

# Fisheries & Wildlife (Aquatic Sciences) - Fall 2022 to Spring 2023 - Transition

## Spring Entry - Spring 2023

Fall 2024	Hours
<b>FISH 4500 - Fish Physiology</b>	<b>4</b>
prereq FISH/WILD 4300	
F: 75 TR 06-09 F	
<b>FANR 4502S or FANR 4990R - Senior Project II or Thesis</b>	<b>3</b>
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	
<b>FISH 5360 - Fisheries Management</b>	<b>4</b>
prereq Biology II and FISH 4300	
F: 72 TR 06-09 W	
<b>Aquatic Sciences Restricted Elective</b>	<b>3</b>
F: VR	
<b>Total Hours:</b>	<b>14</b>



Times and prerequisites for non-Warnell courses are subject to change without notice.

A maximum of 3 hours of internship (COFA 3900, FISH 3900, GISC 3900, PRTM 3900, WASR 3900, and WILD 3900) may be used towards graduation.

Economics Requirement: Students completing the fisheries & wildlife major must also complete an economics requirement as part of the Core Curriculum or as a major elective. The following courses will satisfy the requirement: ECON 2100, 2100E, 2105E, 2105H, 2106, 2106E, 2106H, 2200, 2200E, 2200H, or FANR 3300-3300D.

Aquatic sciences students must also complete the Wildlife Sciences requirement. Courses taken for this requirement can count elsewhere in a program of study as well. The following courses will satisfy the requirement: ECOL 3220, WILD 4040, 4050, 4060, 4100, 4500, 4575, 4900, 5100, 5200, 5350, or other, mentor-approved course.

Major Hours Needed to Graduate: 60

Elective Options	Hours
<b>Open Major Electives</b>	
9 hours required. Excess credit from courses used to satisfy other restricted elective categories may be used here.	
COFA 3900 - COFA Internship	3
prereq apply before internship on Warnell site	
F: VR	
COFA 4650S - COFA Field Practicum	3
prereq COFA 5001 or 5301	
SU: May: VR	
COFA 5001 - Urban Tree Management I	3
prereq Biology II	
F: 73 TR	
COFA 5010 - Urban Tree Management II	4
prereq Biology II, COFA 5001 and 5301	
F: 74 TR 75-76 T	
COFA 5301 - Comm Urban Soils Site Develop	4
prereq FANR 3060 and COFA 5001	
S: 02 MWF 06-08 W	
COFA 5500 - Community Forest Management	3
prereq Prereq: Biology II; Prereq or Co-req: FORS 3010	
S: 04 MWF	
FANR 3060 - Soils and Hydrology	4
prereq Chemistry I	
S: 04 MWF 06-07 W; 08-09 W; 73-74 R; 75-76 R	
F: 04 MWF 06-07 W; 08-09 W; 73-74 R; 75-76 R	
FANR 3200W - Ecology	4
prereq Biology II	
S: 71 TR 75-76 R; 75-76 T	
F: 03 MWF 06-09 M; 06-09 W	
FANR 3300 - Economics	2
S: 73 TR 05-06 F	
F: 03 MW 02-03 F	
FANR 3400 - Society	2
S: 73 TR 05-06 F	
F: 03 MW 02-03 F	
BIOL 3460 - Biology of the South Pacific	3
pre or coreq Biology II	
SU: Extended session: VR	
BIOL 3460H - Biology of the South Pacific H	3
pre or coreq Permission of Honors; pre or coreq: Biology II	
SU: Extended session: VR	
FANR 3800 - Spatial Analysis	3
pre or coreq FANR 3000, FORS 4050, PRTM 4700, or WILD 4110	
S: 05 MW 06-09 W; 74-77 R	
F: 01 MW 06-09 W; 75-77 R	
FANR 3950 - Professional Development	3
Enrollment in Warnell	
S: 74 TR	
F: 74 TR	
FANR 4020 - Sustainable Development	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	<b>CLASS PERIODS</b>	
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

