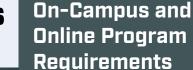


## Master of Natural Resources Stewardship Degree

Active Stewards



Gain a broad natural resources education and specialized resource management expertise to be an active steward of forest and rangeland ecosystems.

The Master of Natural Resources Stewardship (MNRS) degree is a coursework-intensive, professional master's degree for students with some prior natural resources or agriculture experience. The MNRS degree does not require a thesis, project, or final examination. The length of time required to complete the program depends on the student's background, desired courses, and whether full-time or part-time enrollment is chosen.



## Master of Natural Resources Stewardship

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Western Ranch Management and Ecosystem Stewardship	Ecological Restoration	Forest Sciences, Rangeland Ecology and Management
On-Campus Only	On-Campus or Online	Online Only

TABLE 1. MNRS CORE REQUIREMEN	ITS
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Course		Campus	Online	Prerequisite	Credits
NR 578	Ecology of Disturbed Lands	S (odd)	F, S	Ecology	3
NR 566 -or- RS 532 -or- F 575	Natural Resources Inventory and Data Analysis Rangeland Ecosystem Sampling Monitoring for Advanced Silviculture	 F 	F, S  F	Statistics Ecology and Statistics F 571, Statistics	3 3 2
NR 567	Analysis of Environmental Impact	F	F, S		3
NR 693	Natural Resources Stewardship Seminar	F	F, S		2
MNRS Specialization Requirements (Choose one from Table 2) Electives (bring credit total to 30)				9-10 9-11	

TOTAL PROGRAM CREDITS

30

## TABLE 2. MNRS SPECIALIZATION REQUIREMENTS - SELECT ONE\*

FOREST SCI	ENCES (choose 9 credits)	Campus	Online	Prerequisite	Credits
F 466	Urban and Community Forestry	F (odd)		Ecology	3
F 510	Ecophysiology of Trees	S (even)		Plant Physiology	3
F 571	Applied Forest Ecology		F	Ecology	2
F 572	Advanced Silviculture Practices		S	Forest Ecology	3
F 574	Climate Adaptive Forest Management		F	Ecology	1
F 610	Advanced Forest Ecology	S (odd)		Ecology	3
F 624	Fire Ecology	S (even)	S	Ecology	3
SOCR 442	Forest and Range Soils	S	S		3
RANGELAN	D ECOLOGY AND MANAGEMENT (choose 9 credits)	Campus	Online	Prerequisite	Credits
RS 452	Rangeland Herbivore Ecology and Management	S	F	Ecology	3
RS 500	Advanced Rangeland Management		S	Ecology	3
RS 630	Ecology of Grasslands and Shrublands		S	Ecology	3
NR 625	Community-Based Natural Resource Management	S (even)		Ecology	3
No more thar	two of the following:				
SOCR 440	Pedology	F			4
SOCR 442	Forest and Range Soils	S	S		3
SOCR 455	Soil Microbiology	F		Soil Science	3
SOCR 540	Soil-Plant Nutrient Relationships	S (even)		Soil Science	3
ECOLOCICA	AL DESTODATION (chance a gradita)	Campu	Online	Droroguisito	Cradita

ECOLOGICAL RESTORATION (choose 9 credits)		Campus	Online	Prerequisite	Credits
BSPM 551	Advanced Integrated Pest Management	S		Pest/Weed Management	4
BSPM/BZ 526	Evolutionary Ecology	F (odd)		Ecology	3
CIVE 613	River Restoration Design	S		Hydraulic Engineering	3
ECOL 505	Foundations of Ecology	F		Ecology	2
FW 568	Sustaining River Ecosystems in A Changing World	S			3
NR 577	Wetland Ecology and Management		F	Ecology	3
NR 678	Advanced Ecological Restoration	S	F, S	Ecology	4
SOCR 567	Environmental Soil Chemistry	S		Chemistry and Statistics	4
SOCR 441	Soil Ecology	S (odd)		Soil Science	3
No more than or	ne of the following:				
F 624	Fire Ecology	S (even)	S	Ecology	3
NR 552	Ecology of Military Lands		S	NR 550	3
RS 630	Ecology of Grasslands and Shrublands		S	Ecology	3

F = Fall S = Spring SS = Summer

\*Specialization Requirements continue on back page

Note: A minimum of 24 credits must be earned at Colorado State University, of which at least 21 credits must be in 500-level or higher courses.

NR 536	Ranch Management and Stewardship Field Course	SS		Agriculture or Natural Resources	4		
NR 537	Western Ranch Mgmt. and Ecosystem Stewardship Seminar	F		Agriculture or Natural Resources	1		
NR 538	Skills in Ranch Management	F		NR 536	2		
NR 539	Western Ranch Assessment and Planning	F, S, SS		NR 536, NR 537 and NR 538	3		
RS 452	Rangeland Herbivore Ecology and Management	S	F	Ecology	3		
Choose 6 directed elective credits from the following list (selected in consultation with advisers): *SEE FOOTNOTE							
AGRI 631	Building the Business		F, S		3		
AGRI 633	Understanding and Managing Animal Resources		SS		3		
AGRI 634	Animal Production Systems		S		3		
AGRI 635	Integrated Forage Management		F		3		
AGRI 637	Understanding Policy and Emerging Issues	F, S	S		3		
AGRI 638	Ecosystem Services on Agricultural Lands	F, S			3		
AGRI 639	Products to Profits		F, S		3		
AREC 342	Water Law, Policy and Institutions	S			3		
AREC 375	Agricultural Law	F	F		3		
ESS 501	Principles of Ecosystem Sustainability	F		Biology, Ecology, or Chemistry	3		
F 325	Silviculture	S		Forest Ecology	3		
F 510	Ecophysiology of Trees	S (even)		Physiology	3		
F 610	Advanced Forest Ecology	S (odd)		Ecology	3		
FW 553	Adaptive Fish and Wildlife Management		S (odd)	Wildlife Management or Ecology and Statistics	3		

S

Campus Online<sup>1</sup>

S

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Statistics

Political Science and Natural Resources

Prerequisite

Credits

3

3

3

Wildlife Habitat Management on Private Land

Concepts in Global Information Systems (GIS)

Natural Resources Policy and Biodiversity

Sustaining River Ecosystems in a Changing World

FW 557

NR 505

NR 515

FW/BZ 568

WESTERN RANCH MANAGEMENT AND

**ECOSYSTEM STEWARDSHIP (19 credits)** 

NRRT 548 Agritourism Enterprise Management S RS 329 Rangeland Assessment SS Ecology RS 500 Advanced Rangeland Management S Ecology SOCR 441 Soil Ecology S Soil Science ------

S S <sup>1</sup> WRMES students should primarily select on-campus courses,

but they may take some electives online.