation and Retraining ANEQ 249 Introduction to the Trail Riding Industry 1 ANEQ 303 Equine Digital Photography 3 ANEQ 315 Equine Behavior 2 ANEQ 325 Equine Exercise Physiology 2 ANEQ 340 Horse Training and Sale Preparation I 3 ANEQ 341 Horse Training and Sale Preparation II 3 ANEQ 349 Packing and Outfitting 2 ANEQ 351 Techniques in Therapeutic Riding 2 ANEQ 352 Introduction to Horse Evaluation 3 ANEQ 353 Advanced Horse Evaluation 3 ANEQ 354 Equine Sales Production 3 ANEQ 355 Equine Sales Production 3 ANEQ 356 Principles of Teaching Therapeutic Riding 3 ANEQ 358 Equine Event and Sales Management 2 ANEQ 359 Equine Sales Production 2 ANEQ 365 Principles of Teaching Therapeutic Riding 3 ANEQ 384 Supervised College Teaching Var. ANEQ 386 Equine Practicum: Equine Reproductive 2 ANEQ 386 Equine Practicum: Equine Reproductive 2 ANEQ 386 Equine Practicum: Equine Farrier 1 ANEQ 386 Equine Practicum: Equine Farrier 1 ANEQ 386 Equine Practicum: Equine Farrier 2 ANEQ 386 Therapeutic Riding Instructor Practicum 2 ANEQ 445 Foaling Management 2 ANEQ 446 Therapeutic Riding Instructor Practicum 2 ANEQ 447 Foaling Management 2 ANEQ 448 Therapeutic Riding Instructor Practicum 2 ANEQ 496 Group Study Var. ANEQ 300 Topics in Animal Sciences: Livestock 1 Handling ANEQ 300 Topics in Animal Sciences: Calving and Calf 2 Assurance ANEQ 300 Topics in Animal Sciences: Seedstock 3 Anagement and Merchandising ANEQ 300 Topics in Animal Sciences: Seedstock Sale 1 Description of the Study Topics in Animal Sciences: Seedstock Sale 1 ANEQ 300 Topics in Animal Sciences: Seedstock Sale 1	Code	Title	Credits
ANEQ 201A Preparation of Horses for Competition: Western ANEQ 201B Preparation of Horses for Competition: English ANEQ 203 Equine Management 2 ANEQ 204 Equine Facilities Management 3 ANEQ 205 Equine Assessment, Evaluation and Retraining ANEQ 249 Introduction to the Trail Riding Industry 1 ANEQ 303 Equine Digital Photography 3 ANEQ 303 Equine Exercise Physiology 2 ANEQ 340 Horse Training and Sale Preparation I 3 ANEQ 341 Horse Training and Sale Preparation II 3 ANEQ 341 Horse Training and Sale Preparation II 3 ANEQ 341 Horse Training and Sale Preparation II 3 ANEQ 341 Horse Training and Sale Preparation II 3 ANEQ 341 Horse Training and Sale Preparation II 3 ANEQ 351 Techniques in Therapeutic Riding 2 ANEQ 352 Introduction to Horse Evaluation 2 ANEQ 353 Advanced Horse Evaluation 3 ANEQ 354 Equine Event and Sales Management 2 ANEQ 355 Equine Sales Production 2 ANEQ 356 Principles of Teaching Therapeutic Riding 3 ANEQ 358 Equine Sales Production 2 ANEQ 365 Principles of Teaching Therapeutic Riding 3 ANEQ 386 Equine Practicum: Equine Reproductive 2 Management ANEQ 386 Equine Practicum: Equine Farrier 1 Management ANEQ 442 Riding Instructor Training 2 ANEQ 445 Foaling Management 2 ANEQ 446 Therapeutic Riding Instructor Practicum 2 ANEQ 486 Therapeutic Riding Instructor Practicum 2 ANEQ 496 Group Study Var. ANEQ 300 Topics in Animal Sciences: Evaluation 3 ANEQ 300 Topics in Animal Sciences: Family 1 Ranching ANEQ 300 Topics in Animal Sciences: Seedstock 31 ANEQ 300N Topics in Animal Sciences: Seedstock 31 ANEQ 300N Topics in Animal Sciences: Seedstock Sale 1		s may be selected from the following	
ANEQ 201B Preparation of Horses for Competition: English ANEQ 203 Equine Management 2 ANEQ 204 Equine Facilities Management 3 ANEQ 205 Equine Assessment, Evaluation and Retraining ANEQ 249 Introduction to the Trail Riding Industry 1 ANEQ 303 Equine Digital Photography 3 ANEQ 315 Equine Exercise Physiology 2 ANEQ 340 Horse Training and Sale Preparation I 3 ANEQ 341 Horse Training and Sale Preparation II 3 ANEQ 341 Horse Training and Sale Preparation II 3 ANEQ 341 Horse Training and Sale Preparation II 3 ANEQ 341 Horse Training and Sale Preparation II 3 ANEQ 351 Techniques in Therapeutic Riding 2 ANEQ 352 Introduction to Horse Evaluation 2 ANEQ 353 Advanced Horse Evaluation 3 ANEQ 354 Equine Event and Sales Management 2 ANEQ 355 Equine Event and Sales Management 2 ANEQ 356 Principles of Teaching Therapeutic Riding 3 ANEQ 358 Equine Event and Sales Management 2 ANEQ 365 Principles of Teaching Therapeutic Riding 3 ANEQ 386 Equine Practicum: Equine Reproductive 2 Management ANEQ 386B Equine Practicum: Equine Reproductive 2 Management ANEQ 386B Equine Practicum: Equine Farrier 1 Management ANEQ 442 Riding Instructor Training 2 ANEQ 445 Foaling Management 2 ANEQ 446 Therapeutic Riding Instructor Practicum 2 ANEQ 486 Therapeutic Riding Instructor Practicum 2 ANEQ 486 Therapeutic Riding Instructor Practicum 2 ANEQ 496 Group Study Var. ANEQ 300 Live Animal and Carcass Evaluation 3 ANEQ 300 Live Animal and Carcass Evaluation 3 ANEQ 300 Topics in Animal Sciences: Livestock 1 Handling ANEQ 300 Topics in Animal Sciences: Seedstock 3 Management and Merchandising ANEQ 300N Topics in Animal Sciences: Seedstock 31 Management and Merchandising ANEQ 300N Topics in Animal Sciences: Seedstock Sale 1	ANEQ 200	Applied Horsemanship and Equitation	2
