

# MAJOR IN RESTORATION ECOLOGY

## Major Completion Map

### Freshman

Semester 1		Critical	Recommended	AUCC	Credits
BZ 120	Principles of Plant Biology (GT-SC1)			3A	4
F 101	Intro to Forest and Rangeland Stewardship				1
NR 193	FRS First Semester Seminar				1
Select 3 credits from the following:		X			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	
Arts and Humanities ( <a href="http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#arts-humanities">http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#arts-humanities</a> )				3B	3
Historical Perspectives ( <a href="http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#historical-perspectives">http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#historical-perspectives</a> )				3D	3

#### Total Credits

15

Semester 2		Critical	Recommended	AUCC	Credits
CHEM 107	Fundamentals of Chemistry (GT-SC2)	X		3A	4
CHEM 108	Fundamentals of Chemistry Laboratory (GT-SC1)	X		3A	1
CO 150	College Composition (GT-CO2)	X		1A	3
Arts and Humanities ( <a href="http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#arts-humanities">http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#arts-humanities</a> )				3B	3
Diversity, Equity, and Inclusion ( <a href="http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#diversity-equity-inclusion">http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#diversity-equity-inclusion</a> )				1C	3
AUCC 1B (Quantitative Reasoning) must be completed by the end of Semester 2.		X			

#### Total Credits

14

### Sophomore

Semester 3		Critical	Recommended	AUCC	Credits
BZ 223	Plant Identification				3
F 209	Introduction to Forest and Rangeland Ecology	X			3
RS 300	Rangeland Conservation and Stewardship	X			3
Electives					4

#### Total Credits

13

Semester 4		Critical	Recommended	AUCC	Credits
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	X			
STAT 307	Introduction to Biostatistics				
Social and Behavioral Sciences ( <a href="http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#social-behavioral-sciences">http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#social-behavioral-sciences</a> )				3C	3

#### Total Credits

16

<b>Semester 5</b>		<b>Critical</b>	<b>Recommended</b>	<b>AUCC</b>	<b>Credits</b>
NR 220	Natural Resource Ecology and Measurements	X			5
<b>Total Credits</b>					<b>5</b>
<i>Junior</i>					
<b>Semester 6</b>		<b>Critical</b>	<b>Recommended</b>	<b>AUCC</b>	<b>Credits</b>
BSPM 308	Ecology and Management of Weeds				3
F 310/RS 310	Forest and Rangeland Ecogeography	X			3
F 311	Forest Ecology				3
RS 312	Rangeland Plant Identification Lab	X			1
Select one course from the following:					4
NR 319	Geospatial Applications in Natural Resources				
NR 322	Intro. to Geographic Information Systems				
<b>Total Credits</b>					<b>14</b>
<b>Semester 7</b>		<b>Critical</b>	<b>Recommended</b>	<b>AUCC</b>	<b>Credits</b>
GR 204/WR 204	Sustainable Watersheds (GT-SC2)			3A	3
NR 320	Natural Resources History and Policy	X			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	
<b>Total Credits</b>					<b>14-15</b>
<i>Senior</i>					
<b>Semester 9</b>		<b>Critical</b>	<b>Recommended</b>	<b>AUCC</b>	<b>Credits</b>
NR 477	Restoration Case Studies Field Tour	X		4C	1
NR 479	Restoration Case Studies	X		4C	2
RS 432	Rangeland Measurements and Monitoring	X			2
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				
Electives					3-5
<b>Total Credits</b>					<b>12-18</b>
<b>Semester 10</b>		<b>Critical</b>	<b>Recommended</b>	<b>AUCC</b>	<b>Credits</b>
RS 478	Ecological Restoration	X		4A,4B	3
Select one course from the following:					3
F 324	Fire Effects and Adaptations	X			
F 325	Silviculture				
F 326	Wildland Fire Behavior and Management				

F 425	Advanced Wildland Fire Behavior and Management		
Electives		X	7-9
The benchmark courses for the 10th semester are the remaining courses in the entire program of study.		X	
<b>Total Credits</b>			<b>13-15</b>
<b>Program Total Credits:</b>			<b>120</b>