Working with Nature for Society's Well-Being

AUBURN UNIVERSITY

College of Forestry, Wildlife & Environment

2025 - 2026 • GEOSPATIAL INFORMATION SCIENCE (GSIS)

Name:

ID#:

FRESHMAN

FALL

ENGL	1100	English Composition I	3
GEOG	1010	Global Geography	3
GSEI	1200	Introduction to Geospatial Technology (M)	3
ELEC	FREE	Free Elective	3
CORE		Restricted Science Elective I[1]	4
TOTAL SEMESTER HOURS			**16**

SPRING

ENGL	1120	English Composition II	3
MATH	1610	Calculus I	4
CORE		History[2] or Social Science	3
CORE		Restricted Science Elective II[1]	4
TOTAL SEMESTER HOURS			**14**

SOPHOMORE

FALL

STAT	2510	Statistics for Biological & Health Sciences	3
GEOG	1030	Global Systems Land/Water	4
FORY	5470	GIS Applications in Natural Resources (M)	2
NATR	2100	Intro to Landscape Ecology[5]	4
CORE		Restricted Social Science Elective[3]	3
TOTAL SEMESTER HOURS			**16**

SPRING

GSEI	2070	Intro to Environmental Informatics (M)	3
NATR	2020	Natural Resource Field Methods	3
ELEC	FREE	Free Elective	2
CORE		Literature[2] or Humanities	3
CORE		History[3]	3
TOTAL SEMESTER HOURS			**14**

JUNIOR

FALL

GEOG	5820	Aerial Photography & Remote Sensing (M)	4
GSEI	5800	Python Programming for the Environment	4
ELEC		Restricted Applications Elective	3
CORE		Literature	3
TOTAL SEMESTER HOURS			**14**

SPRING

FORY	5480	GIS Database Design & Analysis (M)	3
NATR	4240	Watershed Management (M)	3
WILD	5750	Analysis for Env. & Health Sciences (M)	4
ELEC	FREE	Free Elective	3
CORE		Fine Arts	3
TOTAL SEMESTER HOURS			**16**

SENIOR

FALL

COMM	1000	Public Speaking	3
GSEI	5360	Environmental Modeling (M)	3
GSEI	5430	Applications in Environ. Informatics (M)	3
ENGL	3040	Technical Writing	3
ELEC		Restricted Applications Elective	3
TOTAL SEMESTER HOURS			**15**

SPRING

FOWS	5270	Natural Resource Policy	3
GSEI	5150	Spatial Statistics in Natural Resources (M)	3
GEOG	5880	Advanced GIS (M)	3
STAT	4000	Introduction to Data Science	3
ELEC		Restricted Applications 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 an 8-credit sequence with labs in Biology (BIOL 1020/1021/1030/1031), Physics (PHYS 1500/1510), or Chemistry (CHEM 1030/1031/1040/1041).

[2] Student must complete a two-semester sequence in either History or Literature.

[3] Student must complete one of the following courses: ECON 2020, NATR 2050, SUST 2000.

[4] Student may also complete COMP 1220 or GEOG 5890.

[5] Students may also complete FORY 4230 and 1 hour Free Elective or BIOL 3060

120 TOTAL SEMESTER HOURS **07/25**

All information presented here is subject to change. Current information: https://bulletin.auburn.edu/undergraduate/schoolofforestryandwildlifesciences/preforestry_major/geospatialandenvironmentalinformatics/

Restricted Applications Electives - *students must complete 9 credits from the list below*

**Semester availability is provided to the best of our knowledge and is NOT guaranteed.*

BATM	3110	Ag Technology in Geospatial Applications	3	Fall
BSEN	5220	Geospatial Technologies in Biosystems	3	Fall
COMM	2400	Introduction to Workplace Communication	3	Fall
CPLN	5010	Introduction to Community Planning	3	Fall
CPLN	5040	Land Use Planning	3	
CPLN	5460	GIS for Planning & Policy	3	Spring
GEOG	5210	Climatology	3	Spring (Odd Years)
GEOG	5400	Geography of Natural Hazards	3	Spring (Even Years)
GEOG	5700	Quantitative Methods & Spatial Analysis	3	Fall
GEOG	5850	Drones & Geospatial Applications	3	Spring (Even Years)
ISMN	5360	GIS for Business	3	
NATR	5310	Environmental Ethics	3	Fall/Spring
NATR	5550	Watershed Hydrology	3	
NATR	5880	Ecological Economics	3	Fall
MNGT	3810	Management Foundations	3	Fall/Spring
PHIL	2110	Logic & Reasoning	3	Fall/Spring
PHIL	1040	Business Ethics	3	Fall/Spring
POLI	3160	National Security Policy	3	Fall/Spring
LEAD	2000	Foundations of Leadership	3	Fall/Spring