English ANEQ 203 Equine Management 2 ANEQ 204 Equine Facilities Management 3 ANEQ 205 Equine Assessment, Evaluation and Retraining ANEQ 249 Introduction to the Trail Riding Industry 1 ANEQ 303 Equine Digital Photography 3 ANEQ 315 Equine Behavior 2 ANEQ 325 Equine Exercise Physiology 2 ANEQ 340 Horse Training and Sale Preparation I 3 ANEQ 341 Horse Training and Sale Preparation II 3 ANEQ 349 Packing and Outfitting 2 ANEQ 351 Techniques in Therapeutic Riding 2 ANEQ 352 Introduction to Horse Evaluation 3 ANEQ 353 Advanced Horse Evaluation 2 ANEQ 354 Equine Event and Sales Management 2 ANEQ 355 Equine Event and Sales Management 2 ANEQ 356 Principles of Teaching Therapeutic Riding 3 ANEQ 357 Avanced Horse Evaluation 2 ANEQ 368 Equine Practicum: Equine Reproductive 40 ANEQ 386 Equine Practicum: Equine Reproductive 40 ANEQ 386 Equine Practicum: Equine Farrier 40 ANEQ 386 Therapeutic Riding Instructor Practicum 40 ANEQ 442 Riding Instructor Training 40 ANEQ 445 Foaling Management 40 ANEQ 446 Therapeutic Riding Instructor Practicum 40 ANEQ 496 Group Study 40 ANEQ 496 Group Study 40 ANEQ 496 Group Study 40 ANEQ 300 Live Animal and Carcass Evaluation 3 ANEQ 286 Livestock Practicum 40 ANEQ 300 Live Animal Sciences: Livestock 1 Handling ANEQ 300 Topics in Animal Sciences: Livestock 1 ANEQ 300 Topics in Animal Sciences: Seedstock 3 Management and Merchandising 40 ANEQ 300 Topics in Animal Sciences: Seedstock 30 ANEQ 300 Topics in Animal Sciences: Seedstock 31	ANEQ 201A	·	2
ANEQ 204 Equine Facilities Management 3 ANEQ 205 Equine Assessment, Evaluation and Retraining ANEQ 249 Introduction to the Trail Riding Industry 1 ANEQ 303 Equine Digital Photography 3 ANEQ 315 Equine Behavior 2 ANEQ 325 Equine Exercise Physiology 2 ANEQ 326 Horse Training and Sale Preparation I 3 ANEQ 340 Horse Training and Sale Preparation II 3 ANEQ 341 Horse Training and Sale Preparation II 3 ANEQ 349 Packing and Outfitting 2 ANEQ 351 Techniques in Therapeutic Riding 2 ANEQ 352 Introduction to Horse Evaluation 2 ANEQ 353 Advanced Horse Evaluation 3 ANEQ 358 Equine Event and Sales Management 2 ANEQ 359 Equine Sales Production 2 ANEQ 350 Principles of Teaching Therapeutic Riding 3 ANEQ 384 Supervised College Teaching Var. ANEQ 386B Equine Practicum: Equine Reproductive Management 3 ANEQ 386C Equine Practicum: Equine Reproductive Management 4 ANEQ 386C Equine Practicum: Equine Farrier 1 ANEQ 386C Equine Practicum: Equine Farrier 1 ANEQ 442 Riding Instructor Training 2 ANEQ 445 Foaling Management 2 ANEQ 446 Therapeutic Riding Instructor Practicum 2 ANEQ 496 Group Study Var. ANEQ 496 Group Study Var. Students may select a maximum of two courses from the following: ANEQ 300 Live Animal and Carcass Evaluation 3 ANEQ 300 Live Animal Sciences: Livestock 1 Handling ANEQ 300 Topics in Animal Sciences: Family 1 Ranching ANEQ 300 Topics in Animal Sciences: Seedstock 3 AneQ 300 Topics in Animal Sciences: Seedstock 3 AneQ 300 Topics in Animal Sciences: Seedstock 3 AneQ 300 Topics in Animal Sciences: Seedstock 30 ANEQ 300 Topics in Animal Sciences: Seedstock 30 ANEQ 300 Topics in Animal Sciences: Seedstock 30 ANEQ 300 Topics in Animal Sciences: Seedstock Sale 1	ANEQ 201B	•	2
ANEQ 205 Equine Assessment, Evaluation and Retraining ANEQ 249 Introduction to the Trail Riding Industry 1 ANEQ 303 Equine Digital Photography 3 ANEQ 315 Equine Behavior 2 ANEQ 325 Equine Exercise Physiology 2 ANEQ 340 Horse Training and Sale Preparation I 3 ANEQ 341 Horse Training and Sale Preparation II 3 ANEQ 349 Packing and Outfitting 2 ANEQ 351 Techniques in Therapeutic Riding 2 ANEQ 352 Introduction to Horse Evaluation 2 ANEQ 353 Advanced Horse Evaluation 3 ANEQ 358 Equine Event and Sales Management 2 ANEQ 359 Equine Sales Production 2 ANEQ 365 Principles of Teaching Therapeutic Riding 3 ANEQ 384 Supervised College Teaching Var. ANEQ 386B Equine Practicum: Equine Reproductive Management 2 ANEQ 386C Equine Practicum: Equine Farrier 1 ANEQ 386C Equine Practicum: Equine Farrier 2 ANEQ 442 Riding Instructor Training 2 ANEQ 445 Foaling Management 2 ANEQ 486 Therapeutic Riding Instructor Practicum 2 ANEQ 495 Independent Study Var. ANEQ 496 Group Study Var. ANEQ 496 Group Study Var. Students may select a maximum of two courses from the following: ANEQ 300 Live Animal and Carcass Evaluation 3 ANEQ 300 Topics in Animal Sciences: Livestock 1 Handling ANEQ 300 Topics in Animal Sciences: Pamily 1 Ranching ANEQ 300 Topics in Animal Sciences: Seedstock 3 Management and Merchandising ANEQ 300 Topics in Animal Sciences: Seedstock 3 Management and Merchandising ANEQ 300 Topics in Animal Sciences: Seedstock Sale 1	ANEQ 203	Equine Management	
