

Working with
Nature
for Society's
Well-Being

School of Forestry & Wildlife Sciences

2018 - 2019 · 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	1200	Intro Computing for Engineers & Scientists	2

TOTAL SEMESTER HOURS 15

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

GSEI	2070	Intro to Environmental Informatics (M)	3
ECON	2020	Principles of Microeconomics	3
CORE	HIST	History	3
CORE	LIT	Literature	3
COMP	2000	Network Programming with HTML & Java	3

TOTAL SEMESTER HOURS 15

SPRING

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
ELEC	FREE	Free Elective	3

TOTAL SEMESTER HOURS 15

JUNIOR

FALL

FOR Y	5470	GIS Applications in Natural Resources (M)	2
GEOG	5820	Aerial Photography & Remote Sensing (M)	4
COMM	1000	Public Speaking	3
ENGL	3040	Technical Writing	3
COMP	3000	Programming for Engineers & Scientists	3

TOTAL SEMESTER HOURS 15

SPRING

FOR Y	5480	GIS Database Design & Analysis (M)	2
FOR Y	4230	Forest Ecology (M)	3
GSEI	5150	Spatial Statistics in Natural Resources (M)	3
CORE	FINE	Fine Arts	3
ELEC	FREE	Free Elective	3

TOTAL SEMESTER HOURS 14

SENIOR

FALL

FOWS	5220	Landscape Ecology (M)	3
GEOG	5880	Advanced GIS (M)	3
GSEI	4360	Environmental Modeling (M)	3
GSEI	4430	Applications in Environmental Informatics (M)	3
ELEC	ECON	Restricted Economics or Management Elective	3

TOTAL SEMESTER HOURS 15

SPRING

FOWS	5320	Environmental Services (M)	3
NATR	5880	Ecological Economics	3
FOWS	5270	Natural Resource Policy	3
ELEC	MGMT	Restricted Economics or Management Elective	3
ELEC	FREE	Free Elective	3

TOTAL SEMESTER HOURS 15

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.

120 TOTAL SEMESTER HOURS

08/18

Restricted Management Elective

NATR	5250	Wetland Ecology & Management	3
WILD	3280	Wildlife Ecology & Management	3
FOR Y	5410	Forest Management & Administration	3

Restricted Economics Elective

FOR Y	5400	Forest Economics	3
ECON	3100	Law & Economics	3
FOR Y	4500	Natural Resource Law	3

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#: