Equine Science

Montana State University COLLEGE OF AGRICULTURE B.S. in Animal Science

Name:	ID#·	Date:
Name.	1D#	Date.

A minimum of 120 credits is required to graduate, 42 must be 300 level or above.

DEPARTMENTAL REQUIREMENTS FOR THIS OPTION					CREDITS: 73	
Dept/Course #	Course Title	Credits	Class	/Semester	Year	Sub/Transfer
AGED 140 US OR	Leadership Dev for Agriculture	3	FR	FS (F)		
COMX 111US	Intro to Public Speaking	3	FR	FS (F)		
ANSC 100	Intro Animal Science	3	FR	FS		
BIOB 160	Princ of Living Systems	4	FR	FS (S)		
CHMY 121 IN & CHMY 122IN	Intro General Chemistry Intro General Chemistry Lab	3 1	FR	FSSu (F)		
ECNS 101 IS	Economic Way of Thinking	3	FR	FSSu (S)		
NRSM 101	Natural Resource Conservation	3	FR	F		
NRSM 102	Montana Range Plants Lab	1	FR	F		
WRIT 101 W	College Writing I	3	FR	FSSu (F)		
ANSC 202	Livestock Feeding & Nutrition	3	so	F		
ANSC 222	Livestock in Sustainable Systems	3	SO	S		
ANSC 265	Anatomy & Phys of Dom Animals	3	SO	S		
ANSC 266	Anatomy & Phys of Dom Animals Lab	1	SO	S		
BIOB 318 OR	Biometry	3	SO	F		
STAT 216 Q	Elementary Statistics	3	SO	FSSu(S)		
BMGT 205 OR	Prof Business Communication	3	SO	FSSu (F)		
WRIT 221	Intermed Tech Writing	3	SO	FS (F)		
CHMY 123 & CHMY 124	Intro to Organic/Biochem Intro to Organic/Biochem Lab	3 1	SO	FSSu (F)		
EQUS 206	Equine Ethology: Understanding Horse Behavior	3	SO	F		
NRSM 236	Small Pasture Management	1	SO	S		
NRSM 240	Natural Resource Ecology	3	SO	F		
AGBE 210IS	Economics of Agricultural Business	3	JR	S		
ANSC 320	Animal Nutrition	3	JR	F		
ANSC 321	Physiology of Reproduction	4	JR	F		
ANSC 322	Principles of Animal Breeding & Genetics	3	JR	S		
ANSC 337	Diseases of Domestic Livestock	3	JR	S		
EQUS 347	Equine Form to Function	3	JR	S		
EQUS 498	Internship	3	SR	FSSu		
		L		1	1	

APPLIED COUR	SES				CREDITS REQUIRED: 6
EQUH 110	Western Equitation	2	FR	FS	
EQUH 114	Horsemanship I	2	FR	FS	
EQUH 133	Horses: Ground Level	2	FR	FS	
EQUH 207	Intermediate English Equitation	2	SO	S	
EQUH 210	Intermediate Western Equitation	2	SO	FS	
EQUH 253	Starting Colts	2	SO	F	
EQUH 256	Developing the Young Horse	2	SO	S	
EQUH 314	Equestrian Instruction Methods	2	JR	FS	
EQUS 233	Horse Science & Mgmt Lab	2	SO	F	
NRSM 235	Range and Pasture Monitoring	1	SO	F	
EQUINE SCIENCE	CE ELECTIVES				REQUIREMENT: TAKE 2
EQUS 327	Equine Lameness	3	SR	F	
EQUS 346	Equine Reproduction Mgmt	4	SR	S	
EQUS 423	Equine Nutrition	3	SR	F	
EQUS 424	Equine Exercise Physiology	3	SR	S	
ECON AND BUS	INESS ELECTIVES				CREDITS REQUIRED: 9
ACTG 201	Principles of Financial Accounting	3	SO	FS	
ACTG 202	Principles of Managerial Accounting	3	SO	FSSu	
ACTG 220	Survey of Accounting	3	SO	On demand	
AGBE 321	Econ of Ag Marketing	3	JR	F	
AGBE 337	Ag Law	3	JR	FS	
AGBE 341	Farm and Ranch Management	3	JR	S	
AGBE 353	Coop Bus Principles & Practices	3	JR	F	
AGBE 421	Advanced Ag Marketing	3	SR	S	
BGEN 204	Business Fundamentals	3	SO	FS	
BGEN 242 D	Intro to International Business	3	SO	FS	
BGEN 361	Princ of Business Law	3	JR	FSSu	
BMGT 335	Management & Organization	3	JR	FSSu	
BMKT 225	Marketing	3	SO	FS	
BMKT 325	Principles of Marketing	3	JR	FSSu	

MANAGEMENT	AND INDUSTRY ELECTIVES				CREDITS REQUIRED: 9
AGSC 341	Field Crop Production	3	JR	S	
AGSC 342	Forages	3	so	F	
ANSC 215	Calving Management	2	so	S	
ANSC 232	Lvstk Mgmt-Sheep	1	so	S	
ANSC 234	Lvstk Mgmt-Beef	1	so	S	
ANSC 432R	Sheep Management	3	SR	S	
ANSC 434R	Beef Cattle Management	4	SR	F	
ANSC 436	Prof Development in Beef Production Syst	2	SR	F	
ANSC 437	Prof Development in Beef Feedlot Syst	2	SR	S	
BIOM 405	Host-Associated Biomes	3	SR	F	
ENSC 245 IN	Soils	3	so	F	
EQUS 430	Horse Management	4	SR	S	
NRSM 353	Grazing Ecology & Management	3	JR	S	
NRSM 453	Habitat Inventory and Analysis	3	SR	F	
NRSM 455	Riparian Ecology & Management	3	JR	S	
FREE ELECTIVES CREDITS: To meet minimum 120 cr.					

UNIVERSITY CORE 2.0 REQUIREMEMTS

RUBRIC/NUMBER

Seminar (US)	Fulfilled by degree required AGED 140US or COMX 111US
Writing (W)	Fulfilled by degree required WRIT 101W
Quantitative Reasoning (Q)	
Diversity (D)	
Contemporary Issues in Science (CS)	Fulfilled by degree required BIOB 160, CHMY 121/122IN, NRSM 240
Arts (IA or RA)	
Humanities (IH or RH)	
Natural Sciences (IN or RN)	Fulfilled by degree required CHMY 121/122IN
Inquiry Social Science (IS or RS)	Fulfilled by degree required ECNS 101IS
Research & Creative Exper. (R, RA, RH, RS, RN)	

Completion of at least **two** of the following courses with a grade of C- or better satisfies both the Contemporary Issues in Science and the Natural Science Inquiry requirements: NRSM 240; BIOB 110, 160, 170, 256, 258, 260; BIOH 201, 211; BIOM 210, 250; BIOO 220; CHMY 121, 123, 141, 143, 151, 153, 211; GEO 101, 103, 205, 211; GPHY 111; ENSC 245; PHSX 205, 207, 220, 222, 224, 240, 242.

Minimum 120 Total Credits:	
Minimum 42 Upper Division Credits:	