# Fisheries & Wildlife (Aquatic Sciences) - Fall 2022 to Spring 2023 - Transition

## Spring Entry - Spring 2023

prereq	CSCI 1210, ECOL 2100, ENVE 2610, FANR 1500, LAND 2310, ECOL 1000, FANR 1100, HORT 2000, LAND 1500, or GEOG 1125
S:	03 MWF
	FANR 4220 - Restoration Ecology 3
prereq	Ecology
S:	73 TR
	FANR 4261 - Natural History Museum Intern 3
	Permission of instructor and permission of Museum of Natural History
S:	VR
SU:	VR
F:	VR
	FANR 4271 - People Planet and Profit 1-9
prereq	Apply through the StudyAway portal
SU:	VR
	FANR 4271E - People, Planet, and Profit 1-9
prereq	Apply through the StudyAway portal
SU:	VR
	FANR 4271W - People Planet and Profit 1-9
prereq	Apply through the StudyAway portal
S:	VR
SU:	Extended session: VR
F:	VR
	FANR 4350 - Conservation Genetics 3
prereq	Biology II and Statistics
even years F:	73 TR
odd years F:	73 TR
	FANR 4444S - Environmental Education 3
prereq	Permission of instructor
S:	74 TR
	FANR 4800W - Policy 2
prereq	Economics and senior standing
S:	03 MW
	FANR 4810 - Natural Resources Law 3
S:	75 TR
	FANR 4820 - Human Dimensions 3
prereq	FISH/WILD 3001
F:	74 T, 74 R
	FANR 4950 - Directed Studies 1-4
prereq	Permission of instructor
S:	VR
SU:	VR
F:	VR
	FANR 4990R - Senior Thesis 4
prereq	final semester; apply on Warnell website
S:	VR
F:	VR
	FANR 5620 - GIS Applications 3
prereq	FANR 3800+L
S:	73 TR 73-74 TR
	FANR 5640 - Unmanned Aerial Sys in NR 3
prereq	FANR 3800+L
S:	02 WF 06-07 M
	FANR 5690L - Nat. Res. Mgmt. for Teachers 3

S:	06 W, 06-09 M
	FANR 5950 - Special Topics in FANR 3
prereq	open enrollment or permission of instructor, depending on topic
S:	VR
SU:	VR
SU:	VR
F:	VR
	FANR 8130 - Landscape Genetics 2
prereq	(FANR 3800 and (FANR 4350/6350 or ECOL 4500/6500 or GENE 3000-3000D))
even years S:	04-05 W
	FISH 3900 - Fisheries Internship 3
prereq	apply before internship through Warnell site
S:	VR
F:	VR
	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 4380 - Marine Fisheries Biology 3
prereq	Biology II
S:	VR VR
	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
	FISH 5360 - Fish Management 4
prereq	Biology II and FISH 4300
F:	72 TR 06-09 W
	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 3900 - Forestry Internship 3
prereq	apply before internship through Warnell site
S:	VR
F:	VR
	FORS 4010 - Silviculture 4
prereq	(FANR 3000, FORS 4050, or WILD 4110) and Ecology
F:	03 MWF 74-76 T
	FORS 4080 - Longleaf Field Study 2

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	<b>CLASS PERIODS</b>	
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

# Fisheries & Wildlife (Aquatic Sciences) - Fall 2022 to Spring 2023 - Transition

## Spring Entry - Spring 2023

odd years	SU: May; VR
FORS 4210 - Forest Health	3
prereq	Biology II
S:	05 MW, 05-06 F
FORS 4250 - International Forest Mgmt.	1-6
prereq	Apply through StudyAway portal
SU:	VR
FORS 4270 - Smokies	3
prereq	Apply through StudyAway portal
F:	VR
FORS 4530 - Wood Properties Utilization	3
prereq	Forestry Field Camp & enrollment in prof. program
F:	71 TR
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 4640 - Advanced Forest Inventory	3
prereq	FORS 4610
even years	F: 03 MW, 04 M
FORS 4650 - Forestry Field Camp	4
prereq	(FANR 3000 or FORS 4050) and FANR 3200W; Apply through StudyAway portal
SU:	May; VR
FORS 4700 - Forest Econ	3
F:	05 MW 05-06 F
FORS 4710 - Forest Planning	3
S:	02 MW 02 F
FORS 5100E - Forest Ecology	3
prereq	Ecology
SU:	VR
FORS 5600 - Wildland Fire	3
prereq	Apply through StudyAway portal
S:	VR
FORS 5610 - Prescribed Fire	2
prereq	Apply through StudyAway portal
S:	VR
FORS 5620 - Prescribed Fire Dawgs	3
prereq	FORS 5600/7600
S:	VR
FORS 5650 - Aerial Photos	3
S:	01 MW 01 F
FORS 5670 - Forestry Information Systems	3
even years	F: 73 TR
FORS 5720 - Harvesting & Roads	3
prereq	prereq: FANR 3000 or FORS 4050; pre or coreq: FORS 4010
F:	02 MW 06-08 M
FORS 5750 - Procurement	3
	Enrollment in Warnell prof. program
S:	74 TR
FORS 6200 - International Forest Business	3
S:	VR VR