Retraining ANEQ 249 Introduction to the Trail Riding Industry 1 ANEQ 303 Equine Digital Photography 3 ANEQ 315 Equine Behavior 2 ANEQ 325 Equine Exercise Physiology 2 ANEQ 340 Horse Training and Sale Preparation I 3 ANEQ 341 Horse Training and Sale Preparation II 3 ANEQ 349 Packing and Outfitting 2 ANEQ 351 Techniques in Therapeutic Riding 2 ANEQ 352 Introduction to Horse Evaluation 2 ANEQ 353 Advanced Horse Evaluation 3 ANEQ 358 Equine Event and Sales Management 2 ANEQ 359 Equine Sales Production 2 ANEQ 350 Principles of Teaching Therapeutic Riding 3 ANEQ 384 Supervised College Teaching Var. ANEQ 386 Equine Practicum: Equine Reproductive 2 Management ANEQ 386 Equine Practicum: Equine Farrier Management 2 ANEQ 386 Equine Practicum: Equine Farrier Management 2 ANEQ 386 Fooling Management 2 ANEQ 386 Therapeutic Riding Instructor Practicum 2 ANEQ 442 Riding Instructor Training 2 ANEQ 445 Fooling Management 2 ANEQ 496 Group Study Var. ANEQ 496 Group Study Var. ANEQ 496 Group Study Var. Students may select a maximum of two courses from the following: ANEQ 250 Live Animal and Carcass Evaluation 3 ANEQ 286 Livestock Practicum 2 ANEQ 300A Topics in Animal Sciences: Livestock 1 Handling ANEQ 300L Topics in Animal Sciences: Quality 2 ASSUrance ANEQ 300N Topics in Animal Sciences: Seedstock 3 Management and Merchandising ANEQ 300R Topics in Animal Sciences: Seedstock 3 Management and Merchandising ANEQ 300R Topics in Animal Sciences: Seedstock Sale 1	ANEQ 204	Equine Facilities Management	3
ANEQ 303 Equine Digital Photography 3 ANEQ 315 Equine Behavior 2 ANEQ 325 Equine Exercise Physiology 2 ANEQ 340 Horse Training and Sale Preparation I 3 ANEQ 341 Horse Training and Sale Preparation II 3 ANEQ 349 Packing and Outfitting 2 ANEQ 351 Techniques in Therapeutic Riding 2 ANEQ 352 Introduction to Horse Evaluation 3 ANEQ 353 Advanced Horse Evaluation 3 ANEQ 356 Equine Event and Sales Management 2 ANEQ 357 Equine Sales Production 2 ANEQ 358 Equine Event and Sales Management 2 ANEQ 359 Equine Sales Production 2 ANEQ 365 Principles of Teaching Therapeutic Riding 3 ANEQ 384 Supervised College Teaching Var. ANEQ 386 Equine Practicum: Equine Reproductive Management 4 ANEQ 386C Equine Practicum: Equine Farrier 1 Management 4 ANEQ 386C Equine Practicum: Equine Farrier 1 ANEQ 345 Foaling Management 2 ANEQ 445 Foaling Management 2 ANEQ 486 Therapeutic Riding Instructor Practicum 2 ANEQ 496 Group Study Var. ANEQ 250 Live Animal and Carcass Evaluation 3 ANEQ 250 Live Animal and Carcass Evaluation 3 ANEQ 250 Live Animal and Carcass Evaluation 3 ANEQ 250 Live Animal Sciences: Livestock 1 Handling ANEQ 300A Topics in Animal Sciences: Pamily 1 Ranching ANEQ 300L Topics in Animal Sciences: Quality 2 Assurance ANEQ 300L Topics in Animal Sciences: Seedstock 3 Management and Merchandising ANEQ 300R Topics in Animal Sciences: Seedstock 3 Management and Merchandising ANEQ 300R Topics in Animal Sciences: Calving and Calf 2 Care ANEQ 300U Topics in Animal Sciences: Seedstock Sale 1	ANEQ 205	•	2
ANEQ 315 Equine Behavior 2 ANEQ 325 Equine Exercise Physiology 2 ANEQ 340 Horse Training and Sale Preparation I 3 ANEQ 341 Horse Training and Sale Preparation II 3 ANEQ 349 Packing and Outfitting 2 ANEQ 351 Techniques in Therapeutic Riding 2 ANEQ 352 Introduction to Horse Evaluation 2 ANEQ 353 Advanced Horse Evaluation 3 ANEQ 358 Equine Event and Sales Management 2 ANEQ 359 Equine Sales Production 2 ANEQ 365 Principles of Teaching Therapeutic Riding 3 ANEQ 384 Supervised College Teaching Var. ANEQ 386B Equine Practicum: Equine Reproductive 2 ANEQ 386C Equine Practicum: Equine Farrier 3 ANEQ 386C Equine Practicum: Equine Farrier 4 ANEQ 442 Riding Instructor Training 2 ANEQ 445 Foaling Management 2 ANEQ 486 Therapeutic Riding Instructor Practicum 2 ANEQ 496 Group Study Var. ANEQ 496 Group Study Var. ANEQ 496 Group Study Var. Students may select a maximum of two courses from the following: ANEQ 300A Topics in Animal Sciences: Eamily 1 Ranching ANEQ 300L Topics in Animal Sciences: Quality Assurance ANEQ 300N Topics in Animal Sciences: Seedstock 3 Management and Merchandising ANEQ 300R Topics in Animal Sciences: Calving and Calf 2 Care ANEQ 300U Topics in Animal Sciences: Seedstock Sale 1	ANEQ 249	Introduction to the Trail Riding Industry	1
