

**NATURAL RESOURCE MANAGEMENT & SUSTAINABILITY MAJOR (Water & Soil Resources Area of Emphasis)
COURSE SEQUENCE--SPRING ENTRY (Spring 2021-Spring 2022)**

SPRING 1			
FANR 3000	Field Methods		4
prereq: Enrollment in Warnell prof program			
	F: 72 TR	07-08F+(M or 74-76T)	
	S: 03 MW	07-08F+(M or 74-76T)	
FANR 3060	Soils and Hydrology		4
prereq: Chemistry I			
	F: 04 MWF	W, R: var.	
	S: 04 MWF	W, R: var.	
FANR 3300	Economics of Ren. Resources		2
1st half	F: 03 MW	02-03 F	
of term	S: 73 TR	05-06 F	
FANR 3400	Society and Natural Res.		2
2nd half	F: 03 MW	02-03 F	
of term	S: 73 TR	05-06 F	
REQUIRED OPTION, ELECTIVE, or PHYSICS			3
TERM TOTAL:			15

SPRING 2			
CRSS 4670	Environmental Soil Chemistry		3
prereq: FANR 3060			
	S: 72 TR		
FANR 4800W	Renewable Resource Policy		2
prereq: Economics and senior standing			
	S: 03 MW		
WASR 4110	Forest Hydrology		4
prereq: FANR 3060			
	S: 01 MWF	T	
REQUIRED OPTION, ELECTIVE, or PHYSICS			3
REQUIRED OPTION, ELECTIVE, or PHYSICS			3
TERM TOTAL:			15

All non-Warnell course times are subject to change without notice.

FALL 1			
FANR 3200W	Ecology of Natural Res.		4
prereq: Biology II			
	F: 03 MWF	M, F	
	S: 71 TR	T, R	
FANR 3800	Spatial Analysis		3
prereq: FANR 3000			
	F: 01 MW	W, R	
	S: 05 MW	W, R	
GEOL 4220	Hydrogeology		3
prereq: none			
	F: 74 TR		
REQUIRED OPTION, ELECTIVE, or PHYSICS			3
REQUIRED OPTION, ELECTIVE, or PHYSICS			4
TERM TOTAL:			15

FALL 2			
FANR 4500S or 4990R	Senior Project or Senior Thesis		4
pre or coreq: FANR 3300, final semester			
	F: 3:30-4:30 R	or var.	
	S: 01 M	or var.	
REQUIRED OPTION, ELECTIVE, or PHYSICS			3
REQUIRED OPTION, ELECTIVE, or PHYSICS			3
REQUIRED OPTION, ELECTIVE, or PHYSICS			3
TERM TOTAL:			15

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

TERMS:	
F:	Fall
S:	Spring
SU:	Summer

Hours Needed to Graduate:
60

Underneath each course title, you will find listed the term, the class period and days meeting for the lecture, and the day(s) the labs are offered, separated by a comma for separate sections. Assume the labs are in the afternoon (periods 06 or 75 or later), unless otherwise noted.

**NATURAL RESOURCE MANAGEMENT & SUSTAINABILITY MAJOR (Water & Soil Resources Area of Emphasis)
COURSE SEQUENCE--SPRING ENTRY (continued)**

OPTIONS & ELECTIVES:

REQUIRED OPTION #1			
CRSS 4600	Soil Physics	4	
prereq:	FANR 3060, Calculus, & Physics I		
also online	S: 05 MWF	74-75 R	
WASR 4500	Quant. Methods in Hydrology	3	
prereq:	FANR 3060		
	F: 72 TR		

REQUIRED OPTION #2			
CRSS 4540	Pedology	3	
prereq:	FANR 3060		
	S: 03 MWF	07-09 M	

^req'd for cert as soil classifier in Georgia

GEOG 3010	General Geomorphology	3	
prereq:	none		
	F: 73 TR		

REQUIRED OPTION #3			
CRSS 4610	Soil Microbiology	3	
prereq:	none		
	F: 02 MW	06-07 F	

