

COLORADO STATE UNIVERSITY
 Department of Forest & Rangeland Stewardship
MAJOR IN RANGELAND ECOLOGY - Conservation & Management

*****NEW PROGRAM REQUIREMENTS*****

Effective for all new students beginning Fall 2015 or later. Students who have started prior to Fall 2015 have the option of completing their degree under the old OR the new requirements. See your advisor for further details.

DEGREE REQUIREMENTS: 120 credits; including 42 credits at 300-400 level; 2.0 GPA. Students are also responsible for knowing and meeting requirements in the University catalog (AUCC Category courses) and verifying all information on this form, as course information can change frequently.

Name of Student: _____

Date: _____

FRESHMAN YEAR		Semester Offered	Prerequisites	Credits	AUCC Category	
_____	NR 193	First Semester Seminar	F, S	Required for all first semester (at CSU) students in Forest & Rangeland Stewardship	1	
_____	BZ 120	Principles of Plant Biology	F, S		4	3A
_____	CHEM 107	Fundamentals of Chemistry	F, S	MATH 117 or higher or concurrent registration in MATH 118 or higher	4	3A
_____	CHEM 108	Fundamentals of Chemistry Lab	F, S	CHEM 107 (or concurrent)	1	3A
_____	CO 150	College Composition	F, S	test or scores	3	1A
_____		Arts & Humanities			3 & 3	3B
_____		Global and Cultural Awareness			3	3E
_____		Electives ⁴			5	
Select 3 Credits From the Following:						
_____	MATH 141	Calculus in Management Sciences	F, S	MATH 118 or test	3	1B
_____	MATH 117	College Algebra in Context I	F, S	Placement Exam	1	1B
_____	MATH 118	College Algebra in Context II	F, S	Math 117 or Placement Exam	1	1B
_____	MATH 125	Numerical Trigonometry	F, S	MATH 118 or Placement Exam	1	1B
SOPHOMORE YEAR		Semester Offered	Prerequisites	Credits	AUCC Category	
_____	FW 104 -OR- NR 300	Wildlife Ecology & Conservation Biological Diversity	F, S S		3	
_____	RS 300	Rangeland Conservation & Stewardship	F	NR 120 or one course in biology BZ 120 or LIFE 102	3	
_____	AREC 202 -OR- ECON 202	Agricultural and Resource Economics Principles of Microeconomics	F, S F, S	MATH 117 or concurrent registration MATH 117 or higher	3	3C

_____	BZ 223	Plant Identification	F	BZ 120 or LIFE 103	3	
_____	LIFE 220 -OR- LIFE 320 ¹	Fundamentals of Ecology Ecology	F F, S	3 credits of 100 level biology or HORT; 3 credits of 100 level math BZ 120 or similar, MATH 141 or 155 or 160	3 3	
_____	SOCR 240	Intro to Soil Science	F, S	CHEM 107 or similar	4	
_____	STAT 301 -OR- STAT 307	Intro to Statistical Methods Introduction to Biostatistics	F, S F, S	MATH 117 or higher MATH 117 or higher	3 3	
_____	SPCM 200 -OR- NRRT 262	Public Speaking Principles of Environmental Communication	F, S S		3	

SUMMER

_____	NR 220	Natural Resources Ecology & Measurements	SS	BZ 110 and BZ 111 or BZ 120 or LIFE 103; MATH 118 or one course from MATH 229 or higher	5	
_____	RS 329	Rangeland Assessment	SS	SOCR 240; RS 300; RS 310 and RS 312	1	

JUNIOR YEAR

		Semester Offered		Prerequisites		Credits	AUCC Category
_____	BZ 440	Plant Physiology	S	BZ 120 or LIFE 103	3		
_____	CO 300 -OR- CO 301B -OR- JTC 300	Writing Arguments Writing in the Disciplines- Sciences Prof & Tech Communication	F, S F, S F, S	CO 150 or HONR 193 CO 150 or HONR 193 CO 150 or HONR 193	3 3	2	
_____	BSPM 308	Ecology and Management of Weeds	F	BZ 120 or LIFE 102; CHEM 107 or CHEM 111	4		
_____	NR 320	Nat Resources History & Policy	F, S	junior standing	3	3D	
_____	RS 310	Forest and Rangeland Ecogeography	F, S	BZ 120 or similar and concurrent enrollment in RS 312	3		
_____	RS 312	Rangeland Plant ID	F	RS 312 or concurrent enrollment in RS 310	1		
_____	NR 319 -OR- NR 322	Geospatial Applications in NR Introduction to Geographic Information Systems	F, S F	junior standing	4		
_____	RS 432	Rangeland Measurement and Monitoring	F	NR 220 or RS 331; RS 300; STAT 201, 301 or 307	2		

_____	SOCR 440 -OR- SOCR 442	Pedology Forest and Range Soils	F		4	
_____	RS 351	Wildland Ecosystems in a Changing World	F	LAND220/LIFE220 or LIFE 320; SOCR 240	3	4A, 4B
_____	WR 304	Principles of Watershed Mgmt.	F, S	Completion of the AUCC 1B mathematics requirement	3	

SENIOR YEAR			Semester Offered	Prerequisites	Credits	AUCC Category
_____	AREC 305 ³	Agricultural and Resource Enterprise Analysis	F, S	AGRI 140 or BUS 150 or CIS 120 or CS 110; AREC 202 or ECON 202	3	
_____	ANEQ 472 -OR- ANEQ 478	Sheep Systems Beef Systems	S F	senior status senior status	3	
_____	RS 452	Rangeland Herbivore Ecology and Management	S	RS 300; LAND 220 or LIFE 220	3	4B
_____	NR 420	Integrated Ecosystem Mgmt.	F, S	Ecology, NR 220, NR 320, senior standing	4	4C
_____	RS 478	Ecological Restoration	S	BZ 450 or F 311 or LIFE 220; SOCR 240	3	
_____		Electives			4-6	

SELECT ONE OF THE FOLLOWING:						
_____	BZ/NR 353	Global Change Ecology, Impacts and Mitigation	S	LIFE 320 or LAND/LIFE 220	3	
_____	BZ 450	Plant Ecology	S	LIFE 103 or BZ 120	4	
_____	BZ 471	Stream Biology and Ecology	F (odd yrs.)	LIFE 320 or LAND/LIFE 220	3	
_____	LAND 444	Ecology of Landscapes	S	LAND/LIFE 220 or LIFE 320	3	

SELECT ONE OF THE FOLLOWING:						
_____	NR 400	Public Relations in NR	F, S	NR 320		
_____	NRRT 360 ²	Group Decision Making in NR	F	NRRT 262	3	
_____	NRRT 362 ²	Environmental Conflict Mgmt.	F	NRRT 262		

¹ Students planning to take LIFE 320 in the sophomore year should take MATH 141 in the freshman year

² Students planning to take either NRRT 360 or NRRT 362 in the senior year should choose NRRT 262 in the sophomore year.

³ Students will need an override from the Department of Agricultural and Resource Economics to take this course.

⁴Select enough elective credits to bring the program total to a minimum of 120 credits, of which at least 42 must be upper-division (300-1