

# Land Rehabilitation Option

Freshman Year	Credits	
	Fall	Spring
ENSC 110 - Land Resources and Environmental Sciences	3	
BIOB 170IN - Principles of Biological Diversity	4	
CHMY 141 - College Chemistry I & CHMY 142 - College Chemistry I Lab	4	
WRIT 101W - College Writing I	3	
BIOB 160 - Principles of Living Systems		4
CHMY 143 - College Chemistry II & CHMY 144 - College Chemistry II Lab		4
M 161Q - Survey of Calculus		4
Univ. Seminar (US Core)		3
Year Total:	14	15
Sophomore Year	Credits	
	Fall	Spring
ENSC 245IN - Soils	3	
GPHY 284 - Intro to GIS Science & Cartog	3	
PHSX 205 - College Physics I	4	
Take one of the following:	3	
BIOB 318 - Biometry		
STAT 216Q - Introduction to Statistics		
Univ. Core	3	
BIOO 230 - Identification of Seed Plants		4
ENSC 210 - Role of Plants in the Environment		3
ENSC 260 - Evolution for Env Scientists		3
WRIT 201 - College Writing II or HONR 202IH - Texts and Critics: Knowledge & Imagination II		3
Univ Core		3
Year Total:	16	16
Junior Year	Credits	
	Fall	Spring
ENSC 353 - Environmental Biogeochemistry	3	
BIOE 370 - General Ecology	3	
ENSC 444 - Watershed Hydrology	3	
ENSC 454 - Landscape Pedology	3	
Take one of the following:	3	
ENSC 407 - Environmental Risk Assessment		
GPHY 329 - Environment and Society		
GPHY 402 - Water and Society		
PSCI 448 - The Politics of Climate Change		
WILD 420 - Range & Wildlife Policy and Planning		
ENSC 311 - Fundamentals of Environmental Data Analysis		3
BIOM 452 - Soil & Environmental Microbiology		3
ENSC 460 - Soil Remediation		3
Univ. Core		6
Year Total:	15	15

Senior Year	Credits	
	Fall	Spring
ENSC 410R - Biodiversity Survey and Monitoring Methods	3	
ENSC 443 - Weed Ecology and Management	3	
ENSC 448 - Stream Restoration Ecology	3	
ENSC 461 - Restoration Ecology	3	
Directed Elective	3	
ENSC 499R - LRES Capstone		3
Directed Elective		11
Year Total:	15	14
<b>Total Program Credits:</b>		<b>120</b>

## Directed Electives

Each student shall work closely with their faculty advisor to plan an integrated set of elective courses appropriate to their academic, professional and personal goals. Courses not on this list may be used IF considered appropriate to the student's goals AND approved by the faculty advisor as a curricular exception. Students choosing to take lower level courses (1xx/2xx) for directed electives should be sure they are meeting the university minimum requirement of 42 credits of upper level classes (3xx/4xx) for graduation.

## Choose 14 credits from the following:

AGSC 454	Agrostology	3
BIOE 375	Ecological Responses to Climate Change	3
BIOE 428	Freshwater Ecology	3
BIOE 445	Macrosystems Ecology: Linking Plants, Animals, and Ecosystems Across Scales	3
BIOE 455	Plant Ecology	3
BIOO 262IN	Introduction to Entomology	3
BIOO 433	Plant Physiology	3
BIOO 435	Plant Systematics	3
ENSC 407	Environmental Risk Assessment	3
ENSC 445	Watershed Analysis	3
ENSC 462	Land Rehab Field Problem	2
ENSC 468	Ecosystem Biogeochem and Global Change	3
ERTH 307	Principles of Geomorphology	4
GPHY 357	GPS Fund/App in Mapping	3
GPHY 384	Adv GIS and Spatial Analysis	3
GPHY 426	Remote Sensing	3
GPHY 484R	Applied GIS & Spatial Analysis	3
NRSM 330	Fire Ecology and Mgmt	3
NRSM 350 & NRSM 351	Vegetation of Western Wildlands and Biomes of Western Wildlands	3
NRSM 453	Habitat Inventory and Analysis	3
NRSM 455	Riparian Ecology & Management	3
STAT 337	Intermediate Statistics with Introduction to Statistical Computing	3
WILD 301	Princ of Fish & Wildlife Mgmt	3

Because some courses are offered during alternate years, the proposed scheduling of courses in junior and senior years may need to be modified. Students should work with an advisor for their individual schedules.

**A minimum of 120 credits is required for graduation; at least 42 of these credits must be in courses numbered 300 and above.**

---

Each student shall work closely with their faculty advisor to plan an integrated set of elective courses appropriate to their academic and professional goals.