

NRM Curriculum of Study
ZOOLOGY

Graduate Program: Natural Resources Management
Specialty Area (Option): Biotic Resources Science
Participating Academic Unit: Zoology
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Requirements

- **Background:** A four-year degree in zoology, biology, fisheries or wildlife. Students from other areas (botany, range management, and animal science) also will be considered if they have substantial coursework in zoological areas or are willing to take the additional background courses not as a part of the formal plan of study.
- **Coursework:** 30 semester units (minimum). Complete *Master's Degree Plan of Study and Supervisory Committee* form no later than the first week of second semester.
- **Oral Exam:** Student must be enrolled during the semester of the oral examination (usually the last semester.) Provide exam copies of thesis/paper to committee members at least 7 days prior to the exam. The exam will be administered by the student's supervisory committee and will include material from the thesis or comprehensive study paper. In addition, the student may also be asked to answer questions on coursework, wildlife and fisheries management, and three areas of zoology (as determined by the student and his/her supervisory committee).
- **Additional:** Refer to the section titled *Degree Requirements Checklist* in these Guidelines (pages 5-6).

Required Units		Approved Courses/Disciplines*	Units	Approved Courses/Disciplines*	Units
Specialty Area	16 or more	NRM 653 Rangeland Resources Watershed Management	3	ZOO 675 Conservation Biology	3
		ZOO 652 Ichthyology	3	ZOO 676 Wildlife Ecology and Management	3
		ZOO 654 Herpetology	3	ZOO 720 Advanced Cell Biology	3
		ZOO 656 Ornithology	3	ZOO 760 Evolutionary Ecology	3
		ZOO 658 Mammalogy	3	ZOO 770 Aquatic Community Ecology	4
		ZOO 660 Plant Ecology	3	ZOO 776 Population Dynamics	4
		ZOO 662 Physiological Ecology	3	Botany (by approval)	
		ZOO 664 Endocrinology	3	Natural Resources Management (by approval)	
		ZOO 670 Limnology	4	Range Science (by approval)	
Supporting Area: Physical/Earth Resources Science	3	GEOL 612 Geomorphology (OR GEOL 613)	3	GEOL 614 Hydrogeology	3
		GEOL 613 Glacial Geology (OR GEOL 612)	3	Soil Science (by approval)	
Supporting Area: Social Sciences	3	ECON 681 Natural Resource Economics	3	ECS 770 Environmental Law and Policy	3
		NRM 631 NEPA and Environmental Impact Assessment	2	HIST 634 History of Environmental Science	3
		NRM 632 Environmental Impact Statement	2	SOC 631 Environmental Sociology	3
Resource Analysis	3	Computer Science (by approval)		Statistics (by approval)	
Research <i>Select paper or thesis</i>	2-4	NRM 797 Master's Paper			
	6-10	NRM 798 Master's Thesis			
Seminar	4	NRM 690 Graduate Seminar (2 units)			
		ZOO 690 Graduate Seminar (2 units - student gives two spring research seminars: a planning seminar and a final seminar.)			

*Approved courses from the various disciplines are listed on pages 27-28.