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

Name: \_\_\_\_\_

ID#:\_\_\_\_\_

Date: \_\_\_\_\_

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

Course Title Leadership Dev for Agriculture	Credits	Class	1		
Leadership Dev for Agriculture				Year	Sub/Transfer
	3	FR	FS (F)		
Intro to Public Speaking	3	FR	FS (F)		
Intro to Animal Science	3	FR	FS		
Careers in Animal Agriculture	1	FR	S		
Princ of Living Systems	4	FR	FS (S)		
Intro to General Chemistry Intro to General Chemistry Lab	3 1	FR	FSSu (F)		
Economic Way of Thinking	3	FR	FS (S)		
Natural Resource Conservation	3	FR	F		
Montana Range Plants Lab	1	FR	F		
College Writing I	3	FR	FSSu(F)		
Livestock Feeding & Nutrition	3	SO	F		
Livestock in Sustainable Systems	3	SO	S		
Anatomy & Phys of Dom Animals	3	SO	S		
Anatomy & Phys of Dom Animals Lab	1	SO	S		
Prof Business Communication	3	SO	FSSu (F)		
Intermediate Tech Writing	3	SO	FS (F)		
Intro to Organic & Biochem	3	SO	FSSu (F)		
Natural Resource Ecology	3	SO	F		
Elementary Statistics	3	SO	FSSu		
Economics of Agricultural Business	3	JR	S		
Meat Science	4	JR	S		
Animal Nutrition	3	JR	F		
Physiology of Reproduction	4	JR	F		
Principles of Animal Breeding & Genetics	3	JR	S		
Diseases of Domestic Livestock	3	JR	S		
Internship or Undergrad Research	3	SR	FSSu		
	Princ of Living SystemsIntro to General Chemistry Intro to General Chemistry LabEconomic Way of ThinkingNatural Resource ConservationMontana Range Plants LabCollege Writing ILivestock Feeding & NutritionLivestock in Sustainable SystemsAnatomy & Phys of Dom AnimalsProf Business CommunicationIntermediate Tech WritingIntro to Organic & Biochem Intro to Organic & Biochem LabNatural Resource EcologyElementary StatisticsEconomics of Agricultural BusinessMeat ScienceAnimal NutritionPhysiology of ReproductionPrinciples of Animal Breeding & GeneticsDiseases of Domestic Livestock	Princ of Living Systems4Intro to General Chemistry Intro to General Chemistry Lab3Economic Way of Thinking3Natural Resource Conservation3Montana Range Plants Lab1College Writing I3Livestock Feeding & Nutrition3Livestock reading & Nutrition3Anatomy & Phys of Dom Animals3Anatomy & Phys of Dom Animals Lab1Prof Business Communication3Intro to Organic & Biochem Intro to Organic & Biochem Lab1Natural Resource Ecology3Elementary Statistics3Meat Science4Animal Nutrition3Physiology of Reproduction4Principles of Animal Breeding & Genetics3Internship or2	Princ of Living Systems4FRIntro to General Chemistry Lab3FREconomic Way of Thinking3FRNatural Resource Conservation3FRMontana Range Plants Lab1FRCollege Writing I3FRLivestock Feeding & Nutrition3SOLivestock in Sustainable Systems3SOAnatomy & Phys of Dom Animals3SOIntermediate Tech Writing3SOIntro to Organic & Biochem Intro to Organic & Biochem Lab1SONatural Resource Ecology3SOElementary Statistics3SOElementary Statistics3JRMeat Science4JRPhysiology of Reproduction4JRPhysiology of Reproduction3JRInternship or3JR	Princ of Living Systems4FRFS (S)Intro to General Chemistry Intro to General Chemistry Lab3FRFSSu (F)Economic Way of Thinking3FRFS (S)Natural Resource Conservation3FRFMontana Range Plants Lab1FRFCollege Writing I3FRFSSu (F)Livestock Feeding & Nutrition3SOFLivestock in Sustainable Systems3SOSAnatomy & Phys of Dom Animals3SOFSSu (F)Intro to Organic & Biochem Intro to Organic & Biochem Lab1SOFSSu (F)Natural Resource Ecology3SOFSSu (F)Natural Resource Ecology3SOFSSu (F)Intro to Organic & Biochem Lab3SOFSSu (F)Natural Resource Ecology3SOFSSu (F)Natural Resource Ecology3SOFSSu (F)Principles of Agricultural Business3JRSMeat Science4JRFPhysiology of Reproduction4JRSDiseases of Domestic Livestock3JRSInternship or2SBESSu	Princ of Living Systems4FRFS (S)Intro to General Chemistry Intro to General Chemistry Lab3FRFSSu (F)Economic Way of Thinking3FRFS (S)Natural Resource Conservation3FRFMontana Range Plants Lab1FRFCollege Writing I3FRFSSu (F)Livestock Feeding & Nutrition3SOFLivestock In Sustainable Systems3SOSAnatomy & Phys of Dom Animals3SOSAnatomy & Phys of Dom Animals3SOFSSu (F)Intermediate Tech Writing3SOFSSu (F)Intro to Organic & Biochem Intro to Organic & Biochem Lab3SOFSSu (F)Elementary Statistics3SOFSSu (F)Elementary Statistics3SOFSSuMata Science4JRSAnimal Nutrition3JRSPrinciples of Animal Breeding & Genetics3JRSDiseases of Domestic Livestock3JRSSInternship or2SRFSSu

