



## SCHOOL OF FOREST RESOURCES

### Professional Program Curriculum

#### Wildlife Major Program of Study

Course ID	Course Title	Hours
FORS 3000-3000L	Field Orientation and Measurements in Forest Resources	4
FORS 3010-3010L	Dendrology	3
FORS 3020-3020L	Forest Ecology	4
FORS (CRSS) 3060-3060L	Soils and Hydrology	4
FORS 3300	Introduction to Fish and Wildlife Management	2
FORS 3610-3610L	Forest Biometrics	3
FORS 3710-3710D	Forest Resource Economics and Management	3
FORS 3910-3910L	Spatial Information in Forest Resources	3
FORS 4010-4010L	Silviculture	4
FORS 4300-4300L	Management of Wildlife Habitat	4
FORS 4730 or FORS 4750	Senior Project or Senior Thesis	4
FORS 4800-4800D	Forest Resources Policy	3
FORS 5310-5310L	Techniques in Wildlife Population Management	4
FORS 5770-5770L	Applied Population Dynamics	4
<b>TWO OF THE FOLLOWING:</b>		
FORS 4060-4060L or ECOL 4060-4060L	Field Ornithology or Ornithology	4 or 3
FORS 4050-4050L or ECOL 4030-4030L	Field Mammalogy or Mammalogy	4
FORS 4320	Wildlife Physiology and Nutrition	3
<b>Major Electives<sup>†</sup></b>		<b>3</b>
<b>Professional Hours</b>		<b>63-65</b>
<b>Total with Regents Core</b>		<b>123-125</b>

<sup>†</sup> Select from the attached list.



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#### Wildlife Major Approved Electives<sup>†</sup>

Course ID	Course Title	Hours
Students interested in <b>Wildlife Biology and Management</b> may wish to take these electives:		
BIOL 3700	Animal Behavior	3
BIOL 3710L	Animal Behavior Laboratory	3
ECOL 4000	Population and Community Ecology	3
ECOL 4030-4030L	Mammalogy	4
ECOL 4040-4040L	Herpetology	4
ECOL 4050-4050L	Ichthyology	4
ECOL 4060-4060L	Ornithology	3
ECOL 4070-4070L	Invertebrate Zoology	4
ECOL 4110	Insect Diversity	4
ECOL 4240-4240L	Physiological Ecology	3
ENTO 4820-4820L	Entomology in Natural Resources Management	3
FORS 4060-4060L	Field Ornithology	4
FORS 4340	Endangered Species Management	3
FORS 4900-4900L	Wildlife Damage Management	3
FORS 4910	Wildlife Management Issues	3
Students interested in <b>Wildlife Botany and Plant Ecology</b> may wish to take these electives:		
BTNY 3830-3830L	Plant Physiology	4
BTNY 4230-4230L	Plant Anatomy	4
BTNY 4650-4650L	Plant Taxonomy	4
BTNY 4850-4850L	Vegetation Analysis	3
CRSS 4340	Weed Science	3
CRSS 4340L	Weed Science Laboratory	1
FORS 3040	Tree Physiology	2
FORS 4030	Regional Silviculture	3
GEOG (BTNY) 4220	Ecological Biogeography	3
GEOG (BTNY) 4240	Plant Geography	3
PATH (BTNY) 4200-4200L	Introductory Mycology	3
Students interested in <b>Wildlife Fisheries and Aquatic Ecology</b> may wish to take these electives:		
ECOL 4050-4050L	Ichthyology	4
ECOL (FORS) 4310-4310L	Limnology	4
FORS 4330-4330L	Water Quality Management in Fisheries and Aquaculture	3
FORS 4370-4370L	Fish Physiology	3
FORS 5360-5360L	Fisheries Management	3
FORS 5380-5380L	Fish Culture	3
MARS (FORS) 4380-4380L	Marine Fisheries Biology	3

<sup>†</sup> Other electives may be substituted with approval of advisor.



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Course ID	Course Title	Hours
Students interested in <b>Wildlife Environmental Assessment</b> may wish to take these electives:		
BTNY 4850-4850L	Vegetation Analysis	3
CRSS 4670	Environmental Soil Chemistry	3
ECOL (BIOL) 3500-3500L	Ecology	4
ECOL 3520	Ecological Applications	3
ECOL 4020-4020L	Field Systems Ecology	4
ECOL (FORS) 4310-4310L	Limnology	4
EHSC 3060	Introduction to Environmental Health Science	3
FORS 4160-4160L	Environmental Monitoring	3
FORS 4330-4330L	Water Quality Management in Fisheries & Aquaculture	3
FORS 4340	Endangered Species Management	3
FORS 4900-4900L	Wildlife Damage Management	3
FORS 5820	Natural Resources Law for Managers and Administrators	4
GEOG (BTNY) 4220	Ecological Biogeography	3
Students interested in <b>Wildlife Forestry and Forest Management</b> may wish to take these electives:		
FORS 3040	Tree Physiology	2
FORS 4030	Regional Silviculture	3
FORS 4160-4160L	Environmental Monitoring	3
FORS 4610-4610L	Forest Mensuration	3
Students interested in <b>Wildlife Invertebrate Biology and Entomology</b> may wish to take these electives:		
ECOL 4070-4070L	Invertebrate Zoology	4
ECOL 4110	Insect Diversity	4
ECOL (FORS) 4310-4310L	Limnology	4
ENTO 3140-3140L	Insect Natural History	4
ENTO 3650-3650L	Medical Entomology	3
ENTO 3820-3820L	Forest Protection Entomology	2
ENTO 4000-4000L	General Entomology	3
ENTO 4010-4010L	Insect Taxonomy	5
ENTO (CRSS) 4250-4250L	Pesticide Management and Utilization	3
Students interested in <b>Wildlife Parks and Recreation Management</b> may wish to take these electives:		
FORS 5410	Wilderness Management	3
RLST (FORS) 3310	Outdoor Recreation and Environmental Awareness	3
RLST (FORS) 5400-5400L	Park Management	3
Students interested in <b>Wildlife Spatial Analysis and Mapping</b> may wish to take these electives:		
GEOG 3210	Biogeography	3
GEOG 4330-4330L	The Use and Interpretation of Aerial Photographs	3
GEOG 4370-4370L	Introduction to Geographic Information Systems	3

<sup>†</sup> Other electives may be substituted with approval of advisor.



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Course ID	Course Title	Hours
Students interested in <b>Wildlife Policy and Law</b> may wish to take these electives:		
FORS (MARS) 3570	The Law of Earth Protection and Resource Use	3
FORS 4910	Wildlife Management Issues	3
FORS 5820	Natural Resources Law for Managers & Administrators	4
FORS 5850	Forest Policy Issues	2
Additional Approved Wildlife Electives:		
BTNY (BIOL) (CRSS) 4500	Introduction to Gene Technology	3
CBIO (BIOL) 3300	Developmental Biology	3
CBIO 3700	Principles of Animal Physiology	3
CBIO 4500-4500L	Medical Parasitology	4
CBIO 4730	Endocrinology	3
ECOL 4240-4240L	Physiological Ecology	3
GENE (BIOL) 3200	Genetics	3
GENE (BIOL) 4600	Evolutionary Biology	3
PATH (ANTH) (BTNY) 3010	Fungi: Friends and Foes	3
PATH (BTNY) 4200-4200L	Introductory Mycology	3
POUL 3800-3800L	Avian Anatomy and Physiology	3
POUL 4060-4060L	Physiology of Avian Reproduction	3

<sup>†</sup> Other electives may be substituted with approval of advisor.