

**Montana State University**  
**COLLEGE OF AGRICULTURE**  
**B.S. in Natural Resources and Rangeland Ecology**

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

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

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

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

DEPARTMENTAL REQUIREMENTS FOR THIS OPTION						CREDITS: 93
Dept/Course #	Course Title	Credits	Class/Semester		Year	Sub/Transfer
AGED 140 US OR COMX 111 US	Leadership Dev for Ag & Ind Employee Public Communication	3 3	FR	FS (S) FSSu (S)		
ANSC 100	Intro Animal Science	3	FR	S		
BIOB 160	Princ of Living Systems	4	FR	FS (S)		
BIOB 170	Princ of Biological Diversity	4	FR	FS (F)		
CHMY 121 IN	Intro General Chemistry	4	FR	FSSu (F)		
ECNS 101 IS	Economic Way of Thinking	3	FR	FSSu (F)		
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)		
BMGT 205 or WRIT 201 or WRIT 221	Mgmt Communication Fundamentals College Writing II Intermediate Tech Writing	3	SO	FS (F)		
ANSC 222	Livestock in Sustainable Systems	3	SO	S		
BIOB 318 OR STAT 216 Q	Biometry Elementary Statistics	3 3	SO SO	F FSSu (S)		
BIOO 230	Identification of Seed Plants	4	SO	S		
CHMY 123	Intro to Organic & Biochem	4	SO	FSSu (S)		
ENSC 245	Soils	3	SO	F		
NRSM 235	Range and Pasture Monitoring	1	SO	F		
NRSM 240	Natural Resource Ecology	3	SO	F		
WILD 301	Principles of F&WL Management	3	SO	S		
AGSC 454 OR BIOO 435	Agrostology (Alt Yrs 2015) Plant Systematics (Alt Yrs 2014)	3 3	JR JR	F F		
GPHY 284	Intro to GIS Science	3	JR	FS (F)		
NRSM 330	Fire Ecology & Management	3	JR	F		
NRSM 350	Vegetation of Western Wildlands	3	JR	S		

NRSM 351	Biomes of Western Wildlands	2	JR	S		
NRSM 353	Grazing Ecology & Management	3	JR	S		
WILD 420	Range & Wildlife Policy and Planning	3	JR	S		
BIOE 370	General Ecology	3	SR	S		
BIOO 433	Plant Physiology	3	SR	S		
ENSC 454	Landscape Pedology	3	SR	F		
NRSM 453	Habitat Inventory & Analysis	3	SR	F		
NRSM 455	Riparian Ecology & Management	3	SR	S		
WILD 438	Wildlife Habitat Ecology	3	SR	S		
<b>MUST CHOOSE ONLY ONE OPTION BELOW TO COMPLETE:</b>						
<b>RANGELAND ECOLOGY AND MANAGEMENT OPTION</b>				<b>CREDITS REQUIRED: 15</b>		
AGSC 342	Forages	3	SO	F		
ENSC 461	Restoration Ecology	3	JR	F		
WILD 325	Wildlife-Livestock Nutrition	3	JR	S		
<b>CHOOSE 6 CREDITS FROM THE FOLLOWING:</b>						
ERTH 101IN	Earth Systems Sciences	4	FR	FSSu		
ANSC 232 OR ANSC 234	Lvstk Mgmt-Sheep Lvstk Mgmt-Beef	1 1	SO SO	S S		
AGBE 210	Economics of Ag Business	3	JR	S		
ANSC 337	Diseases of Domestic Livestock	3	JR	S		
ANSC 410	Veterinary Entomology (Alt Yrs 2016)	3	JR	S		
ANSC 320	Animal Nutrition	4	SR	F		
ANSC 432R OR ANSC 434R	Sheep Management Beef Cattle Management	3 4	SR SR	S F		
BIOE 428	Freshwater Ecology	3	SR	F		
ENSC 443	Weed Ecology & Management	3	SR	F		
ENSC 444	Watershed Hydrology	3	SR	F		
NRSM 421	Holistic Thought & Management	4	SR	S		



## CORE 2.0

### RUBRIC/NUMBER

<b>Seminar (US)</b>	
<b>Writing (W)</b>	
<b>Quantitative Reasoning (Q)</b>	
<b>Diversity (D)</b>	
<b>Contemporary Issues in Science (CS)</b>	
<b>Arts (IA or RA)</b>	
<b>Humanities (IH or RH)</b>	
<b>Natural Sciences (IN or RN)</b>	
<b>Inquiry Social Science (IS or RS)</b>	
<b>Research &amp; Creative Exper. (R, RA, RH, RS, RN)</b>	

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; GPY 111; LRES 201; PHSX 205, 207, 220, 222, 224, 240, 242.

Total Credits: \_\_\_\_\_

Upper Division: \_\_\_\_\_

Student Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Advisor Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Certifying Officer: \_\_\_\_\_ Date: \_\_\_\_\_