LIVESTOCK &	RANGE PRACTICUM ELECTIVES	1	T	1	 TAKE TWO
ANSC 205	Intro to Meat Evaluation	2	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 308	Livestock Evaluation	2	JR	F	
EQUS 233	Horse Science and Mgmt Lab	2	SO	F	
NRSM 235	Range and Pasture Monitoring	1	SO	F	
LIVESTOCK M	ANAGEMENT ELECTIVES				CHOOSE 2
ANSC 416R	Meat Processing	3	SR	F	
ANSC 432R	Sheep Management	3	SR	S	
ANSC 434R	Beef Cattle Management	4	SR	F	
EQUS 430	Horse Management	4	SR	S	
ECON AND BU	SINESS ELECTIVES				 CREDITS REQUIRED: 9
ACTG 201	Princ of Financial Accounting	3	SO	FS	
ACTG 202	Princ 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 353	Coop Bus Principles &	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	FSu	
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	

MANAGEMEN	T AND INDUSTRY ELECTIVES					CREDITS REQUIRED: 12
AGSC 341	Field Crop Production	3	JR	S		
AGSC 342	Forages	3	SO	F		
ANSC 421	Assisted Reproductive Techniques	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 327	Equine Lameness	3	JR	F		
EQUS 423	Equine Nutrition	3	SR	F		
NRSM 353	Grazing Ecology & Management	3	JR	S		
NRSM 453	Habitat Inventory & Analysis	3	SR	F		
NRSM 455	Riparian Ecology & Management	3	JR	S		
WILD 420	Range-Wildlife Policy & Planning	3	SR	S		
FREE ELECTIV	ES		<u> </u>	<u>I</u>	C	REDITS: To meet minimum 120 cr.

Seminar (US)	Fulfilled by degree required AGED 140US or COMX 111US		
Writing (W)	Fulfilled by degree required WRIT 101W		
Quantitative Reasoning (Q)	Fulfilled by degree required STAT 216Q		
Diversity (D)			
Contemporary Issues in Science (CS)	Fulfilled by degree required BIOB 160, CHMY 121/122, NRSM 240		
Arts (IA or RA)			
Humanities (IH or RH)			
Natural Science (IN or RN)	Fulfilled by required CHMY 121/122IN		
Social Science (IS or RS)	Fulfilled by ECNS 101IS		
Research & Creative Exper. (R, RA, RH, RS, RN)	Fulfilled by degree requirement		

## **RUBRIC/NUMBER**

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: