

# B.S. DEGREE REQUIREMENTS

## Core Area I: Foundation Courses (9 hours)

ENGL 1101: English Composition I
ENGL 1102: English Composition II
MATH 1113: Pre-calculus

## Core Area II: Sciences (7-8 hours)

BIOL 1107-1107L: Principles of Biology I
CHEM 1211-1211D & 1211L: General Chemistry I

## Core Area III: Quantitative Reasoning (3-4 hours)

MATH 2250: Calculus I
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*\*Visit [bulletin.uga.edu](http://bulletin.uga.edu) for the latest information and a comprehensive list of available courses.*

## Core Area IV: Global Culture (12 hours)

Humanities and the Arts (3 hours)
World Languages and Culture (9 hours)

## Core Area V: Social Sciences (9 hours)

## Core Area VI: Courses Related to the Major (20 hours)

BCMB 3100: Introductory Biochemistry and Molecular Biology*
BIOL 1108-1108L: Principles of Biology II
CHEM 1212-1212D & 1212L: General Chemistry II
CHEM 2211 - 2211D & 2211L: Organic Chemistry II
PHYS 1111-1111L: Intro Physics

# MAJOR REQUIREMENTS

## Required Courses (26-28 hours) - Choose from the following examples

BIOS 2010: Elementary Biostatistics*
ECOL 3400: Professional Development for Careers in Ecology
ECOL 2550: Intro to Ecological Data Science
ECOL 3500 & 3500L: Ecology
ECOL 4010 & 4010L: Ecosystem Ecology*
ECOL 4150-4150L: Population Biology of Infectious Diseases*
ECOL 4240-4240L: Physiological Ecology*
ECOL 4500: Evolutionary Ecology*

## Natural History (4 hours) - Choose from the following examples

ECOL 4050-4050L: Ichthyology
ECOL 4070-4070L Invertebrate Biology and Ecology
ENTO 3140-3140L: Insect Natural History
ENTO 4000-4000L: General Entomology
PATH 4200-4200L: Mycology
PBIO 4650-4650L: Plant Biodiversity
WILD 4040-4040L: Herpetology
WILD 4050 & 4050L Mammalogy
WILD 4060-4060L: Ornithology
WILD 3580-3580L Vertebrate Natural History

## Methods & Skills (3-4 hours) - Choose from the following examples

CRSS 3060 & 3060L: Soils and Hydrology
ECOL 3100-3100L: Tropical Field Ecology
ECOL 4225-4225L: Methods in Marine Ecology
ECOL 4310 & 4310L: Freshwater Ecosystems
ECOL 4450-4450L: GIS for Ecologists
ECOL 4960R: Faculty-Mentored Undergraduate Research I
MARS(PBIO) 4160-4160L: Life and Death in the Salt Marsh
MARS 4500: Field Study in Oceanography and Marine Methods

## Major Electives (11-16 hours) - Choose from the following examples

ANTH 4070: Cultural Ecology
ANTH 4120L: Zooarchaeology
ANTH 4261: Museum of Natural History Internship
ATSC 3110: Climatology
BIOL 3720L: Field Animal Behavior
CRSS 4590: Soil Fertility and Plant Nutrition
CRSS 4930: Agroecology of Tropical America
ECOL 3440: Science Communication for Ecologists
ECOL 3530: Conservation Biology
ECOL 3700: Agroecology and Sustainable Farming
ECOL 4130L: Ecological Methodology
ECOL 4220: Restoration Ecology
ECOL 4540: Behavioral Ecology
FANR 4350: Conservation Genetics
FISH 4300: Environmental Biology of Fishes
GENE 3200-3200D: Genetics
GEOG 4810: Political Ecology and Environmental Governance
JURI 4810: Natural Resources Law
MARS 4810: Global Biogeochemical Cycles
PATH 3010: Fungi: Friends & Foe
PBIO 4520: Plant-Animal Interactions
STAT 4240: Sampling and Survey Methods
WASR 4700L: Hydrology, Geology, and Soils of Georgia
WILD 4575: Conservation Medicine



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# B.S. IN ECOLOGY

The **Bachelor of Science** degree has a strong basic science emphasis and provides training in all levels of ecological study from organismal to population and community and ecosystem ecology. This program prepares students for graduate study in Ecology or allied fields or careers in ecological research, environmental consulting or work with governmental agencies in natural resource management or protection. To be prepared for careers in ecology, students are provided a solid foundation in the fundamental sciences of biology, chemistry, calculus, physics and data analysis.

## PATHWAYS

### What are your interests?

These pathways can help guide you to courses that align with your interests and career goals.

**Aquatic Ecology**



**Marine Ecology**

**Conservation Ecology**



**Environmental Consulting**

**Pre-Health**



**Ecological Education**



Odum School of Ecology  
UNIVERSITY OF GEORGIA

*Still curious or want to set up a tour? Contact our Undergraduate Academic Advisor Misha Boyd at [mlboyd@uga.edu](mailto:mlboyd@uga.edu)*