### Undergraduate Coursework in Biology

#### Fall Semesters

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>Introduction to Biology I with lab</td>
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<tr>
<td>Ecology &amp; the Environment</td>
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**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

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>Introduction to Biology II with lab</td>
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<tr>
<td>Cellular, Molecular &amp; Developmental Biology</td>
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**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

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35 hours of Biology coursework required for BS
26 hours of Biology coursework required for BA

Required courses typically taken in year 1 (orange)
Required course typically taken in year 2 (yellow)
SA = Study Abroad; W = Writing Emphasis Course

Last updated September 2018