



# 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  
 Terrestrial Ecosystems  
 Virology (W)

### **Lecture/Lab Courses (3-4 credit hours)**

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

### **Seminar Courses (1 credit hour)**

Biology of Cancer  
 Ethical Traveler  
 Evolutionary Medicine  
 Global Health  
 Introduction to R & Excel  
 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  
 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  
 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)