

# NATURAL RESOURCES: WILDLIFE AND CONSERVATION BIOLOGY (M.S.)

<https://colsa.unh.edu/natural-resources-environment/program/ms/natural-resources-wildlife-conservation-biology>

## Description

### NATURAL RESOURCES: WILDLIFE AND CONSERVATION BIOLOGY

The MS option in Wildlife and Conservation Biology is typically pursued by those with a BS in Wildlife, Biology, Zoology, Environmental Studies, or related field. Research often takes an integrated field-laboratory approach to study population ecology and conservation, community and landscape ecology, conservation biology and genetics, and applied wildlife management issues.

## Requirements

### Degree Requirements

An M.S. degree is conferred upon successful completion of a program of not less than 30 credits for natural resources and the environment options: forestry, environmental conservation and sustainability, environmental economics, ecosystem science, and wildlife and conservation biology.

### Course Requirements or Equivalent

Code	Title	Credits
EDUC 904	Qualitative Inquiry in Research (Policy oriented)	4
Or		
NR 903	Approach to Research	2
And with NR 903, choose one of the following additional research methods classes for a total of 4 credits:		
NR 905	Grant Writing	2
BIOL 902	Writing and Publishing Science	2
BIOL 950	Scientific Communication	2
Or an alternative with approval from the Graduate Coordinator		
NR 993	Natural and Environmental Resources Seminar	1-4
or NR 947	Ecosystem Science: Theory, Practice, and Management Applications for Sustainability	
NR 996	Natural Resource Education (1 credit)	1-2
or LSA 900	College Teaching	
Select one of the following Data Analysis courses:		
ANFS 933	Design, Analysis, and Interpretation of Experiments	3-4
BIOL 811	Experimental Design & Analysis	
DATA 800	Introduction to Applied Analytic Statistics	
ECON 926	Econometrics I	
ESCI 801	Quantitative Methods in Earth Sciences	
MATH 835	Statistical Methods for Research	
MATH 840	Design of Experiments I	
MATH #969	Topics in Probability and Statistics I	
NR 909	Analysis of Ecological Communities and Complex Data	
POLT #905	Introduction to Statistical Analysis	
PSYC 905	Research Methodology and Statistics I	
PSYC 907	Research Methods and Statistics III	
SOC 901	Sociological Methods I: Intermediate Social Statistics	
SOC 903	Sociological Methods III: Advanced Social Statistics	
SOC 904	Sociological Methods IV: Qualitative and Historical Research Methods	

Or an alternative with approval from the Graduate Coordinator

Select one of the following:		
NR 899	Master's Thesis (and a formal presentation of the thesis) <sup>1</sup>	6
NR 998	Directed Research (and directed research results) <sup>2</sup>	4

- <sup>1</sup> The thesis option will provide a research-based thesis that is the foundation for a peer-reviewed publication.
- <sup>2</sup> The directed research option shall consist of a project, designed and conducted by the student, culminating in a scholarly paper or report that is suitable for publication in the respective field of scholarship.

An approved program of study plan is required during the first semester.