

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: 90
Dept/Course #	Course Title	Credits	Class/Semester		Year	Sub/Transfer
ARNR 100	Intro Animal Science	3	FR	S		
ARNR 101	Natural Resource Conservation	3	FR	F		
ARNR 102	Montana Range Plants Lab	1	FR	F		
ARNR 230	Range Livestock Production	3	SO	S		
ARNR 235	Rangeland Monitoring	1	SO	F		
ARNR 240	Natural Resource Ecology	3	SO	F		
ARNR 345	Riparian Ecology & Management	3	SR	S		
ARNR 350	Vegetation of Western Wildlands	3	JR	S		
ARNR 351	Biomes of Western Wildlands	2	JR	S		
ARNR 353	Grazing Ecology & Management	3	JR	S		
ARNR 354	Fire Ecology & Management	3	JR	F		
ARNR 438	Wildlife Habitat Ecology	3	SR	S		
ARNR 453	Habitat Inventory & Analysis	3	SR	F		
AGED 251 US OR COM 110 US	Leadership Dev for Ag & Ind Employee Public Communication	3 3	FR FR	FS (S) FSSu (S)		
BCHM 122 CHMY 123	Organic & Biochemical Princ Intro to Organic & Biochem	4	SO	FSSu (S)		
BIOL 101	Organismal Biology	4	FR	FS (F)		
BIOL 102	Molecular and Cellular Biology	4	FR	FS (S)		
BIOL 230	Identification of Seed Plants	4	SO	S		
BIOL 303	Principles of Ecology	3	SR	S		
BUS 201 or ENGL 221 or WRIT 201 or ENGL 223 WRIT 221	Managerial Communication College Writing II College Writing II Technical Writing Intermediate Tech Writing	3 3 3	SO SO SO	FSSu (F) FS (F) S		
CHEM 121 IN CHMY 121 IN	Intro General Chemistry	4	FR	FSSu (F)		
ECON 101 IS ECNS 101 IS	Economic Way of Thinking	3	FR	FSSu (F)		
ENGL 121 W WRIT 101 W	College Writing I	3	FR	FSSu (F)		

F&WL 301	Principles of F&WL Management	3	SO	S		
GEOG 211 GPHY 284	Intro to GIS Science	3	JR	FS (F)		
LRES 201	Soil Resource	3	SO	F		
LRES 454	Pedology	3	SR	F		
PSPP 318 OR STAT 216 Q	Biometry Elementary Statistics	3 3	SO SO	F FSSu (S)		
PSPP 450	Plant Physiology	3	SR	S		
PSPP 454 OR PSPP 456	Agrostology (Alt Yrs 2009) Plant Systematics (Alt Yrs 2008)	3 3	JR JR	F F		
MUST CHOOSE ONLY ONE OPTION BELOW TO COMPLETE:						
RANGELAND ECOLOGY AND MANAGEMENT OPTION				CREDITS REQUIRED: 15		
ARNR 325	Wildlife-Livestock Range Nutrition	3	JR	S		
LRES 461	Restoration Ecology	3	JR	F		
PSPP 342	Forages	3	SO	F		
CHOOSE 6 CREDITS FROM THE FOLLOWING:						
AGEC 210	Economics of Ag Business	3	JR	S		
ARNR 232 OR ARNR 234	Applied Technique Lvstk Mgmt-Sheep Applied Technique Lvstk Mgmt-Beef	1 1	SO SO	S S		
ARNR 320	Animal Nutrition	4	SR	F		
ARNR 337	Diseases of Domestic Livestock	3	JR	S		
ARNR 410	Veterinary Entomology (Alt Yrs 2010)	2	JR	S		
ARNR 432 OR ARNR 434R	Sheep Management Beef Cattle Management	3 4	SR SR	S F		
BIOL 424	Freshwater Ecology	3	SR	F		
ESCI 111 IN GEO 101 IN	Physical Geology	4	FR	FSSu		
LRES 421	Holistic Thought & Management	4	SR	S		
LRES 443	Weed Ecology & Management	3	SR	F		
LRES 444	Watershed Hydrology	4	SR	F		

CORE 2.0 (Beginning 2004)

Diversity (D)	
Quantitative Reasoning (Q)	
Seminar (US)	
Writing (W)	
Inquiry Arts (IA)	
Inquiry Humanities (IH)	
Inquiry Natural Science (IN)	
Inquiry Social Science (IS)	
Contemporary Issues in Science (CS)	
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: ARNR 240; BCHM 122; BIOL 101, 102, 207, 208, 209, 210, 211, 213, 214, 215, 251; CHEM 121, 131, 132, 141, 142, 215; ENTO 204; ESCI 111, 112; GEOL 102, 204, 210; LRES 201; MB 201; MBEH 210; PHYS 205, 206, 211, 212, 213, 221, 222; PS 102

Total Credits: _____

Upper Division: _____

Student Signature: _____ Date: _____

Advisor Signature: _____ Date: _____

Certifying Officer: _____ Date: _____