FORS 7700 - Southern Forestry	3
S:	71 TR
GISC 3900 - GIS Internship	3
prereq	apply before internship through Warnell site
S:	VR
F:	VR
PRTM 3310 - Humans Nature Environ Aware	3
prereq	Enrollment in Warnell prof program
F:	77-79 TR
PRTM 3900 - PRTM Internship	3
prereq	apply before internship through Warnell site
S:	VR
F:	VR
PRTM 4400 - Park Management	3
prereq	Enrollment in Prof Program and (FANR 1100, 3400, or PRTM 3310)
S:	73 TR
PRTM 4650L - PRTM Field Camp	4
prereq	apply through the StudyAway portal
SU:	May; VR
PRTM 4700 - Soc Sci Methods in Nat Res	3
prereq	Enrollment in Professional Program and Statistics
S:	07 MWF
PRTM 5010 - Entrep Recreation and Tourism	3
prereq	Enrollment in Warnell prof program
S:	72 TR VR
PRTM 5410 - Stewardship & Protection	3
prereq	FANR 3400 or PRTM 3310
S:	77-79 T VR
PRTM 5700 - Community Tourism	3
prereq	FANR 3400 or PRTM 3310
S:	76 TR
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 3900 - WASR Internship	3
prereq	apply before internship through Warnell site
S:	VR
F:	VR
WASR 4000 - Forest Soil Management	4
prereq	CRSS 3050 or FANR 3060
even years	F: 73 TR 06-08 F
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
WASR 4400 - Wetland Mgmt and Restoration	3
prereq	WASR 1020, FANR 3060, or Ecology
S:	04 MW 06-08 W
WASR 4500 - Quantitative Methods/Hydrol.	3
prereq	ENVE 4435 or FANR 3060 or WASR 4110 or GEOL 4220 or GEOG 4030 or CRSS 4600

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	<b>CLASS PERIODS</b>	
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

# Fisheries & Wildlife (Aquatic Sciences) - Fall 2022 to Spring 2023 - Transition

## Spring Entry - Spring 2023

S:	02 MWF	
F:	72 TR	
	WASR 4660 - Envir Field Site Characteriz	3
prereq	Chemistry II and FANR 3060	
S:	06-08 WF	
	WASR 4700L - Hydrology Field Study	3
prereq	Permission of instructor	
SU:	May: VR	
	WILD 3000W - Intro to Fish and Wildlife	2
prereq	Biology II	
F:	02 MW	
	WILD 3001 - Fish & Wild Policy	1
pre or coreq	WILD 1100E or WILD 3000W	
F:	02 F	
	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 3700W - Animal Behavior	3
prereq	Biology II	
F:	03 MWF	
	WILD 3900 - Wildlife Internship	3-1
prereq	apply before internship through Warnell site	
S:	VR	
F:	VR	
	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 4280 - Natural History Field Study	3
prereq	Apply through StudyAway portal	
SU:	VR	
	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 4575 - Conservation Medicine	6
prereq	Biology I and II and permission of instructor	
SU:	1st session: VR	
	WILD 4650 - Wildlife Field Camp	4
prereq	Apply through StudyAway portal	
SU:	May: VR VR	

	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 4746 - Primate Conservation	3
prereq	ANTH 1102	
F:	74 TR	
	WILD 4900 - Wildlife Damage	2
prereq	Permission of instructor	
even years S:	04 MW 05-07 W	
	WILD 5100 - Wildlife Diseases	3
S:	73 TR	
	WILD 5200 - Internatl Wildlife	6
prereq	Apply through StudyAway portal	
SU:	VR	
	WILD 5700 - Pop Dy	3
prereq	Precalculus and Ecology	
F:	02 MW 06-08 W	
	CHEM 2212 - Mod Org Chem II	4
prereq	CHEM 2211	
S:	05 M, 74 TR, 05-07 W, 11-12 W; 11-12 W, 71-72 R; 74-11-12 W; 06 M, 75 R, 11-12 W; 76-77 R, 11-12 W; 76-77 T, 75 TR, 11-12 11-12 W	
	W; 06 MWF, 11-12 W; 07 MWF, 11-12 W; 73 TR, 76 T, 11-12 W	
SU:	03-04 MTWRF, 05-09 W, 11-12 W 78-79 R	
F:	03 MWF, 76 R, 01-03 W; 05-07 M; 08-10 M; 76-77 R 09-10 W; 04 MWF, 07 W, 09-10 W; 06 W, 05 MWF, 09-10 W; 73 TR, 75 R, 09-10 W; 75 T, 09-10 W, 72 TR; 75 TR, 77 R, 09-10 W	
	CHEM 2312H - Adv Org Chem II H	4
prereq	CHEM 2211 and permission of Honors	
S:	72 TR 74-75 T, 11-12 W	
	CHEM 2412 - Adv Org Chem II	4
prereq	CHEM 2211	
S:	02 MWF 76-77 T	
	ECOL 3220 - Marine Mammals	3
prereq	Biology II	
S:	73 TR	
SU:	May: 01-04 MTWRF	
	ECOL 4010 - Ecosystem Ecology	3
prereq	Ecology and Calculus	
S:	75 TR	
	ECOL 4050 - Ichthyology	4
prereq	BIOL 1108	
F:	73 TR 03-05 W; 06-08 W	
	ECOL 4240 - Physiological Ecology	4
prereq	BIOL 1108	