EHSC 4310	Environmental Microbiology	4	
prereq:	MIBO 3000 or 3500		
	S: 72 TR	06-08 W	

WASR 4310	Freshwater Ecosystems	4	
prereq:	FANR 3200W		
	F: 02 MWF	06-08 M	

COMPUTER PROGRAMMING OPTION			
CSCI 1301	Intro to Computing	4	
prereq:	Precalculus		
	F: 72, 73, 74, or 75 TR*		
	S: 72, 73, 74, or 75 TR*		
	SU: also offered		

^many labs are offered at various times

CSCI 1360	Informatics & Data Analytics	4	
prereq:	Precalculus		
	S: 76 TR	08 W	

CSCI 2150	Intro to Computational Science	4	
prereq:	Precalculus		
even years	S: 72 TR	08 MW or 73 TR	

FANR 4700	Computational Plant Science	3	
prereq:	STAT 2000 or BIOS 2010		
	S: AR		

PHYSICS I

PHYS 1111	Physics I	4	
prereq:	Precalculus		
	F: 06 MWF	various	
	F: 07 MWF	various	
	F: 72 TR	various	
	F: 73 TR	various	
	S: 06 MWF	various	
	S: 07 MWF	various	
	SU: also offered		

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Water & Soil Resources Electives (9 hrs)

CRSS 2010	Crop Science	3	
prereq:	none		

CRSS 3540	Soil Morphology & Interp.	1-3	
prereq:	permission of department		

CRSS 4540	Pedology	3	
prereq:	FANR 3060		

CRSS 4580	Soil Erosion & Conservation	3	
prereq:	FANR 3060		

CRSS 4600	Soil Physics	3	
prereq:	FANR 3060, Calculus, and Physics I		

CRSS 4610	Soil Microbiology	3	
prereq:	none		

EHSC 4310	Environmental Microbiology	4	
prereq:	MIBO 3000 or 3500		

EHSC 4350	Environmental Chemistry	3	
prereq:	Organic Chemistry I & Precalculus		
pre or coreq:	STAT 2000 or BIOS 2010		

EHSC 4490	Environmental Toxicology	3	
prereq:	Organic Chemistry I & Biology II		

EHSC 4610	Water Pollution & Health	3	
prereq:	FANR 3060		

FORS 3010	Dendrology	3	
prereq:	Biology II		
	F: 73 TR	T, W, R	
	S: 72 TR	T, W, R	

GEOG 3010	General Geomorphology	3	
prereq:	none		

GEOG 4060	Field Mthds: Monitor & Assess	3	
prereq:	none		

GEOG 4300	Data Science in Geography	3	
coreq:	none		

GEOG 4330	Aerial Photos & Interp	3	
prereq:	none		

GEOG 4350	Remote Sensing of Envir.	3	
prereq:	GEOG 4330		

GEOL 3010	Earth Materials	4	
prereq:	Chemistry I		

GEOL 3020	Surficial & Near-Surf. Proc.	4	
prereq:	GEOL 1121 or 1250		
pre or coreq:	GEOL 1122 or 1260		

GEOL 4110	Principles of Geochemistry	3	
prereq:	Chemistry II & GEOL 3010		

WASR 3000+	any 3000+ WASR course	var.	
prereq:	various		

WASR 3900	WASR Internship	3	
prereq:	apply before internship on Warnell site		
	SU: VR		

^only 3 hrs of 3900 can count towards graduation

WASR 4000	Forest Soil Management	3	
prereq:	FANR 3060		
odd years	S: 71 TR	75-76 R	

WASR 4310	Freshwater Ecosystems	4	
prereq:	FANR 3200W		
	F: 02 MWF	06-08 M	

WASR 4500	Quant. Methods in Hydrol.	3	
prereq:	FANR 3060		
	F: 72 TR		

WASR 4660	Hydrogeochem. Characteriz.	3	
prereq:	Chemistry II and FANR 3060		
	S: AR		

WASR 4700L	Hydrol., Geol., & Soils of GA	3	
prereq:	apply through StudyAway portal		
	SU: VR (Maymester)		

or other, advisor-approved course

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