

Warnell School of Forestry and Natural Resources

Professional Program Curriculum

Fisheries and Wildlife Major Program of Study

Course ID	Course Title	Hours
FANR 3000-3000L	Field Orientation, Measurements, and Sampling in Forestry and Natural Resources	4
CRSS (FANR) 3060-3060L	Soils and Hydrology	4
FANR 3200-3200L	Ecology of Natural Resources	4
FANR 3300-3300D	Economics of Renewable Resources	2
FANR 3400-3400D	Society and Natural Resources	2
FANR 3800-3800L	Spatial Analysis of Natural Resources	3
FANR 4500 or FANR 4600	Senior Project or Senior Thesis	4
FANR 4800	Renewable Resources Policy	2
WILD (FISH) 3000	Introduction to Fish and Wildlife Management	2
WILD (ECOL) 3580-3580L	Vertebrate Natural History	5
Area of Emphasis and Restricted Electives (choose Aquatic Sciences or Wildlife Sciences —see following page)		31
Professional Hours		63
Total with Regents Core		123

Professional Program Curriculum (continued)

Fisheries and Wildlife Major Areas of Emphasis

Aquatic Sciences Area of Emphasis		
Course ID	Course Title	Hours
ECOL 4050-4050L	Ichthyology	4
ECOL 4070-4070L	Invertebrate Zoology	4
FISH 4300	Environmental Biology of Fishes	3
FISH 4310-4310L	Limnology	4
FISH 5360	Fisheries Management	3
FISH 5360L	Fisheries Management Lab	1
Restricted Electives:	choose from the categories below	12*
Specialized Topic (select one course)		
ENTO (EHSC) 4060	Ecotoxicology	3
FANR 4350	Conservation Genetics	3
FISH 4550	Conservation Aquaculture	4
WILD 5700-5700L	Applied Population Dynamics	3
Wildlife (select one course)		
WILD 3700	Animal Behavior	3
WILD 4000-4000L	Management of Wildlife Habitat	4
WILD 4040-4040L	Herpetology	4
WILD 4050-4050L	Mammalogy	3
WILD 4060-4060L	Ornithology	3
WILD 4400	Wildlife Physiology and Nutrition	3
WILD 4500	Nongame and Endangered Species Management	3
WILD 4700-4700L	Techniques in Wildlife Population Management	3
WILD 4900-4900L	Wildlife Damage Management	3
WILD 5100	Wildlife Diseases	3
WILD 5330-5330L	Wildlife Management in Agricultural Ecosystems	3
Restricted Elective	any advisor-approved course	4-6

* Total hours for Area of Emphasis and Restricted Electives must equal 31.

Professional Program Curriculum (continued)

Fisheries and Wildlife Major Areas of Emphasis

Wildlife Sciences Area of Emphasis		
Course ID	Course Title	Hours
FORS 3010-3010L	Dendrology	3
WILD 4000-4000L	Management of Wildlife Habitat	4
WILD 4040-4040L or	Herpetology or	4
WILD 4050-4050L or	Mammalogy or	3
WILD 4060-4060L	Ornithology	4
WILD 4700-4700L	Techniques in Wildlife Population Management	3
Restricted Electives:	choose from the categories below	17-18*
Wildlife Biology (select one course, NOT taken above.)		
WILD 3700	Animal Behavior	3
WILD 4040-4040L	Herpetology	4
WILD 4050-4050L	Mammalogy	4
WILD 4060-4060L	Ornithology	3
Habitat (select one course)		
FISH 4310-4310L	Limnology	4
FORS 4010	Silviculture	4
WASR 4400-4400L	Introduction to Wetlands	3
WILD 5330-5330L	Wildlife Management and Agriculture	3
Population (select one course)		
FANR 4350	Conservation Genetics	3
WILD 4500	Nongame and Endangered Species Management	3
WILD 4900-4900L	Wildlife Damage Management	3
WILD 5700-5700L	Applied Population Dynamics	3
Field Experience (select one course)		
FANR 3900	Forestry and Natural Resources Internship	3
FANR 3910	Forestry and Natural Resources Practicum	3
FORS 5610	Prescribed Fire in the Forest Ecosystem	2**
WILD 4600	Field Methods in Wildlife Health, Mgmt., & Res. any Warnell School study abroad/field course	2** 3
Fisheries (select one course)		
FISH 4550	Conservation Aquaculture	4
FISH 5360	Fisheries Management (<i>lecture only</i>)	3
WILD 4300	Environmental Biology of Fishes (<i>lecture only</i>)	3
Restricted Elective	any advisor-approved course	3-4**

* Total hours for Area of Emphasis and Restricted Electives must equal 31.

** If a 2-hour course is selected in Field Experience, then a 4-hour course is required for another restricted elective.

Professional Program Curriculum (continued)

Fisheries and Wildlife Major Areas of Emphasis

Pre-Vet / Wildlife Sciences Area of Emphasis		
Course ID	Course Title	Hours
FORS 3010-3010L	Dendrology	3
WILD 4000-4000L	Management of Wildlife Habitat	4
WILD 4040-4040L or	Herpetology or	4
WILD 4050-4050L or	Mammalogy or	3
WILD 4060-4060L	Ornithology	4
WILD 4700-4700L	Techniques in Wildlife Population Management	3
BCMB 3100	Biochemistry	3
WILD 5100	Wildlife Disease Ecology and Management	3
Restricted Electives:	choose from the categories below	11-12*
Vet Elective (select one course)		
FANR 4350	Conservation Genetics	3
WILD 4040-4040L	Herpetology <i>(if not taken above)</i>	4
WILD 4050-4050L	Mammalogy <i>(if not taken above)</i>	3
WILD 4400	Wildlife Physiology and Nutrition	3
WILD 5330-5330L	Wildlife Management in Agricultural Ecosystems	3
<i>In the following two categories, either WILD 5330 or FANR 4350 must be taken for one of the categories, even if either were completed in the Vet Elective category above. For example, if FANR 4350 was taken for the Vet Elective category, then WILD 5330-5330L must be taken for the Habitat elective below.</i>		
Habitat (select one course)		
FISH 4310-4310L	Limnology	4
FORS 4010	Silviculture	4
WASR 4400-4400L	Introduction to Wetlands	3
WILD 5330-5330L	Wildlife Management and Agriculture	3
Population (select one course)		
FANR 4350	Conservation Genetics	3
WILD 4500	Nongame and Endangered Species Management	3
WILD 4900-4900L	Wildlife Damage Management	3
WILD 5700-5700L	Applied Population Dynamics	3

* Total hours for Area of Emphasis and Restricted Electives must equal 31.