ANEQ 325 Equine Exercise Physiology 2 ANEQ 340 Horse Training and Sale Preparation I 3 ANEQ 341 Horse Training and Sale Preparation II 3 ANEQ 349 Packing and Outfitting 2 ANEQ 351 Techniques in Therapeutic Riding 2 ANEQ 352 Introduction to Horse Evaluation 3 ANEQ 353 Advanced Horse Evaluation 3 ANEQ 358 Equine Event and Sales Management 2 ANEQ 359 Equine Sales Production 2 ANEQ 365 Principles of Teaching Therapeutic Riding 3 ANEQ 384 Supervised College Teaching Var. ANEQ 386B Equine Practicum: Equine Reproductive Management ANEQ 386C Equine Practicum: Equine Farrier 1 ANEQ 386C Equine Practicum: Equine Farrier 1 ANEQ 442 Riding Instructor Training 2 ANEQ 445 Foaling Management 2 ANEQ 486 Therapeutic Riding Instructor Practicum 2 ANEQ 495 Independent Study Var. ANEQ 496 Group Study Var. ANEQ 496 Group Study Var. Students may select a maximum of two courses from the following: ANEQ 250 Live Animal and Carcass Evaluation 3 ANEQ 300 Topics in Animal Sciences: Livestock 1 Handling ANEQ 300L Topics in Animal Sciences: Quality Assurance ANEQ 300N Topics in Animal Sciences: Seedstock 3 Management and Merchandising ANEQ 300R Topics in Animal Sciences: Calving and Calf 2 Care ANEQ 300U Topics in Animal Sciences: Seedstock Sale 1	ANEQ 303	Equine Digital Photography	
ANEQ 340 Horse Training and Sale Preparation I 3 ANEQ 341 Horse Training and Sale Preparation II 3 ANEQ 349 Packing and Outfitting 2 ANEQ 351 Techniques in Therapeutic Riding 2 ANEQ 352 Introduction to Horse Evaluation 3 ANEQ 353 Advanced Horse Evaluation 3 ANEQ 358 Equine Event and Sales Management 2 ANEQ 359 Equine Sales Production 2 ANEQ 365 Principles of Teaching Therapeutic Riding 3 ANEQ 384 Supervised College Teaching Var. ANEQ 386B Equine Practicum: Equine Reproductive Management 2 ANEQ 386C Equine Practicum: Equine Farrier 1 Management ANEQ 442 Riding Instructor Training 2 ANEQ 445 Foaling Management 2 ANEQ 486 Therapeutic Riding Instructor Practicum 2 ANEQ 495 Independent Study Var. ANEQ 496 Group Study Var. ANEQ 496 Group Study Var. Students may select a maximum of two courses from the following: ANEQ 250 Live Animal and Carcass Evaluation 3 ANEQ 286 Livestock Practicum 2 ANEQ 300A Topics in Animal Sciences: Livestock 1 Handling ANEQ 300E Topics in Animal Sciences: Quality 2 ASSUMANEQ 300L Topics in Animal Sciences: Quality 2 ASSUMANEQ 300N Topics in Animal Sciences: Calving and Calf 2 Care ANEQ 300N Topics in Animal Sciences: Calving and Calf 2 Care ANEQ 300U Topics in Animal Sciences: Seedstock Sale 1	ANEQ 315	Equine Behavior	2
ANEQ 341 Horse Training and Sale Preparation II 3 ANEQ 349 Packing and Outfitting 2 ANEQ 351 Techniques in Therapeutic Riding 2 ANEQ 352 Introduction to Horse Evaluation 3 ANEQ 353 Advanced Horse Evaluation 3 ANEQ 358 Equine Event and Sales Management 2 ANEQ 359 Equine Sales Production 2 ANEQ 365 Principles of Teaching Therapeutic Riding 3 ANEQ 384 Supervised College Teaching Var. ANEQ 386B Equine Practicum: Equine Reproductive Management 2 ANEQ 386C Equine Practicum: Equine Farrier 1 Management 2 ANEQ 442 Riding Instructor Training 2 ANEQ 445 Foaling Management 2 ANEQ 486 Therapeutic Riding Instructor Practicum 2 ANEQ 495 Independent Study Var. ANEQ 496 Group Study Var. ANEQ 496 Group Study Var. Students may select a maximum of two courses from the following: ANEQ 250 Live Animal and Carcass Evaluation 3 ANEQ 286 Livestock Practicum 2 ANEQ 300A Topics in Animal Sciences: Livestock 1 Handling ANEQ 300E Topics in Animal Sciences: Quality 2 ASSUMANEQ 300L Topics in Animal Sciences: Seedstock 3 Management and Merchandising ANEQ 300R Topics in Animal Sciences: Calving and Calf 2 Care ANEQ 300U Topics in Animal Sciences: Seedstock Sale 1	ANEQ 325	Equine Exercise Physiology	
ANEQ 349 Packing and Outfitting 2 ANEQ 351 Techniques in Therapeutic Riding 2 ANEQ 352 Introduction to Horse Evaluation 2 ANEQ 353 Advanced Horse Evaluation 3 ANEQ 358 Equine Event and Sales Management 2 ANEQ 359 Equine Sales Production 2 ANEQ 365 Principles of Teaching Therapeutic Riding 3 ANEQ 384 Supervised College Teaching Var. ANEQ 386B Equine Practicum: Equine Reproductive Management 2 ANEQ 386C Equine Practicum: Equine Farrier Management 2 ANEQ 442 Riding Instructor Training 2 ANEQ 445 Foaling Management 2 ANEQ 486 Therapeutic Riding Instructor Practicum 2 ANEQ 495 Independent Study Var. ANEQ 496 Group Study Var. ANEQ 496 Group Study Var. Students may select a maximum of two courses from the following: ANEQ 250 Live Animal and Carcass Evaluation 3 ANEQ 250 Live Animal and Carcass Evaluation 3 ANEQ 250 Live Animal Sciences: Livestock 1 Handling ANEQ 300A Topics in Animal Sciences: Family 1 Ranching ANEQ 300L Topics in Animal Sciences: Quality 2 Assurance ANEQ 300N Topics in Animal Sciences: Seedstock 3 Management and Merchandising ANEQ 300R Topics in Animal Sciences: Calving and Calf 2 Care ANEQ 300U Topics in Animal Sciences: Seedstock Sale 1	ANEQ 340		
