

# B.S. Forest and Rangeland Stewardship

## Forest Fire Science Concentration

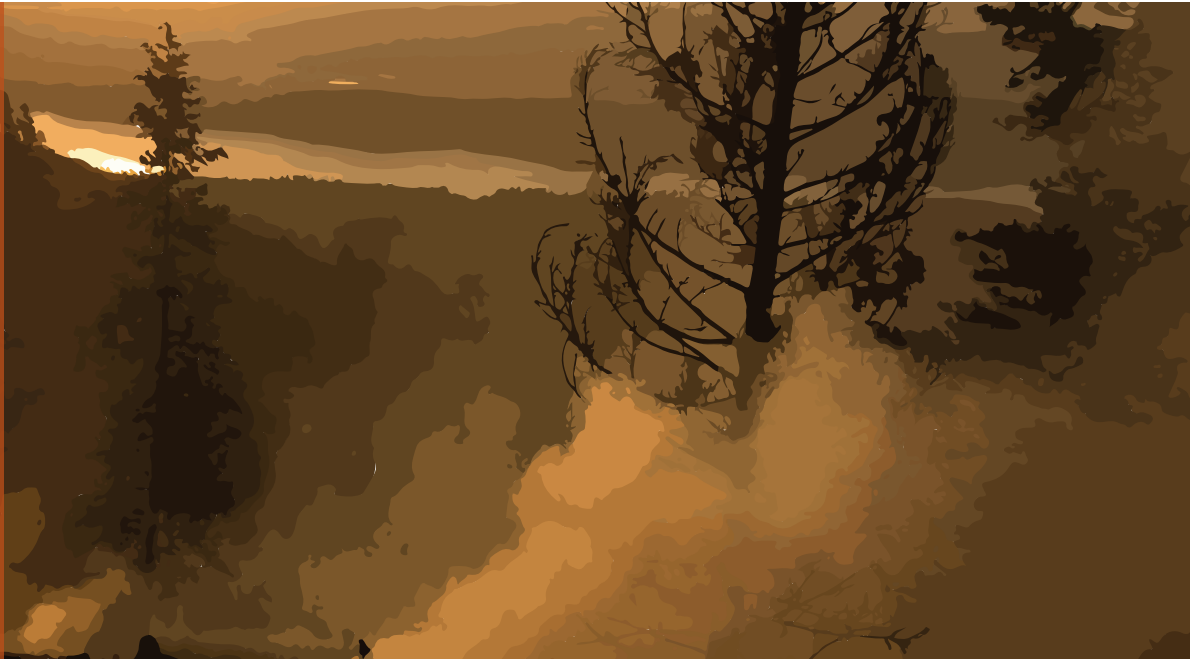
*Fight Fire with Fire*

### Degree Checklist

Accredited by the  
Society of American  
Foresters

Certified by the  
Association for Fire  
Ecology

*Gain understanding about  
the natural phenomenon of  
fire and the use of fire 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

Course	Semester	Prerequisites	Credits	AUCC Category
— NR 193	First Semester Seminar	F, S	1	---
— BZ 120	Principles of Plant Biology	F, S	4	3A
— CHEM 107	Fundamentals of Chemistry	F, S, SS	4	3A
— CHEM 108	Fundamentals of Chemistry Lab	F, S, SS	1	3A
— CO 150	College Composition	F, S, SS	3	1A
— PH 110	Descriptive Physics	F, S	3	3A
— MATH 141	Calculus in Management Sciences <sup>1</sup>	F, S, SS	3	1B
— SPCM 200	Public Speaking	F, S, SS	3	---
—	Arts & Humanities		6	3B
—	Global and Cultural Awareness		3	3E
—	Electives		3	---

<sup>1</sup> 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	---
— LIFE 320	Ecology	F, S	3	---
— STAT 301	Introduction to Statistical Methods	F, S, SS	3	---
— SOCR 240	Introductory Soil Science	F, S	4	---
— ECON 202	Principles of Microeconomics	F, S, SS	3	3C
— F 310	Forest and Rangeland Ecogeography	F, S	3	---
— F 312	Dendrology Lab	F, S	1	---
— RS 300	Rangeland Stewardship and Conservation	F	3	---

## SUMMER FIELD COURSES [CSU Mountain Campus]

_____	NR 220	Natural Resource Ecology and Measurements	SS	BZ 110 and 111; or BZ 120 or LIFE 103	5	---
_____	F 230	Forestry Field Measurements	SS	MATH 118 or (1) MATH 141 to 161 or (1) MATH 229 or higher	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
_____	F 311	Forest Ecology	F, S	LAND/LIFE 220 or LIFE 320	3	---
_____	F 321	Forest Biometry	F	NR 220; F 230; MATH 141; 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	LAND/LIFE 220 or LIFE 320	3	---
_____	F 325	Silviculture	S	F 230, 311 and NR 220	3	---
_____	F 330	Timber Harvesting and Environment	S	F 230 or 321	3	---
_____	NR 319	Geospatial Applications in Natural Resources	F, S	Junior Standing	4	---
_____	NR 320	Natural Resources History and Policy	F, S	Junior Standing	3	3D

## SENIOR YEAR

_____	F 421	Forest Stand Management	F	F 230, 321, 322 and 325	4	4A, C
_____	F 422	Quantitative Methods in Forest Management	F	F 321 and 322	3	---
_____	F 326	Wildland Fire Behavior and Management	F	LAND/LIFE 220 or LIFE 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 304	Principles of Watershed Management	F, S	Completion of the AUCC 1B MATH requirement	3	---
_____		Electives			3	---

(1) = Choose one course (+) = or higher F = Fall S = Spring SS = Summer Session

**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.

Having at least 200 hours of acceptable professional work experience in the student's field prior to graduation is required. This can include summer/seasonal/school semester employment in natural resource management through paid summer jobs, an approved internship, volunteer positions, or work study experience.

Acceptable work experience includes (but is not limited to) working for federal, state, non-governmental, private and university organizations that research or manage natural resources.