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	<b>CLASS PERIODS</b>	
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

# Fisheries & Wildlife (Aquatic Sciences) - Fall 2022 to Spring 2023 - Transition

## Spring Entry - Spring 2023

F:	74 TR	02-03 F	
	<b>ENTO 4000 - General Entomology</b>		<b>4</b>
prereq	BIOL 1107 and 1108		
F:	02 MWF	04-05 F	
	<b>GENE 3000 - Evolutionary Biology</b>		<b>4</b>
prereq	Biology I or II		
S:	72 TR	02 F; 02 M; 02 W; 07 F; 07 M; 07 W; 75 R; 75 T	
SU:	2nd session: 02-04 MTWRF	05-06 MTW	
F:	72 TR	02 M; 02 W; 07 F; 07 M; 07 W; 75 R; 75 T	
	<b>GENE 3000E -</b>		<b>4</b>
prereq	Biology I or II		
	VR		
	<b>GENE 3000H - Honors Evolutionary Biology</b>		<b>4</b>
prereq	Biology I or II and permission of Honors		
F:	73 T, 72 TR		
	<b>PHYS 1112 - Intro Physics Electricity Lab</b>		<b>4</b>
prereq	PHIL 1111 or 1211 or 1251		
S:	05 MWF; 71 TR; 72 TR; 75 TR	01-02 F; 01-02 M; 01-02 W; 03-04 F; 03-04 M; 03-04 W; 07-08 M; 07-08 W; 09-10 M; 09-10 W; 73-74 R; 73-74 T; 77-78 R; 77-78 T	
SU:	03-04 MTWRF	05-07 MW; 74-75 TR	
F:	06 MWF; 08 MWF; 72 TR	01-02 F; 01-02 M; 01-02 W; 03-04 M; 03-04 W; 73-74 T; 74-75 R; 75-76 T; 77-78 R; 77-78 T	
	<b>PHYS 1212 - Prin of Phys for Scien Eng La</b>		<b>4</b>
prereq	MATH 2260 and (PHIL 1111 or 1211 or 1251)		
S:	73 TR	05-06 M; 05-06 W; 71-72 R; 71-72 T; 75-76 T	
SU:	05-06 MTWRF	07-09 MW	
F:	75 TR	05-06 M; 07-08 M	
	<b>PHYS 1312 - Adv Introductory Physic II La</b>		<b>4</b>
prereq	PHYS 1211 or 1311; pre or coreq: MATH 2270 or 2500		
F:	72 TR	05-06 W	

Times and prerequisites for non-Warnell courses are subject to change without notice.

A maximum of 3 hours of internship (COFA 3900, FISH 3900, GISC 3900, PRTM 3900, WASR 3900, and WILD 3900) may be used towards graduation.

Economics Requirement: Students completing the fisheries & wildlife major must also complete an economics requirement as part of the Core Curriculum or as a major elective. The following courses will satisfy the requirement: ECON 2100, 2100E, 2105E, 2105H, 2106, 2106E, 2106H, 2200, 2200E, 2200H, or FANR 3300-3300D.

Aquatic sciences students must also complete the Wildlife Sciences requirement. Courses taken for this requirement can count elsewhere in a program of study as well. The following courses will satisfy the requirement: ECOL 3220, WILD 4040, 4050, 4060, 4100, 4500, 4575, 4900, 5100, 5200, 5350, or other, mentor-approved course.

Major Hours Needed to Graduate: 60



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	<b>CLASS PERIODS</b>	
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		
<b>TERMS</b>		F	S	SU								
		fall	spring	summer								