ANEQ 351 Techniques in Therapeutic Riding 2 ANEQ 352 Introduction to Horse Evaluation 2 ANEQ 353 Advanced Horse Evaluation 3 ANEQ 358 Equine Event and Sales Management 2 ANEQ 359 Equine Sales Production 2 ANEQ 365 Principles of Teaching Therapeutic Riding 3 ANEQ 384 Supervised College Teaching Var. ANEQ 386B Equine Practicum: Equine Reproductive Management 2 ANEQ 386C Equine Practicum: Equine Farrier 1 ANEQ 386C Equine Practicum: Equine Farrier 2 ANEQ 442 Riding Instructor Training 2 ANEQ 445 Foaling Management 2 ANEQ 486 Therapeutic Riding Instructor Practicum 2 ANEQ 495 Independent Study Var. ANEQ 496 Group Study Var. ANEQ 496 Group Study Var. Students may select a maximum of two courses from the following: ANEQ 250 Live Animal and Carcass Evaluation 3 ANEQ 250 Live Animal Sciences: Livestock 1 Handling ANEQ 300A Topics in Animal Sciences: Family 1 Ranching ANEQ 300L Topics in Animal Sciences: Quality 2 Assurance ANEQ 300N Topics in Animal Sciences: Seedstock 3 Management and Merchandising ANEQ 300R Topics in Animal Sciences: Calving and Calf 2 Care ANEQ 300U Topics in Animal Sciences: Seedstock Sale 1	ANEQ 341	Horse Training and Sale Preparation II	3
ANEQ 352 Introduction to Horse Evaluation 3 ANEQ 353 Advanced Horse Evaluation 3 ANEQ 358 Equine Event and Sales Management 2 ANEQ 359 Equine Sales Production 2 ANEQ 365 Principles of Teaching Therapeutic Riding 3 ANEQ 384 Supervised College Teaching Var. ANEQ 386B Equine Practicum: Equine Reproductive Management ANEQ 386C Equine Practicum: Equine Farrier Management ANEQ 442 Riding Instructor Training 2 ANEQ 445 Foaling Management 2 ANEQ 486 Therapeutic Riding Instructor Practicum 2 ANEQ 495 Independent Study Var. ANEQ 496 Group Study Var. ANEQ 496 Group Study Var. Students may select a maximum of two courses from the following: ANEQ 250 Live Animal and Carcass Evaluation 3 ANEQ 286 Livestock Practicum 2 ANEQ 300A Topics in Animal Sciences: Livestock 1 Handling ANEQ 300E Topics in Animal Sciences: Pamily 1 Ranching ANEQ 300L Topics in Animal Sciences: Quality Assurance ANEQ 300N Topics in Animal Sciences: Seedstock Management and Merchandising ANEQ 300R Topics in Animal Sciences: Calving and Calf 2 Care ANEQ 300U Topics in Animal Sciences: Seedstock Sale 1	ANEQ 349	3	2
ANEQ 353 Advanced Horse Evaluation 3 ANEQ 358 Equine Event and Sales Management 2 ANEQ 359 Equine Sales Production 2 ANEQ 365 Principles of Teaching Therapeutic Riding 3 ANEQ 384 Supervised College Teaching Var. ANEQ 386B Equine Practicum: Equine Reproductive Management ANEQ 386C Equine Practicum: Equine Farrier Management ANEQ 442 Riding Instructor Training 2 ANEQ 445 Foaling Management 2 ANEQ 486 Therapeutic Riding Instructor Practicum 2 ANEQ 495 Independent Study Var. ANEQ 496 Group Study Var. L**** 2*** 200-Level Foreign Language Var. Students may select a maximum of two courses from the following: ANEQ 250 Live Animal and Carcass Evaluation 3 ANEQ 286 Livestock Practicum 2 ANEQ 300A Topics in Animal Sciences: Livestock 1 Handling ANEQ 300E Topics in Animal Sciences: Family 1 Ranching ANEQ 300L Topics in Animal Sciences: Quality Assurance ANEQ 300N Topics in Animal Sciences: Seedstock Management and Merchandising ANEQ 300R Topics in Animal Sciences: Calving and Calf 2 Care ANEQ 300U Topics in Animal Sciences: Seedstock Sale 1	ANEQ 351	Techniques in Therapeutic Riding	2
ANEQ 358 Equine Event and Sales Management 2 ANEQ 359 Equine Sales Production 2 ANEQ 365 Principles of Teaching Therapeutic Riding 3 ANEQ 384 Supervised College Teaching Var. ANEQ 386B Equine Practicum: Equine Reproductive Management 2 ANEQ 386C Equine Practicum: Equine Farrier Management 2 ANEQ 442 Riding Instructor Training 2 ANEQ 445 Foaling Management 2 ANEQ 486 Therapeutic Riding Instructor Practicum 2 ANEQ 495 Independent Study Var. ANEQ 496 Group Study Var. L**** 2*** 200-Level Foreign Language Var. Students may select a maximum of two courses from the following: ANEQ 250 Live Animal and Carcass Evaluation 3 ANEQ 286 Livestock Practicum 2 ANEQ 300A Topics in Animal Sciences: Livestock 1 Handling ANEQ 300E Topics in Animal Sciences: Quality Assurance ANEQ 300N Topics in Animal Sciences: Seedstock 3 Management and Merchandising ANEQ 300R Topics in Animal Sciences: Calving and Calf Care ANEQ 300N Topics in Animal Sciences: Calving and Calf Care ANEQ 300U Topics in Animal Sciences: Seedstock Sale 1	ANEQ 352	Introduction to Horse Evaluation	2
