

Natural Resource Management and Sustainability (Water and Soil Resources) - Fall 2023 and later

Fall Entry - Fall 2023 and later

Fall 1		Hours
FANR 3060 - Soils & 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 3300 and 3400 - Economics & Society		4
3300+D - first half of term; 3400+D - last half		
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	
WASR Required Option, Elective, or Physics		3
F:	VR	
WASR Required Option, Elective, or Physics		3
F:	VR	
Total Hours:		14



Spring 1		Hours
FORS 4050 - Field Measurements		4
prereq Enrollment in the professional program; pre or coreq: Statistics		
S:	03 MW 06-09 M, 03-04 F	
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	
WASR Required Option, Elective, or Physics		3
S:	VR	
WASR Required Option, Elective, or Physics		3
S:	VR	
Total Hours:		14



Fall 2		Hours
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 4501 or FANR 4960/4970/4980R - Senior Project I or		1
Choose between Senior Project I or Senior Thesis Research. Students taking Senior Thesis may save research hours until their final term, if desired, or may take 1-3 hours in this term, if desired.		
FANR 4501 - Senior Project I		1
pre or coreq FANR 3300, FORS 4700, FISH 4300, or WILD 4100		
S:	71 T	
F:	01 F	
WASR Required Option, Elective, or Physics		3
F:	VR	
WASR Required Option, Elective, or Physics		3
F:	VR	
WASR Required Option, Elective, or Physics		3
F:	VR	
WASR Required Option, Elective, or Physics		3
F:	VR	
Total Hours:		16



Spring 2		Hours
CRSS 4670 - Environmental Soil Chemistry		3
prereq CRSS 3060 or FANR 3060		
S:	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	
FANR 3700 - Natural Resources Data Processing		4
prereq Statistics		
S:	05 MWF	
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	
FANR 4800W - Policy		2
prereq Economics and senior standing		
S:	03 MW	
Total Hours:		16



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		

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

Major hours needed to graduate: 60

Elective Options		Hours
PHYS 1111 - Introductory Physics I		
Choose one Physics I course (4+ hours)		
	PHYS 1111 - Intro Physics Mechanic	4
prereq	Precalculus	
S:	03 MWF; 04 MWF; 07 MWF	01-02 F; 01-02 M; 01-02 W; 05-06 F; 05-06 M; 05-06 W; 09-10 M; 09-10 W; 72-73 R; 72-73 T; 74-75 R; 75-76 T; 77-78 R
SU:	02 MTWRF	05-07 MW; 74-75 TR
F:	03 MWF; 04 MWF; 07 MWF; 74 TR	01-02 F; 01-02 M; 01-02 W; 05-06 M; 05-06 W; 09-10 M; 09-10 W; 72-73 R; 72-73 T; 75-76 T; 77-78 R; 77-78 T
	PHYS 1211 - Prin Physics for Scie Engr La	4
prereq	Calculus	
S:	02 MWF; 05 MWF; 06 MWF	03-04 F; 03-04 M; 03-04 W; 07-08 M; 77-78 T
SU:	04-05 MTWRF	07-09 MW
F:	72 TR; 73 TR	03-04 F; 03-04 M; 03-04 W; 07-08 M; 07-08 W
	PHYS 1311 - Adv Introductory Physics I La	4
prereq	MATH 2250; pre or coreq: MATH 2260	
S:	72 TR	07-08 W
Required Option #1 (choose 2)		
Choose two courses (6+ hours total)		
	WASR 4500 - Quantitative Methods/Hydrol.	3
prereq	ENVE 4435 or FANR 3060 or WASR 4110 or GEOL 4220 or GEOG 4030 or CRSS 4600	
S:	02 MWF	
F:	72 TR	
	CRSS 4600 - Soil Physics	4
prereq	FANR 3060 and Calculus and Physics I	
S:	04 MWF	74-75 R
	GEOL 4220 - Hydrogeology	3
F:	74 TR	
Required Option #2		
Choose one course (3+ hours)		
	CRSS 4540 - Pedology	3
prereq	FANR 3060	
S:	03 WF	05-08 M
	GEOG 3010 - General Geomorphology	3
F:	73 TR	
Required Option #3		
Choose one course (3+ hours)		
	FISH 4310 - Freshwater Ecosystems	4
prereq	Ecology	
F:	02 MWF	06-08 M
	CRSS 4610 - Soil Microbiology	3
F:	02 MW	06-07 F
	EHSC 4310 - Environmental Microbiology	4
prereq	MIBO 3000 or 3500	
S:	72 TR	06-08 M; 06-08 W
WASR Electives		
Choose 9 hours with your faculty mentor		
	COFA 5301 - Comm Urban Soils Site Develop	4
prereq	FANR 3060 and COFA 5001	

01	02	03	04	05	06	07	08	09	10	11	12	13
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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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S: 02 MWF	06-08 W	
FANR 5950 - Special Topics in FANR		3
prereq open enrollment or permission of instructor, depending on topic		
S: VR		
S: VR		
SU: VR		
F: VR		
FISH 4310 - Freshwater Ecosystems		4
prereq Ecology		
F: 02 MWF	06-08 M	
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	
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		
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		
CRSS 2010 - Crop Science		3
VR		
CRSS 3540 - Soil Morphology and Interpret		1-3
prereq Permission of department		
VR		
CRSS 4540 - Pedology		3
prereq FANR 3060		
S: 03 WF	05-08 M	
CRSS 4580 - Erosion and Conserv		3
prereq FANR 3060		
VR		
CRSS 4600 - Soil Physics		4
prereq FANR 3060 and Calculus and Physics I		
S: 04 MWF	74-75 R	
CRSS 4610 - Soil Microbiology		3

F: 02 MW	06-07 F	
EHSC 4310 - Environmental Microbiology		4
prereq MIBO 3000 or 3500		
S: 72 TR	06-08 M; 06-08 W	
EHSC 4350 - Environmental Chemistry Lab		3
pre or coreq Statistics		
S: 07 MW	02-04 M; 08-10 M	
F: 07 MW	06-08 F; 08-10 M; 08-10 W	
EHSC 4490 - Environ Toxicology		3
prereq CHEM 2211 and Biology II		
F: 73 TR		
GEOG 3010 - General Geomorphology		3
F: 73 TR		
GEOG 4300 - Intro Spatial Analy		3
F: 76 TR		
GEOG 4330 - Ap Image Interp Lab		3
F: 02 MW	02-03 F	
GEOG 4350 - Remote Sensing of Environment		3
prereq GEOG 4330		
F: 72-73 T	72-73 R	
GEOL 3010 - Earth Materials Lab		4
prereq Chemistry I		
F: 05 MW	06-08 MW	
GEOL 3020 - Surficial Near-Surf Proc Lab		4
prereq GEOL 1121 or 1250; pre or co: GEOL 1122 or 1260		
F: 72 TR	75-77 T	



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