

Natural Resource Management and Sustainability (Geospatial Information Science) - Fall 2022 to Spring 2023

Spring Entry - Spring 2023

Fall 2024	Hours
GEOG 4590 - Programming for GIS	3
prereq GEOG 4370	
F: 05-06 M 07-08 M	
FANR 4502S or FANR 4990R - Senior Project II or Thesis	3
Choose between Senior Project II or Senior Thesis. Students taking Senior Thesis must take at least 1 hour of 4990R, plus an additional three hours from 4960R, 4970R, 4980R, and/or 4990R across all terms	
FANR 4502S - Senior Project II	3
prereq FANR 4501	
S: VR	
F: VR	
FANR 4990R - Senior Thesis	4
prereq final semester; apply on Warnell website	
S: VR	
F: VR	
GIS Required Option or Elective	2
F: VR	
GIS Required Option or Elective	3
F: VR	
GIS Required Option or Elective	3
F: VR	
Total Hours:	14



Pre-requisites and class times for non-Warnell courses are subject to change without notice.

WARNING: Do not take GEOG 4370, which repeats material in FANR 3800 & 3800L.

GIS Certificate: students with a 3.0 or higher GPA in the following can receive the GIS certificate: FANR 3800 & 3800L, 5620, GEOG 4590, and GEOG 4350 or 4460 (remote-sensing option)

Major hours needed to graduate: 60

Elective Options	Hours
Computer Programming Elective	
Choose one course (3+ hours)	
FANR 3700 - Nat Res Data Processing	3
prereq Statistics	
S: 05 MWF	
CSCI 1301 - Intro Computing and Program	4
prereq Precalculus	
S: 72 TR; 73 TR; 02 MW; 03 MW; 04 MW; 05 MW; 06 MW; 74 TR; 75 TR 09 MW; 72 TR; 74 TR; 75 TR; 76 TR	
SU: 03 MT, 04 MTW 05 MWF; 06 MWF	
F: 71 TR; 72 TR; 02 MW; 03 MW; 04 MW; 05 MW; 06 MW; 73 TR; 74 TR; 07 MW; 08 MW; 72 TR; 73 TR; 74 TR; 75 TR 75 TR TR; 77 TR	
CSCI 1360 - Informatics & Data Analytics	4
prereq Precalculus	
F: 73 TR, 04 M	
CSCI 1360E - Foundations of Informatics	4
prereq Precalculus	
SU: VR	
CSCI 2150 - Computational Science	4
prereq Precalculus	
odd years S: 72 TR; 76 TR 08 MW; 72 TR; 73 TR; 74 TR	
GIS Natural Resources Electives	
10 hours required	
FISH 4200 - Aquatic Biology	4
prereq Biology II	
F: 74 TR 75-76 R	
FISH 4300 - EBF	4
prereq Biology II	
S: 04 MWF 05-08 F	
FISH 4310 - Freshwater Ecosystems	4
prereq Ecology	
F: 02 MWF 06-08 M	
FISH 4500 - Fish Physiology	4
prereq FISH/WILD 4300	
F: 75 TR 06-09 F	
FISH 4550 - Sustainable Aquaculture	4
prereq Biology II	
S: 74 TR 75-76 R	
FISH 4600 - Ecotox	3
prereq Biology II and Chemistry II	
F: 07-09 M	
FISH 4650L - Fisheries Field Camp	4
prereq Apply through StudyAway portal	
odd years SU: May; VR	
FORS 3010 - Dendro	3
prereq Biology II	
S: 72 TR 06-09 W; 74-76 R; 74-76 T	
F: 73 TR 06-09 W; 74-76 R; 74-76 T	
FORS 4010 - Silviculture	4
prereq (FANR 3000, FORS 4050, or WILD 4110) and Ecology	
F: 03 MWF 74-76 T	
FORS 4210 - Forest Health	3

01	02	03	04	05	06	07	08	09	10	11	12	13
8:00-8:50a	9:10-10:00a	10:20-11:10a	11:30a-12:20p	12:40-1:30p	1:50-2:40p	3:00-3:50p	4:10-5:00p	5:20-6:10p	6:30-7:20p	6:50-7:40p	7:55-8:45p	9:00-9:50p
71	72	73	74	75	76	77	78	79	80	VR	CLASS PERIODS	
8:00-9:15a	9:35-10:50a	11:10a-12:25p	12:45-2:00p	2:20-3:35p	3:55-5:10p	5:30-6:45p	6:30-7:45p	8:00-9:15p	9:30-10:45p	various times		

TERMS	F	S	SU
	fall	spring	summer

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prereq	Biology II	
	S: 05 MW, 05-06 F	
	FORS 4610 - Mensuration	4
prereq	FANR 3000 or FORS 4050	
	F: 72 TR 75-77 R	
	FORS 4620 - Timber Management	4
prereq	FORS 4610	
	S: 03-04 F, 04 MW	
	FORS 4700 - Forest Econ	3
	F: 05 MW 05-06 F	
	PRTM 3310 - Humans Nature Environ Aware	3
prereq	Enrollment in Warnell prof program	
	F: 77-79 TR	
	PRTM 4400 - Park Management	3
prereq	Enrollment in Prof Program and (FANR 1100, 3400, or PRTM 3310)	
	S: 73 TR	
	PRTM 5410 - Stewardship & Protection	3
prereq	FANR 3400 or PRTM 3310	
	S: 77-79 T VR	
	PRTM 5800S - Environmental Interpretation	3
	F: 73 TR	
	PRTM 5900 - Ecotourism and Sust Dev	3
prereq	FANR 3400 or PRTM 3310	
	F: 72 TR	
	WASR 4110 - Forest Hydrology	4
prereq	ENVE 4435 or FANR 3060 or GEOL 4220 or GEOG 4030 or ECOL 3520 or CRSS 3050 or CRSS 4600	
	S: 01 MWF 75-76 T	
	WILD 3000W - Intro to Fish and Wildlife	2
prereq	Biology II	
	F: 02 MW	
	WILD 3580 - Vertebrate Natural History	4
prereq	Biology II, enrollment in prof program	
	S: 02 MWF 06-08 W; 74-76 R; 74-76 T	
	WILD 4040 - Herpetology	4
prereq	Biology II and permission of instructor	
	S: 72 TR 75-76 T	
	WILD 4050 - Mammalogy	4
prereq	WILD 3580+L	
	F: 04 MWF 74-76 T	
	WILD 4060 - Ornithology	4
prereq	Biology II	
	S: 04 MWF 01-03 F	
	WILD 4100 - Wildlife Habitat	3
pre or coreq	Ecology & (WILD 1100E or 3000W)	
	F: 05 MW 06-08 F	
	WILD 4400 - Physiology & Nutrition	3
pre or coreq	WILD(FISH) 3000W or WILD 1100E	
odd years	S: 72 TR	
	WILD 4500 - Non-game & Endangered Species	3
prereq	(WILD 3000W or 1100E) and (WILD 4110 or 4700) and Ecology	

even years	F: 72 TR	
	WILD 4700 - Wildlife Techniques	3
prereq	Biology I & II and enrollment in Warnell prof program	
	F: 04 MW 06-09 M; 74-77 R; 74-77 T	
	WILD 5100 - Wildlife Diseases	3
	S: 73 TR	
	WILD 5700 - Pop Dy	3
prereq	Precalculus and Ecology	
	F: 02 MW 06-08 W	
	ECOL 4050 - Ichthyology	4
prereq	BIOL 1108	
	F: 73 TR 03-05 W; 06-08 W	



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TERMS		F	S	SU								
		fall	spring	summer								