ANEQ 359 Equine Sales Production 2 ANEQ 365 Principles of Teaching Therapeutic Riding 3 ANEQ 384 Supervised College Teaching Var. ANEQ 386B Equine Practicum: Equine Reproductive Management ANEQ 386C Equine Practicum: Equine Farrier Management ANEQ 442 Riding Instructor Training 2 ANEQ 445 Foaling Management 2 ANEQ 486 Therapeutic Riding Instructor Practicum 2 ANEQ 495 Independent Study Var. ANEQ 496 Group Study Var. L**** 2*** 200-Level Foreign Language Var. Students may select a maximum of two courses from the following: ANEQ 250 Live Animal and Carcass Evaluation 3 ANEQ 286 Livestock Practicum 2 ANEQ 300A Topics in Animal Sciences: Livestock 1 Handling ANEQ 300E Topics in Animal Sciences: Quality Assurance ANEQ 300N Topics in Animal Sciences: Seedstock 3 Management and Merchandising ANEQ 300R Topics in Animal Sciences: Calving and Calf Care ANEQ 300R Topics in Animal Sciences: Calving and Calf Care ANEQ 300N Topics in Animal Sciences: Seedstock Sale 1	ANEQ 353	Advanced Horse Evaluation	3
ANEQ 365 Principles of Teaching Therapeutic Riding 3 ANEQ 384 Supervised College Teaching Var. ANEQ 386B Equine Practicum: Equine Reproductive Management ANEQ 386C Equine Practicum: Equine Farrier 1 Management ANEQ 442 Riding Instructor Training 2 ANEQ 445 Foaling Management 2 ANEQ 486 Therapeutic Riding Instructor Practicum 2 ANEQ 495 Independent Study Var. ANEQ 496 Group Study Var. ANEQ 496 Group Study Var. Students may select a maximum of two courses from the following: ANEQ 250 Live Animal and Carcass Evaluation 3 ANEQ 286 Livestock Practicum 2 ANEQ 300A Topics in Animal Sciences: Livestock 1 Handling ANEQ 300E Topics in Animal Sciences: Quality Assurance ANEQ 300N Topics in Animal Sciences: Seedstock Management and Merchandising ANEQ 300R Topics in Animal Sciences: Calving and Calf Care ANEQ 300N Topics in Animal Sciences: Calving and Calf Care ANEQ 300U Topics in Animal Sciences: Seedstock Sale 1	ANEQ 358	Equine Event and Sales Management	2
ANEQ 384 Supervised College Teaching Var. ANEQ 386B Equine Practicum: Equine Reproductive Management ANEQ 386C Equine Practicum: Equine Farrier Management ANEQ 442 Riding Instructor Training 2 ANEQ 445 Foaling Management 2 ANEQ 486 Therapeutic Riding Instructor Practicum 2 ANEQ 495 Independent Study Var. ANEQ 496 Group Study Var. L*** 2** 200-Level Foreign Language Var. Students may select a maximum of two courses from the following: ANEQ 250 Live Animal and Carcass Evaluation 3 ANEQ 286 Livestock Practicum 2 ANEQ 300A Topics in Animal Sciences: Livestock 1 Handling ANEQ 300E Topics in Animal Sciences: Pamily 1 Ranching ANEQ 300L Topics in Animal Sciences: Quality Assurance ANEQ 300N Topics in Animal Sciences: Seedstock 3 Management and Merchandising ANEQ 300R Topics in Animal Sciences: Calving and Calf Care ANEQ 300U Topics in Animal Sciences: Seedstock Sale 1	ANEQ 359	Equine Sales Production	2
ANEQ 386B Equine Practicum: Equine Reproductive Management ANEQ 386C Equine Practicum: Equine Farrier Management ANEQ 442 Riding Instructor Training 2 ANEQ 445 Foaling Management 2 ANEQ 486 Therapeutic Riding Instructor Practicum 2 ANEQ 495 Independent Study Var. ANEQ 496 Group Study Var. L*** 2** 200-Level Foreign Language Var. Students may select a maximum of two courses from the following: ANEQ 250 Live Animal and Carcass Evaluation 3 ANEQ 286 Livestock Practicum 2 ANEQ 300A Topics in Animal Sciences: Livestock 1 Handling ANEQ 300E Topics in Animal Sciences: Pamily 1 Ranching ANEQ 300L Topics in Animal Sciences: Quality Assurance ANEQ 300N Topics in Animal Sciences: Seedstock 3 Management and Merchandising ANEQ 300R Topics in Animal Sciences: Calving and Calf 2 Care ANEQ 300U Topics in Animal Sciences: Seedstock Sale 1	ANEQ 365	Principles of Teaching Therapeutic Riding	3
Management ANEQ 386C Equine Practicum: Equine Farrier Management ANEQ 442 Riding Instructor Training 2 ANEQ 445 Foaling Management 2 ANEQ 486 Therapeutic Riding Instructor Practicum 2 ANEQ 495 Independent Study Var. ANEQ 496 Group Study Var. L**** 2*** 200-Level Foreign Language Var. Students may select a maximum of two courses from the following: ANEQ 250 Live Animal and Carcass Evaluation 3 ANEQ 286 Livestock Practicum 2 ANEQ 300A Topics in Animal Sciences: Livestock 1 Handling ANEQ 300E Topics in Animal Sciences: Family 1 Ranching ANEQ 300L Topics in Animal Sciences: Seedstock 3 Management and Merchandising ANEQ 300R Topics in Animal Sciences: Seedstock 3 Management and Merchandising ANEQ 300R Topics in Animal Sciences: Calving and Calf 2 Care ANEQ 300U Topics in Animal Sciences: Seedstock Sale 1	ANEQ 384	Supervised College Teaching	Var.
