

COLORADO STATE UNIVERSITY

Forest & Rangeland Stewardship

MAJOR IN FORESTRY - **Forest Fire Science**

NEW PROGRAM REQUIREMENTS

Effective for all new students beginning Spring 2016 or later. Students who have started prior to Spring 2016 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: _____ **Advisor:** _____

Initials or list course sub.	FRESHMAN YEAR		Semester Offered (Fall or Spring)	Prerequisites	Credits	AUCC Category
	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 & Cultural Awareness			3	3E
	PH 110	Descriptive Physics	F, S		3	3A
	MATH 141	Calculus in Management Sciences ¹	F, S	MATH 118 or test	3	1B
	SPCM 200	Public Speaking	F, S		3	
		Electives			3	

Initials or list course sub.	SOPHOMORE YEAR		Semester Offered (Fall or Spring)	Prerequisites	Credits	AUCC Category
	ATS 350	Introduction to Weather and Climate	F		2	
	LIFE 320	Ecology	F, S	BZ 120 or similar, MATH 141 or 155 or 160	3	
	STAT 301	Intro to Statistical Methods	F, S	MATH 117	3	
	SOCR 240	Introductory Soil Science	F, S	CHEM 107 or similar	4	
	ECON 202	Principles of Microeconomics	F, S	MATH 117 or higher	3	3C
	F 310	Forest and Rangeland Ecogeography	F, S	BZ 120 or any intro. biology, concurrent enrollment in F 312	3	
	F 312	Dendrology Lab	F, S	Concurrent enrollment in F 310	1	
		Electives			3	

CSU MOUNTAIN CAMPUS:						
	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 141 to 161, or one course from MATH 229 or higher	5	
	F 230	Forestry Field Measurements	SS		2	
		Professional Work Experience		For more information see the Professional Work Experience Form at: http://warnercnr.colostate.edu/frs-undergraduate-study/student-resources	200 hours	

Initials or list course sub.	JUNIOR YEAR		Semester Offered (Fall or Spring)	Prerequisites	Credits	AUCC Category
	BSPM 365	Integrated Tree Health Management	F	BZ 120 or similar	4	2
	CO 300	Writing Arguments	F, S	CO 150 or HONR 193	3	
	F 311	Forest Ecology	F, S	Ecology	3	
	F 321	Forest Biometry	F	NR 220; F 230; STAT 201 or STAT 301; MATH 141	3	
	F 322	Econ of Forest Environment	F, S	ECON 202 or similar	3	
	F 324	Fire Effects and Adaptations	S	Ecology	3	
	F 325	Silviculture	S	F 230, F 311, NR 220	3	
	F 330	Timber Harvesting and Environ.	S	F 230 or 321	3	
	NR 319	Geospatial Applications in NR	F, S	junior standing	4	
	NR 320	Nat Resources History & Policy	F, S	junior standing	3	

Initials or list course sub.	SENIOR YEAR		Semester Offered (Fall or Spring)	Prerequisites	Credits	AUCC Category
	F 421	Forest Stand Management	F	F 230, F 321, F 322, F 325	4	4A, C
	F 422	Quantitative Methods in Forest Management	F	F 321, F 322	3	4B
	F 326	Wildland Fire Behavior and Management	F	Ecology	3	
	F 425	Advanced Wildland Fire Management	S	F 424, NR 319	3	
	NR 425	NR Policy and Sustainability	S	F 325, NR 320	3	4B
	NR 444	Fire Economics and Policy	S	ECON 202	3	3
	WR 304	Principles of Watershed Mgmt	F, S	Completion of the AUCC 1B mathematics requirement	3	
		Electives			4	

¹Students considering graduate study in Forest Fire Science should substitute MATH155 - MATH255 or MATH160 - MATH161 (with appropriate prerequisites) for MATH 141.