Biological Sciences
57 credits
Bachelor of Science

A biological sciences degree prepares students for graduate work in biology as well as for medical or dental school.

Employment:
- Public Health departments
- Zoos and aquariums
- Wildlife preserves
- Private research Institutions
- Colleges of Agriculture
- Hospitals and clinics
- Laboratories for textiles, food production, chemicals, pharmaceuticals, and forestry products
- Regulatory agencies such as the National Institute of Health and the Food and Drug Administration

Core Courses
6 courses - 14 credits
- BIOSC 0170 & 0070: Foundations of Biology 1 & Lab
- BIOSC 0180 & 0080: Foundations of Biology 2 & Lab
- BIOSC 0350: Genetics
- BIOSC 1000*: Biochemistry

* With consultation of a Faculty Advisor and a minimum QPA requirement, students may substitute the multi-course Biochemistry sequence of BIOSC 1810, BIOSC 1820, and BIOSC 1825.

Upper Level Courses
13 credits
Students must take a minimum of two lecture/lab combinations.

Courses with Labs
- BIOSC 1110 & 1111: Anatomy and Physiology 1 & Lab
- BIOSC 1115 & 1116: Anatomy and Physiology 2 & Lab
- BIOSC 1385: Genomics & Lab
- BIOSC 1275 & 1285: Ecology and Environment
- BIOSC 1500 & 1510: Cell Biology & Lab
- BIOSC 1850 & 1860: Microbiology & Lab
- BIOSC 1940 & 1950: Molecular Lecture & Lab
- BIOSC 1960: Primate Biology

Courses without Labs
- BIOSC 1017: Epidemiology
- BIOSC 1090: Intro to Biopsychology
- BIOSC 1150: History of Evolutionary Thought
- BIOSC 1215: Intro to Neuroscience
- BIOSC 1371: Environmental Health
- BIOSC 1440: Animal Behavior
- BIOSC 1535: Sensation and Perception
- BIOSC 1730: Virology
- BIOSC 1760: Immunology
- BIOSC 1855: Medicinal Chemistry

Other Required Science Courses
9 courses - 24 credits
- CHEM 0310 & 0330: Organic Chemistry 1 & Lab
- CHEM 0320 & 0340: Organic Chemistry 2 & Lab
- PHYS 0110: Introduction to Physics 1
- PHYS 0111 & 0212: Introduction to Physics 2 & Lab
- MATH 0220: Analytic Geometry and Calculus 1
- STAT 1000**: Applied Statistical Methods

** With the consultation of a Faculty Advisor, students may substitute MATH 0230 - Analytic Geometry and Calculus 2 for STAT 1000.

Additional Requirement
2 courses - 6 credits
Biology majors must take the following sequence of courses to fulfill the capstone requirement:
- BIOSC 1960: Scientific Writing
- BIOSC 1962: Biology Undergraduate Research OR
- BIOSC 1963: Biology Undergraduate Independent Research