NATURAL RESOURCE MANAGEMENT UNDERGRADUATE ACADEMIC CERTIFICATE

To complete the certificate, students must take a total of 24 credits from the courses listed in the program of study. All coursework must be completed with a grade of C or better. With CNR certificate committee approval, students may transfer up to six credits of coursework from another institution to count towards their certificate program.

Code	Title	Hours
Select 24 credits from the following courses:		24
REM 151	Rangeland Principles	
FOR 221	Principles of Ecology	
REM 252	Wildland Plant Identification	
REM 253	Wildland Plant Identification Field Studies	
REM 280	Introduction to Wildland Restoration	
GEOG 385	Foundations of GIS	
REM 341	Systematic Botany	
ENVS 450	Environmental Hydrology	
ENVS 485	Energy Efficiency and Conservation	
FISH 415	Limnology	
FIRE 451	Fuels Inventory and Monitoring	
FIRE 454	Air Quality, Pollution, and Smoke	
FOR 484	Forest Policy and Administration	
FIRE 407	GIS Application in Fire Ecology and Management	
REM 410	Principles of Vegetation Monitoring and Measurement	
REM 411	Wildland Habitat Ecology and Assessment	
REM 429	Landscape Ecology	
REM 440	Restoration Ecology	
REM 456	Integrated Rangeland Management	
REM 459	Rangeland Ecology	
WLF 440	Conservation Biology	
Total Hours		**24**

Courses to total 24 credits for this certificate.

Students that complete the Natural Resource Management certificate should be able to integrate technical "field" knowledge with analytical skills to solve important natural resource management problems.

Specifically, students should be able to:

1. Describe ecological processes, including human impacts that influence ecosystem change, and the future sustainability of natural resources.
2. Characterize natural resources and be familiar with methods to quantify at least one of these resources.
3. Identify desired future conditions to achieve natural resource-related objectives, prescribe management actions needed to achieve those objectives, and evaluate success of prescribed actions.