Management ANEQ 442 Riding Instructor Training 2 ANEQ 445 Foaling Management 2 ANEQ 486 Therapeutic Riding Instructor Practicum 2 ANEQ 495 Independent Study Var. ANEQ 496 Group Study Var. L*** 2** 200-Level Foreign Language Var. Students may select a maximum of two courses from the following: ANEQ 250 Live Animal and Carcass Evaluation 3 ANEQ 286 Livestock Practicum 2 ANEQ 300A Topics in Animal Sciences: Livestock 1 Handling ANEQ 300E Topics in Animal Sciences: Family 1 Ranching ANEQ 300L Topics in Animal Sciences: Quality 2 Assurance ANEQ 300N Topics in Animal Sciences: Seedstock 3 Management and Merchandising ANEQ 300R Topics in Animal Sciences: Calving and Calf Care ANEQ 300U Topics in Animal Sciences: Seedstock Sale 1	ANEQ 386B		2
ANEQ 445 Foaling Management 2 ANEQ 486 Therapeutic Riding Instructor Practicum 2 ANEQ 495 Independent Study Var. ANEQ 496 Group Study Var. L*** 2** 200-Level Foreign Language Var. Students may select a maximum of two courses from the following: ANEQ 250 Live Animal and Carcass Evaluation 3 ANEQ 286 Livestock Practicum 2 ANEQ 300A Topics in Animal Sciences: Livestock Handling ANEQ 300E Topics in Animal Sciences: Family 1 Ranching ANEQ 300L Topics in Animal Sciences: Quality Assurance ANEQ 300N Topics in Animal Sciences: Seedstock 3 Management and Merchandising ANEQ 300R Topics in Animal Sciences: Calving and Calf Care ANEQ 300U Topics in Animal Sciences: Seedstock Sale 1	ANEQ 386C		1
ANEQ 486 Therapeutic Riding Instructor Practicum 2 ANEQ 495 Independent Study Var. ANEQ 496 Group Study Var. L*** 2*** 200-Level Foreign Language Var. Students may select a maximum of two courses from the following: ANEQ 250 Live Animal and Carcass Evaluation 3 ANEQ 286 Livestock Practicum 2 ANEQ 300A Topics in Animal Sciences: Livestock Handling ANEQ 300E Topics in Animal Sciences: Family 1 Ranching ANEQ 300L Topics in Animal Sciences: Quality 2 Assurance ANEQ 300N Topics in Animal Sciences: Seedstock 3 Management and Merchandising ANEQ 300R Topics in Animal Sciences: Calving and Calf Care ANEQ 300U Topics in Animal Sciences: Seedstock Sale 1	ANEQ 442	Riding Instructor Training	2
ANEQ 495 Independent Study Var. ANEQ 496 Group Study Var. L*** 2** 200-Level Foreign Language Var. Students may select a maximum of two courses from the following: ANEQ 250 Live Animal and Carcass Evaluation 3 ANEQ 286 Livestock Practicum 2 ANEQ 300A Topics in Animal Sciences: Livestock Handling ANEQ 300E Topics in Animal Sciences: Family Ranching ANEQ 300L Topics in Animal Sciences: Quality Assurance ANEQ 300N Topics in Animal Sciences: Seedstock 3 Management and Merchandising ANEQ 300R Topics in Animal Sciences: Calving and Calf Care ANEQ 300U Topics in Animal Sciences: Seedstock Sale 1	ANEQ 445	Foaling Management	2
ANEQ 300L ANEQ 300L Topics in Animal Sciences: Quality Assurance ANEQ 300R Topics in Animal Sciences: Seedstock Management and Merchandising ANEQ 300R Topics in Animal Sciences: Calving and Calf Care ANEQ 300U Topics in Animal Sciences: Seedstock Sale 1 Care ANEQ 300U Topics in Animal Sciences: Seedstock Sale Topics in Animal Sciences: Seedstock Sale	ANEQ 486	Therapeutic Riding Instructor Practicum	2
L*** 2** 200-Level Foreign Language Var. Students may select a maximum of two courses from the following: ANEQ 250 Live Animal and Carcass Evaluation 3 ANEQ 286 Livestock Practicum 2 ANEQ 300A Topics in Animal Sciences: Livestock Handling ANEQ 300E Topics in Animal Sciences: Family 1 Ranching ANEQ 300L Topics in Animal Sciences: Quality Assurance ANEQ 300N Topics in Animal Sciences: Seedstock 3 Management and Merchandising ANEQ 300R Topics in Animal Sciences: Calving and Calf Care ANEQ 300U Topics in Animal Sciences: Seedstock Sale 1	ANEQ 495	Independent Study	Var.
