

# Equine Science Option

Freshman Year	Credits	
	Fall	Spring
NRSM 101 - Natural Resource Conservation	3	
NRSM 102 - Montana Range Plants	1	
CHMY 121IN - Introduction to General Chemistry	4	
& CHMY 122IN - Introduction to General Chemistry Lab		
AGED 140US - Leadership Development for Agriculture or COMX 111US - Introduction to Public Speaking	3	
Electives	3	
ANSC 100 - Introduction to Animal Science		3
BIOB 160 - Principles of Living Systems		4
ECNS 101IS - Economic Way of Thinking		3
Applied Courses		2
University Core and Electives		3
Year Total:	14	15

Sophomore Year	Credits	
	Fall	Spring
ANSC 202 - Livestock Feeding & Nutrition	3	
BIOB 318 - Biometry or STAT 216Q - Introduction to Statistics	3	
EQU 206 - Equine Ethology: Understanding Horse Behavior	3	
NRSM 240 - Natural Resource Ecology	3	
Applied Courses	2	
University Core and Electives	2	
ANSC 222 - Livestock in Sustain Systems		3
ANSC 265 - Anatomy and Physiology of Domestic Animals - Lecture		3
ANSC 266 - Anatomy and Physiology of Domestic Animals - Lab		1
NRSM 236 - Small Pasture Management		1
CHMY 123 - Introduction to Organic Chemistry and Biochemistry & CHMY 124 - Introduction to Organic and Biochemistry Lab		4
BMGT 205 - Prof Business Communication or WRIT 221 - Intermediate Tech Writing		3
Year Total:	16	15

Junior Year	Credits	
	Fall	Spring
ANSC 320 - Animal Nutrition	3	
ANSC 321 - Physiology of Animal Reproduction	4	
EQU 498 - Equine Internship or EQU 490R - Undergrad Research	3	
Elective	2	
Econ and Business Electives	3	
AGBE 210IS - Economics of Ag Business		3
ANSC 322 - Principles of Animal Breeding and Genetics		3
ANSC 337 - Disease of Domestic Livestock		3

EQU 347 - Equine Form to Function		3
Econ and Business Electives		3
Year Total:	15	15

Senior Year	Credits	
	Fall	Spring
Econ and Business Elective	3	
Equine Science Elective	3	
Electives	5	
Mgmt & Industry Electives	4	
Electives		7
Equine Science Elective		3
Mgmt & Industry Electives		5
Year Total:	15	15
<b>Total Program Credits:</b>		<b>120</b>

## Applied Courses

Take 2 courses		
EQUH 110	Western Equitation	2
EQUH 114	Horsemanship 1	2
EQUH 133	Horses: Ground Level	2
EQUH 207	Intermed English Equitation	2
EQUH 210	Intermed Western Equitation	2
EQUH 253	Starting Colts	2
EQUH 256	Developing The Young Horse	2
EQUH 314	Equestrian Instruction Methods	2
EQU 233	Horse Science and Mgt Lab	2
ANSC 308	Livestock Evaluation	2
NRSM 235	Range and Pasture Monitoring	1

## Equine Science Electives

Take 2 courses		
EQU 327	Equine Lameness	3
EQU 346	Equine Reproductive Management	4
EQU 423	Equine Nutrition	3
EQU 424	Equine Exercise Physiology	3

## Econ & Business Electives

Select 9 credits		
ACTG 201	Principles of Financial Accounting	3
ACTG 202	Principles of Managerial Accounting	3
ACTG 220	Survey of Accounting	3
AGBE 321	Economics of Agricultural Marketing	3
AGBE 337	Agricultural Law	3
AGBE 341	Farm and Ranch Management	3
AGBE 345	Agriculture Finance and Credit Analysis	3
AGBE 353	Co-operative Business Principles and Practice	3
BGEN 204	Business Fundamentals	3
BGEN 242D	Introduction to International Business	3
BGEN 361	Principles of Business Law	3
BMGT 335	Management and Organization	3
BMKT 325	Principles of Marketing	3
BMKT 337	Consumer Behavior	3
BMKT 436	Sales and Sales Management	3

## Management & Industry Electives

Select 9 credits

AGSC 341	Field Crop Production	3
AGSC 342	Forages	3
ANSC 215	Calving Management	2
ANSC 232	Livestock Management - Sheep I	1
ANSC 234	Livestock Management - Beef I	1
ANSC 432R	Sheep Management	0,3
ANSC 434R	Beef Cattle Management	4
ANSC 436	Professional Development in Beef Production Systems	2
ANSC 437	Professional Development in Beef Feedlot Systems	2
BIOM 405	Host-Associated Microbiomes	3
ENSC 245IN	Soils	3
EQU 430	Horse Management	4
NRSM 353	Grazing Ecology and Management	3
NRSM 453	Habitat Inventory and Analysis	3
NRSM 455	Riparian Ecology & Management	3

A minimum of 120 credits is required for graduation; 42 of these credits must be in courses numbered 300 and above. University core requirements must be completed.

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