



Undergraduate Coursework in Biology

Fall Semesters

Introduction to Biology I with lab

Ecology & the Environment

Lecture Courses (3 credit hours)

Biochemistry I
 Economic Botany
 Evolution
 Fundamentals of Biochemistry
 Introductory Neuroscience
 Mammalian Physiology
 Medicinal Chemistry
 Principles of Toxicology (W)
 Virology (W)

Lecture/Lab Courses (3-4 credit hours)

Biostatistics
 Comparative Vertebrate Anatomy
 Ecology of Lakes & Streams
 Genomics (W)
 Human Anatomy
 Immunology
 Invertebrate Biology
 Introduction to Marine Science
 Microbiology
 Plant Biology

Seminar Courses (1 credit hour)

Biology of Cancer
 Ethical Traveler
 Evolutionary Medicine
 Global Health
 Neurobiology of Aging
 Oncology and Community Health

Spring Semesters

Introduction to Biology II with lab

Cellular, Molecular & Developmental Biology

Lecture Courses (3 credit hours)

Biochemistry II
 Biogeography
 Functional Neuroanatomy
 Genetics
 Human Parasitology
 Mammalogy
 Medical Microbiology
 Molecular Basis of Human Disease
 Terrestrial Ecosystems

Lecture/Lab Courses (3-4 credit hours)

Avian Biology
 Biochemistry Lab (W)
 Biostatistics
 Conservation Genetics (W)
 Developmental Biology
 Histology
 Immunology
 Marine Biology of the Tropics (SA,W)
 Microbiology
 Plant Systematics
 Structural Biology of Drug Design
 Tropical Biology (SA,W)
 Vertebrate Endocrinology (W)

Seminar Courses (1 credit hour)

Behavioral Ecology
 Human Health and Global Change
 Health Service-Learning
 Neurobiology of Aging
 Population Genetics
 Topics in Medicine

Special Problems/Projects Courses (1-3 credit hours)

Biol Research & Writing (W) Independent Research Senior Honors Research (W)
 Teaching of Biology Teaching of Advanced Biology

35 hours of Biology course work required for BS
 Required courses typically taken in year 1 (orange)
 Required course typically taken in year 2 (yellow)
 SA = Study Abroad; W = Writing Emphasis Course

26 hours of Biology coursework required for BA
 Elective courses taken in years 3 and 4 (green)
 Note: Course offerings are subject to change