

COLORADO STATE UNIVERSITY

Forest & Rangeland Stewardship

MAJOR IN FORESTRY - Forest Biology Concentration

*****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: _____

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, or CO 130	3	1A
_____	MATH 155	Calculus for Biol. Scientists ¹	F, S	MATH 124, MATH 125	4	1B
_____	SPCM 200	Public Speaking	F, S		3	
_____		Arts & Humanities			3 & 3	3B
_____		Global and Cultural Awareness			3	3E

SOPHOMORE YEAR			Semester Offered (Fall or Spring)	Prerequisites	Credits	AUCC Category
_____	LIFE 320	Ecology	F, S	BZ 101 or BZ 104 or BZ 110 or BZ 120 or LIFE 102; MATH 141 or MATH 155 or MATH 160	3	
_____	CHEM 245	Fundamentals of Organic Chemistry	F, S	CHEM 107 or CHEM 113	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	
_____	PH 121	General Physics I	F, S	MATH 125 or concurrent registration	5	
_____	SOCR 240	Introductory Soil Science	F, S	CHEM 107 or similar	4	
_____	F 311	Forest Ecology	F, S	Ecology	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	

JUNIOR YEAR		Semester Offered (Fall or Spring)	Prerequisites	Credits	AUCC Category	
_____	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 325	Silviculture	S	F 230, F 311, NR 220	3	
_____	NR 320	Nat Resources History & Policy	F, S	Junior Standing	3	3D
_____	WR 304	Principles of Watershed Management	F, S	Completion of AUCC 1B Math Requirement	3	
_____	STAT 301	Intro to Statistical Methods	F, S	MATH 117 or higher	3	
_____		Electives			4	

SENIOR YEAR		Semester Offered (Fall or Spring)	Prerequisites	Credits	AUCC Category	
_____	BZ 440	Plant Physiology	S	BZ 120 or LIFE 103	3	
_____	BSPM 365	Integrated Tree Health Management	F	BZ 120 or similar	4	4A
_____	NR 319	Geospatial Applications in NR	F, S	Junior Standing	4	
_____	JTC 300	Prof & Tech Communication	F, S	CO 150 or HONR 193	3	2
_____	F 421	Forest Stand Management	F	F 230, F 321, F 322, F 325	4	4A, C
_____	F 326	Wildland Fire Behavior & Mgmt.		LIFE 320 or LAND 220 or LIFE 220.	3	
_____	NR 425	NR Policy & Sustainability	S	F 325, NR 320	3	4B
_____		Biology Electives ²			12	

¹MATH 117, MATH 118, MATH 124 and MATH 125 are considered review courses, but are necessary prerequisites for MATH 155.

²Biology electives . . . Course selection is students' choice, Biology electives should be chosen in consultation with the students advisor.

Acceptable Forest Biology Electives

Junior or Senior Year: Select at least 12 credits from the following list:

Credits	Course	Title	When Offered
4	BC 351	Principles of Biochemistry	F, S
2	BSPM 302	Applied and General Entomology	F
3	BSPM 361	Elements of Plant Pathology	S
3	BZ 223	Plant Identification	F
4	BZ 331	Developmental Plant Anatomy	F
4	BZ 338	Comparative Morphology of Vascular Plants	S (odd years)
3	BZ 346	Population and Evolutionary Genetics	F
2	BZ 441	Plant Physiology Laboratory	S
4	BZ 450	Plant Ecology	S
3	CHEM 341	Modern Organic Chemistry I	F,S
3	CHEM 343	Modern Organic Chemistry II	F,S
2	CHEM 344	Modern Organic Chemistry Laboratory	F, S
3	F 324	Fire Effects and Adaptations	S
3	FW 477	Habitat for Wildlife	F
3	NR 300	Biological Diversity	S
3	RS 351	Wildland Ecosystems in a Changing World	F
3	RS 452	Rangeland Herbivore Ecology and Management	F, S
3	SOCR 330	Principles of Genetics	F,S
4	SOCR 440	Pedology	F
3	SOCR 467	Soil Chemistry	S
3	SOCR 470	Soil Physics	F
1	SOCR 471	Soil Physics Laboratory	F

***Check catalog for prerequisites**