



# B.S. Forest and Rangeland Stewardship

## Rangeland Conservation and Management Concentration

*Wide Open Spaces*

### Degree Checklist

Accredited by the  
Society for Range  
Management

*Find your rangeland  
niche. Implement  
management strategies  
for multiple land uses on  
rangelands - the world's  
largest land cover type.*



FOREST AND RANGELAND  
STEWARDSHIP  
COLORADO STATE UNIVERSITY

A part of Warner College of Natural Resources

# Major in Forest and Rangeland Stewardship Rangeland Conservation and Management Concentration

## FRESHMAN YEAR

AUCC

	Course	Semester	Prerequisites	Credits	Category
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Credits Category

---	NR 193	First Semester Seminar	F, S	Required for all first semester CSU students in FRS	1	---
---	BZ 120	Principles of Plant Biology	F, S	---	4	3A
---	CHEM 107	Fundamentals of Chemistry	F, S, SS	MATH 117 or higher or concurrent enrollment in MATH 118 or higher	4	3A
---	CHEM 108	Fundamentals of Chemistry Lab	F, S, SS	CHEM 107 or concurrent enrollment	1	3A
---	CO 150	College Composition	F, S, SS	Test or scores or CO 130	3	1A
---		Arts & Humanities			3 + 3	3B
---		Global and Cultural Awareness			3	3E
---		Electives <sup>1</sup>			3	---

Choose 3 credits from the following:

---	MATH 141	Calculus in Management Sciences	F, S, SS	MATH 118 or test	3	1B
---	MATH 117	College Algebra in Context I	F, S, SS	Placement Exam	1	1B
---	MATH 118	College Algebra in Context II	F, S, SS	MATH 117 or Placement Exam	1	1B
---	MATH 125	Numerical Trigonometry	F, S, SS	MATH 118 or Placement Exam	1	1B

## SOPHOMORE YEAR

---	FW 104	Wildlife Ecology and Conservation	F, S	---	3	---
---	-or- NR 300	Biological Diversity	S	NR 120 or one biology course	3	---
---	RS 300	Rangeland Conservation and Stewardship	F	BZ 120 or LIFE 102	3	---
---	AREC 202	Agricultural and Resource Economics	F, S	MATH 117 or concurrent enrollment	3	3C
---	-or- ECON 202	Principles of Microeconomics	F, S, SS	MATH 117 or higher	3	3C
---	BZ 223	Plant Identification	F, SS	BZ 120 or LIFE 103	3	---
---	LAND/LIFE 220	Fundamentals of Ecology	F	3 credits of 100 level biology or HORT; 3 credits of 100 level MATH	3	---
---	-or- LIFE 320 <sup>2</sup>	Ecology	F, S	BZ 120 or equivalent and MATH 141, 155 or 160	3	---
---	SOCR 240	Introductory Soil Science	F, S	CHEM 107 or equivalent	4	---
---		Electives			2	---

___	STAT 301	Introduction to Statistical Methods	F, S, SS	MATH 117 or higher	3	---
___	-or- STAT 307	Introduction to Biostatistics	F, S, SS	MATH 117 or higher		
___	SPCM 200	Public Speaking	F, S, SS	---	3	---
___	-or- NRRT 262	Principles of Environmental Communication	S	---		

## SUMMER SESSION (CSU Mountain Campus)

___	NR 220	Natural Resource Ecology and Measurements	SS	BZ 110 and BZ 111 or BZ 120 or LIFE 103 MATH 118 or (1) MATH 141 to 161 or (1) MATH 229 or higher	5	---
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## JUNIOR YEAR

___	BZ 440	Plant Physiology	S	BZ 120 or LIFE 103	3	---
___	CO 300	Writing Arguments	F, S, SS	CO 150 or HONR 193		
___	-or- CO 301B	Writing in Science Disciplines	F, S	CO 150 or HONR 193	3	2
___	-or- JTC 300	Professional and Technical Communications	F, S, SS	CO 150 or HONR 193		
___	BSPM 308	Ecology and Management of Weeds	F	BZ 120 or LIFE 102; CHEM 107 or CHEM 111	4	---
___	NR 320	Natural Resources History and Policy	F, S	Junior Standing	3	3D
___	RS 310	Forest and Rangeland Ecogeography	F, S	BZ 102 or equivalent and RS 312 concurrent enrollment	3	---
___	RS 312	Rangeland Plant ID	F	RS 310 concurrent enrollment	1	---
___	NR 319	Geospatial Applications in Natural Resources	F, S	Junior Standing	4	---
___	-or- NR 322	Introduction to Geographic Information Systems	F	---		
___	RS 432	Rangeland Measurement and Monitoring	F	NR 220; RS 300; STAT 201, 301 or 307	2	---
___	RS 351	Wildland Ecosystems in a Changing World	F	LAND/LIFE 220 or LIFE 320; SOCR 240	3	4A, 4B
___	WR 304	Principles of Watershed Management	F, S	Completion of the AUCC 1B MATH requirement	3	---
___	F311	Forest Ecology	F, S	LAND/LIFE 220 or LIFE 320	3	---

F = Fall S = Spring SS = Summer Session

<sup>1</sup> Select enough elective credits to bring the program total to a minimum of 120 credits, of which at least 42 must be upper division (300-400)

<sup>2</sup> Students planning to take LIFE 320 in their Sophomore year should take MATH 141 in their Freshman year.

**Degree Requirements: 120 credits (42 credits at 300-400 level); 2.0 GPA**  
 Students are responsible for knowing and meeting requirements in the University catalog (AUCC courses). \*Verify all information on this form regularly as course information can change frequently.

Course	Semester	Prerequisites	Credits	Category
RS 329 Rangeland Assessment (one week course)	SS	SOCR 240; RS 300; F/RS 310	1	---

## SENIOR YEAR

AREC 305 <sup>3</sup> Agric. 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 Sheep Systems	S	Senior Standing	3	---
-or- ANEQ 478 Beef Systems	F	Senior Standing	3	---
RS452 Rangeland Herbivory Ecology and Mgmt.	S	RS 300; LAND/LIFE 220 or LIFE 320	3	4B
NR 420 Integrated Ecosystem Management	F, S	LAND/LIFE 220 or LIFE 320; NR 220, 319, 320; Senior Standing	4	4C
RS 478 Ecological Restoration	S	BZ 450 or F 311 or LAND/LIFE 220 or LIFE 320; SOCR 240	3	---
F326 Wildland Fire Behavior and Management	F	LAND/LIFE 220 or LIFE 320	3	---
Electives			3-4	---

### Choose one course from the following list:

BZ/NR 353 Global Change Ecology, Impacts and Mitigation	S	LAND/LIFE 220 or LIFE 320	3	---
BZ 450 Plant Ecology	S	LIFE 103 or BZ 120	4	---
BZ 471 Stream Biology and Ecology	F (odd)	LAND/LIFE 220 or LIFE 320	3	---
LAND 444 Ecology of Landscapes	S	LAND/LIFE 220 or LIFE 320	3	---
SOCR 440 Pedology	F	---	4	---
SOCR 442 Forest and Range Soils	S	---	3	---

### Choose one course from the following list:

NR 400 Public Relations in Natural Resources	F, S	NR 320	3	---
NRRT 360 <sup>4</sup> Group Decision Making in Natural Resources	F	NRRT 262	3	---
NRRT 362 <sup>4</sup> Environmental Conflict Management	F	NRRT 262	3	---

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

<sup>4</sup> Students planning to take either NRRT 360 or 362 as a senior should take NRRT 262 as a sophomore.

