



# B.S. Forest and Rangeland Stewardship

## Forest Management Concentration

*Pathless Woods*

### Degree Checklist

Accredited by the  
Society of American  
Foresters

*See the forest for the  
trees. Become part of a  
renowned interdisciplinary  
legacy that continues to  
expand the wide scope of  
forest management.*



FOREST AND RANGELAND  
STEWARDSHIP  
COLORADO STATE UNIVERSITY

A part of Warner College of Natural Resources

# Major in Forest and Rangeland Stewardship

## Forest Management Concentration

### FRESHMAN YEAR

					AUCC	
Course		Semester	Prerequisites	Credits	Category	
— F 101	Intro to Forest and Rangeland Stewardship	F	---	1	---	
— 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 concurrent enrollment in MATH 118 +	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	
— MATH 141	Calculus in Management Sciences <sup>1</sup>	F, S, SS	MATH 118 or test	3	1B	
— SPCM 200	Public Speaking	F, S, SS	---	3	---	
— ECON 202	Principles of Microeconomics	F, S, SS	MATH 117 or higher	3	3C	
—	Arts & Humanities		---	3 + 3	3B	
—	Diversity, Equity, and Inclusion		---	3	1C	

<sup>1</sup> MATH 117 and 118 are considered review courses and are necessary prerequisites for MATH 141.

### SOPHOMORE YEAR

— F 209	Intro to Forest and Rangeland Ecology	F	Three credits of BZ or LIFE <i>and</i> MATH 118 or higher	3	---	
— WR 204	Sustainable Watersheds	F, S	---	3	3A	
— SOCR 240	Introductory Soil Science	F, S	CHEM 107 or higher	4	---	
— STAT301	Introduction to Statistical Methods	F, S, SS	MATH 117 or higher	3	---	
— F 310	Forest and Rangeland Ecogeography	F, S	BZ 120 or any intro. biology	3	---	
— F 312	Dendrology Lab	F, S	BZ 120	2	---	
—	Historical Perspectives			3	3D	
—	Electives <sup>1</sup>			3	---	

### SUMMER FIELD COURSES [CSU Mountain Campus]

— NR 220	Natural Resource Ecology and Measurements	SS	BZ 110 <i>and</i> BZ 111 or BZ 120 or LIFE 103 MATH 118 or MATH 141 or higher	5	---	
— F 230	Forestry Field Measurements	SS	---	2	---	

### JUNIOR YEAR

— JTC 300	Professional and Technical Communication	F, S, SS	CO 150 or HONR 193	3	2	
— F 311	Forest Ecology	F, S	F 209 or LIFE 220/320	3	---	
— F 321	Forest Biometry	F	NR 220; F 230; STAT 201 or 301; <i>and</i> MATH 141	3	---	
— F 322	Economics of the Forest Environment	F, S	ECON 202 or equivalent	3	---	
— F 325	Silviculture	S	NR 220	3	---	
— F 330	Timber Harvesting and Environment	S	F 321	1	---	
— F 335	Applications of Silviculture	S	F 325 or concurrent enrollment	1	---	
— NR 319	Geostatistical Applications in Natural Resources	F, S	Junior Standing	4	---	
— NR 320	Natural Resources History and Policy	F, S	Junior Standing	3	---	
— RS 300	Rangeland Stewardship and Conservation	F	BZ 120 or LIFE 102	3	---	
—	Directed Electives*		*Select 6 credits from the list on the back page	6	---	

### SENIOR YEAR

— BSPM 365	Integrated Tree Health Management	F	BZ 120 or equivalent	4	---	
— F 421	Ecological Forest Management	F	F 311, 321, 325, and 335	3	4A, C	
— F 422	Quantitative Methods in Forest Management	F	F 321 <i>and</i> 322	3	---	
— F 326	Wildland Fire Behavior and Management	F	F 209 or LIFE 220/320	3	---	
— NR 425	Natural Resources Policy and Sustainability	S	NR 320	3	4B	
—	Electives <sup>1</sup>			8	---	

(+) = or higher    F = Fall    S = Spring    SS = Summer Session    <sup>1</sup> Select elective credits to bring the program total to 120+ credits. (42+ must be upper-division (300- to 400-level))

**\*DIRECTED ELECTIVES**  
**SELECT AT LEAST 6 CREDITS FROM THE LIST BELOW:**

Course	Semester	Prerequisites	Credits
— F 425 Advanced Wildland Fire Management	S	F 326 and NR 319	3
— FW 260 Principles of Wildlife Management	F, S	MATH 124 and BZ 110 or LIFE 103	3
— HIST 355 American Environmental History	S	HIST 101, 150, 151 or 171 and 45 completed credits	3
— HORT 464A Arboriculture	F	HORT 100 and SOCR 240	3
— F 466 Urban and Community Forestry	F	F/RS 310 or HORT 221	3
— PHIL 345 Environmental Ethics	F, S	Sophomore Standing or higher	3
— NR 323 Remote Sensing and Image Interpretation	F	---	3
— NR 400 Public Relations in Natural Resources	F, S	CO 300 or CO 301B or JTC300	3
— NR 423 Applications of Global Positioning Systems	F, S	NR 322 or NR 505	1
— NR 444 Fire Economics and Policy	F	ECON 202 or AREC 202	3
— POLS 361 U.S. Environmental Politics and Policy	F, S	POLS 101	3
— RS 312 Rangeland Plant ID lab	F	---	1
— RS 329 Rangeland Assessment	SS	SOCR 240 and RS 300 and F/RS 310	1
— RS 351 Wildland Ecosystems in a Changing World	F	F 209; SOCR 240	3
— RS 432 Rangeland Measurements and Monitoring	F	NR 220; RS 300 or CE; STAT 201, 301 or 307	2
— RS 452 Rangeland Herbivory Ecology and Mgmt.	S	RS 300 and F 209	3
— RS 478 Restoration Ecology	S	BZ 450, F 311 or F 209; and SOCR 240	3
— SOC 320 Population- Natural Resources & Environment	F	SOC 100 or 105	3
— SOCR 440 Pedology	F	---	4

**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.