Students may select a maximum of two courses from the following: ANEQ 250 Live Animal and Carcass Evaluation 3 ANEQ 286 Livestock Practicum 2 ANEQ 300A Topics in Animal Sciences: Livestock Handling ANEQ 300E Topics in Animal Sciences: Family Ranching ANEQ 300L Topics in Animal Sciences: Quality Assurance ANEQ 300N Topics in Animal Sciences: Seedstock Management and Merchandising ANEQ 300R Topics in Animal Sciences: Calving and Calf Care ANEQ 300U Topics in Animal Sciences: Seedstock Sale 1	ANEQ 496	Group Study	Var.
following: ANEQ 250 Live Animal and Carcass Evaluation 3 ANEQ 286 Livestock Practicum 2 ANEQ 300A Topics in Animal Sciences: Livestock Handling ANEQ 300E Topics in Animal Sciences: Family Ranching ANEQ 300L Topics in Animal Sciences: Quality Assurance ANEQ 300N Topics in Animal Sciences: Seedstock Management and Merchandising ANEQ 300R Topics in Animal Sciences: Calving and Calf Care ANEQ 300U Topics in Animal Sciences: Seedstock Sale 1	L*** 2** 200-Level Fo	reign Language	Var.
ANEQ 286 Livestock Practicum 2 ANEQ 300A Topics in Animal Sciences: Livestock 1 Handling ANEQ 300E Topics in Animal Sciences: Family 1 Ranching ANEQ 300L Topics in Animal Sciences: Quality 2 Assurance ANEQ 300N Topics in Animal Sciences: Seedstock 3 Management and Merchandising ANEQ 300R Topics in Animal Sciences: Calving and Calf Care ANEQ 300U Topics in Animal Sciences: Seedstock Sale 1		a maximum of two courses from the	
ANEQ 300A Topics in Animal Sciences: Livestock Handling ANEQ 300E Topics in Animal Sciences: Family Ranching ANEQ 300L Topics in Animal Sciences: Quality Assurance ANEQ 300N Topics in Animal Sciences: Seedstock Management and Merchandising ANEQ 300R Topics in Animal Sciences: Calving and Calf Care ANEQ 300U Topics in Animal Sciences: Seedstock Sale 1	ANEQ 250	Live Animal and Carcass Evaluation	3
Handling ANEQ 300E Topics in Animal Sciences: Family Ranching ANEQ 300L Topics in Animal Sciences: Quality Assurance ANEQ 300N Topics in Animal Sciences: Seedstock Management and Merchandising ANEQ 300R Topics in Animal Sciences: Calving and Calf Care ANEQ 300U Topics in Animal Sciences: Seedstock Sale	ANEQ 286	Livestock Practicum	2
Ranching ANEQ 300L Topics in Animal Sciences: Quality 2 Assurance ANEQ 300N Topics in Animal Sciences: Seedstock 3 Management and Merchandising ANEQ 300R Topics in Animal Sciences: Calving and Calf Care ANEQ 300U Topics in Animal Sciences: Seedstock Sale 1	ANEQ 300A		1
Assurance ANEQ 300N Topics in Animal Sciences: Seedstock 3 Management and Merchandising ANEQ 300R Topics in Animal Sciences: Calving and Calf Care ANEQ 300U Topics in Animal Sciences: Seedstock Sale 1	ANEQ 300E		1
ANEQ 300R Topics in Animal Sciences: Calving and Calf Care ANEQ 300U Topics in Animal Sciences: Seedstock Sale 1	ANEQ 300L		2
Care ANEQ 300U Topics in Animal Sciences: Seedstock Sale 1	ANEQ 300N	·	3
·	ANEQ 300R		f 2
	ANEQ 300U	•	1

ANEQ 310	Animal Reproduction	3
ANEQ 312	Animal Ultrasonography	2
ANEQ 321	Principles of Applied Animal Nutrition	1
ANEQ 330	Principles of Animal Breeding	3
ANEQ 366	Animal Welfare Evaluation	2
ANEQ 410	Applied Food Animal Behavior	3
ANEQ 420	Applied Nutrition–Computer Diet Formulation	3
ANEQ 448	Livestock Manure Management and Environment	3
GES 201	Systems Thinking in Sustainability	3
SOCR 210	Microbiome Roles in a Sustainable Earth (GT-SC2)	3

Advanced Science Course List

Code	Title	Credits
ANEQ 510	Bovine Reproduction Management	4
ANEQ 522	Animal Metabolism	3
ANEQ 545	Molecular Methods in Animal Genetics	3
BC 351	Principles of Biochemistry	4
BC 401	Comprehensive Biochemistry I	3
BC 403	Comprehensive Biochemistry II	3
BMS 325	Cellular Neurobiology	3
BMS 345	Functional Neuroanatomy	4
BMS 430	Endocrinology	3
CHEM 245	Fundamentals of Organic Chemistry	4
CHEM 335	Introduction to Analytical Chemistry	3
CHEM 341	Modern Organic Chemistry I	3
CHEM 343	Modern Organic Chemistry II	3
LIFE 205	Microbial Biology	3
LIFE 220/LAND 220	Fundamentals of Ecology (GT-SC2)	3
LIFE 320	Ecology	3
MIP 300	General Microbiology	3
MIP 342	Immunology	4
PSY 320	Psychopathology	3
PSY 454	Biological Psychology	3
PSY 458	Cognitive Neuroscience	3

Select credits from any AREC, ECON, or business course, of which 3 credits may be a computer course. AREC 202, ECON 202, and CS 110 will not be accepted. Access granted for the following business courses: ACT 205, BUS 205, FIN 305, MGT 305, MKT 305.

Select enough elective credits to bring the program to a minimum of 120 credits, of which at least 42 must be upper-division (300- to 400-level).