MAJOR IN RESTORATION ECOLOGY

Requirements
Effective Fall 2024

Freshman

		AUCC	Credits
BZ 120	Principles of Plant Biology (GT-SC1)	3A	4
CHEM 107	Fundamentals of Chemistry (GT-SC2)	3A	4
CHEM 108	Fundamentals of Chemistry Laboratory (GT-SC1)	3A	1
CO 150	College Composition (GT-CO2)	1A	3
F 101	Intro to Forest and Rangeland Stewardship		1
NR 193	FRS First Semester Seminar		1
Select 3 credits from the following:			3
MATH 117	College Algebra in Context I (GT-MA1)	1B	
MATH 118	College Algebra in Context II (GT-MA1)	1B	
MATH 125	Numerical Trigonometry (GT-MA1)	1B	
MATH 141	Calculus in Management Sciences (GT-MA1)	1B	
1C (https://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#aucc)		1C	3
Arts and Humanities (https://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#arts-humanities)		3B	6
Historical Perspectives (https://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#historical-perspectives)		3D	3
	Total Credits		**29**

Sophomore

BZ 223	Plant Identification		3
F 209	Introduction to Forest and Rangeland Ecology		3
RS 300	Rangeland Conservation and Stewardship		3
SOCR 240	Introductory Soil Science		4
SPCM 200	Public Speaking		3
Select one course from the following:			3
FW 104	Wildlife Ecology and Conservation (GT-SC2)	3A	
NR 300	Biological Diversity		
Select one course from the following:			3
STAT 301	Introduction to Applied Statistical Methods		
STAT 307	Introduction to Biostatistics		
Social and Behavioral Sciences (https://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#social-behavioral-sciences)		3C	3
Electives			4
	Total Credits		**29**

Summer

NR 220	Natural Resource Ecology and Measurements		5
	Total Credits		**5**

Junior

BSPM 308	Ecology and Management of Weeds		3
F 311	Forest Ecology		3
GR 204/WR 204	Sustainable Watersheds (GT-SC2)	3A	3

NR 319	Introduction to Geospatial Science		4
NR 320	Natural Resources History and Policy		3
RS 313/F 313	Dendrology and Herbaceous Plant ID		3
RS 378	Disturbance Ecology		2
Select one course from the following:			3-4
BZ 440	Plant Physiology		
HORT 260	Plant Propagation		
HORT 321	Nursery Production and Management		
Select one course from the following:			3
CO 300	Writing Arguments (GT-CO3)	2	
CO 301B	Writing in the Disciplines: Sciences (GT-CO3)	2	
JTC 300	Strategic Writing and Communication (GT-CO3)	2	
Elective			3
	Total Credits		**30-31**

Senior

NR 477	Restoration Case Studies Field Tour	4C	1
NR 479	Restoration Case Studies	4C	2
RS 432	Rangeland Measurements and Monitoring		2
RS 478	Ecological Restoration	4A,4B	3
Select one course from the following:			1-4
SOCR 341	Microbiology for Sustainable Agriculture		
SOCR 350	Soil Fertility Management		
SOCR 440	Pedology		
SOCR 442	Forest and Range Soils		
SOCR 455	Microbiomes of Soil Systems		
SOCR 456	Soil Microbiology Laboratory		
SOCR 467	Soil and Environmental Chemistry		
SOCR 470	Soil Physics		
SOCR 471	Soil Physics Laboratory		
Select one course from the following:			3-4
BZ 450	Plant Ecology		
BZ 471	Stream Biology and Ecology		
Select one course from the following:			3
F 324	Fire Effects and Adaptations		
F 325	Silviculture		
F 326	Wildland Fire Behavior and Management		
F 425	Advanced Wildland Fire Behavior and Management		
Electives[1]			8-11
	Total Credits		**26-27**
	Program Total Credits:		**120**

[1] 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).