



B.S. Forest and Rangeland Stewardship

Forest Fire Science Concentration

Fight Fire with Fire

Degree Checklist

Accredited by the Society of American Foresters

Certified by the Association for Fire Ecology

Gain understanding about the natural benefits of fire and its use as a forest management tool.



FOREST AND RANGELAND
STEWARDSHIP
COLORADO STATE UNIVERSITY

A part of Warner College of Natural Resources

Major in Forest and Rangeland Stewardship Forest Fire Science Concentration

FRESHMAN YEAR

AUCC

Course	Semester	Prerequisites	Credits	Category	
— F 101	Intro to Forest & 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, SS	---	4	3A
— CHEM 107	Fundamentals of Chemistry	F, S, SS	MATH 117 or higher or test	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
— PH 110	Physics of Everyday Phenomena	F, S	---	3	3A
— MATH 141	Calculus in Management Sciences ¹	F, S, SS	MATH 118 or test	3	1B
— SPCM 200	Public Speaking	F, S, SS	---	3	---
—	Arts & Humanities			3 + 3	3B
—	1C			3	1C

¹ Students considering graduate study in Forest Fire Science should substitute MATH 155 - 255 or MATH 160-161 (with appropriate prerequisites) for MATH 141.

SOPHOMORE YEAR

—	ATS 350	Introduction to Weather and Climate	F	---	2	---
—	F 209	Intro to Forest and Rangeland Ecology	F	Three credits of BZ or LIFE and MATH 118 or higher	3	---
—	STAT 301	Introduction to Statistical Methods	F, S, SS	MATH 117 or higher	3	---
—	SOCR 240	Introductory Soil Science	F, S	CHEM 107 or higher	4	---
—	ECON 202	Principles of Microeconomics	F, S, SS	MATH 117 or concurrent enrollment	3	3C
—	or AREC 202	Agricultural and Resource Economics	F, S	MATH 117 or concurrent enrollment		
—	F/RS 313	Dendrology and Herbaceous Plant ID	F, S	BZ 120 or intro biology course	3	---
—	RS 300	Rangeland Conversation and Stewardship	F	BZ120/ LIFE102/LIFE 103 + F209 or LAND220 or LIFE 220/320	3	---
—		Historical Perspectives			3	3D

SUMMER FIELD COURSES [CSU Mountain Campus]

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

JUNIOR YEAR

—	BSPM 365	Integrated Tree Health Management	F	BZ 120 or equivalent	4	---
—	CO 300	Writing Arguments	F, S, SS	CO 150 or HONR 193	3	2
—	-or- CO 301B	Writing for the Disciplines - Science	F, S	CO 150 or HONR 193		
—	-or- JTC 300	Strategic Writing & Communication	F, S, SS	CO 150 or HONR 193		
—	F 311	Forest Ecology	F, S	F 209 or LIFE 220/320	3	---
—	F 321	Forest and Natural Resource Biometry	F	MATH 117+ (3+ cr); and NR 220; and STAT 201 or 301	3	---
—	F 322	Economics of the Forest Environment	F, S	ECON 202 or equivalent	3	---
—	F 324	Fire Effects and Adaptations	S	F 209 or LAND 220 or LIFE 220/320	3	---
—	F 325	Silviculture	S	NR 220	3	---
—	F 330	Forest Planning and Wood Harvesting Systems	S	F 321	2	---
—	F 335	Applications of Silviculture	S	F 325 or concurrent enrollment	1	---
—	NR 319	Introduction to Geospatial Science	F, S	---	4	---
—	NR 320	Natural Resources History and Policy	F, S, SS	Junior Standing	3	---

SENIOR YEAR

—	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 and 322	3	---
—	F 326	Wildland Fire Behavior and Management	F	F 209 or LIFE 220/320	3	---
—	F 425	Advanced Wildland Fire Management	S	F 326 and NR 319	3	---
—	NR 425	Natural Resource Policy and Sustainability	S	NR 320	3	4B
—	NR 444	Fire Economics and Policy	F	ECON 202 or equivalent	3	---
—	WR 204	Sustainable Watersheds	F, S	---	3	3A
—		Electives ²			4	

(+) = or higher F = Fall S = Spring SS = Summer Session

² 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- to 400-level).

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.

