

Working with
Nature
for Society's
Well-Being

School of Forestry & Wildlife Sciences

2020 - 2021 · GEOSPATIAL & ENVIRONMENTAL INFORMATICS CURRICULUM (GSEI)

FRESHMAN

FALL

ENGL	1100	English Composition I	3
BIOL	1020	Principles of Biology	3
BIOL	1021	Principles of Biology Lab	1
GEOG	1010	Global Geography	3
GSEI	1200	Digital Earth (M)	3
COMP	1210	Fundamentals of Computing I	3

TOTAL SEMESTER HOURS

16

SPRING

ENGL	1120	English Composition II	3
BIOL	1030	Organismal Biology	3
BIOL	1031	Organismal Biology Lab	1
MATH	1610	Calculus I	4
FOWS	2060	Introduction to Forested Landscapes	2
STAT	2010	Statistics for Social & Behavioral Sciences	3
		or	
		or	
	2510	Statistics for Biological & Health Sciences	16

TOTAL SEMESTER HOURS

16

SOPHOMORE

FALL

ECON	2020	Principles of Microeconomics	3
CORE	HIST	History	3
CORE	LIT	Literature	3
COMP	2210	Fundamentals of Computing II	4
ELEC	FREE	Free Elective	3

TOTAL SEMESTER HOURS

16

SPRING

GSEI	2070	Intro to Environmental Informatics (M)	3
GEOG	2020	Physical Geography	3
NATR	2020	Natural Resource Field Methods (M)	3
CORE	SOC	History or Social Science ¹	3
CORE	HUM	Literature or Humanities ¹	3

TOTAL SEMESTER HOURS

15

JUNIOR

FALL

FORV	5470	GIS Applications in Natural Resources (M)	2
GEOG	5820	Aerial Photography & Remote Sensing (M)	4
ENGL	3040	Technical Writing	3
COMM	1000	Public Speaking	3
COMP	2710	Software Construction	3

TOTAL SEMESTER HOURS

15

SPRING

FORV	5480	GIS Database Design & Analysis (M)	2
FORV	4230	Forest Ecology (M)	3
GSEI	5150	Spatial Statistics in Natural Resources (M)	3
CORE	FINE	Fine Arts	3
ELEC	FREE	Free Elective	3
		or	
		or	
		or	
FOWS	5220*	Landscape Ecology (M) (Sp. - even years)	14

TOTAL SEMESTER HOURS

14

SENIOR

FALL

GEOG	5880	Advanced GIS (M)	3
GSEI	4360	Environmental Modeling (M)	3
GSEI	4430	Applications in Environmental Informatics (M)	3
FOWS	5270	Natural Resource Policy	3
ELEC	FREE	Free Elective	4

TOTAL SEMESTER HOURS

16

SPRING

NATR	4240	Watershed Management	3
GEOG	5400*	Geography of Natural Hazards	3
NATR	5880	Ecological Economics	3
FOWS	5220*	Landscape Ecology (M) (Sp. - even years)	3

TOTAL SEMESTER HOURS

12

Courses listed with (M) are major courses and must be completed with a cumulative GPA of 2.0 or better.

¹ Student must complete a sequence in either Literature or History.

* Student must take FOWS 5220 or GEOG 5400 in the spring of either their junior or senior year, as offered.

120 TOTAL SEMESTER HOURS

02/20

Students planning a certificate, minor, additional major or second degree must contact the student services office as early as possible at (334) 844-1050 for referral to the appropriate school or college within Auburn University, advising in prerequisites, checks for minimum GPA requirements, and course scheduling. *All information presented here is subject to change.* SFWS Student Services: PHONE (334) 844-1001, FAX (334) 844-8093. Current information: http://bulletin.auburn.edu/undergraduate/schoolofforestryandwildlifesciences/preforestry_major/geospatialandenvironmentalinformatics/

Name:

ID#: