



University of  
Pittsburgh  
Greensburg

# Biological Sciences

## undergraduate program

### 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	Ecology and Environment
BIOSC 1275 & 1285	Genomics & Lab
BIOSC 1500 & 1510	Cell Biology & Lab
BIOSC 1850 & 1860	Microbiology & Lab
BIOSC 1940 & 1950	Molecular Lecture & Lab
BIOSC 1520 & 1530	Developmental Lecture & Lab
BIOSC 1235	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 <b>OR</b>
BIOSC 1963	Biology Undergraduate Independent Research



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