



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

BIOSC 0170 & 0070
BIOSC 0180 & 0080
BIOSC 0350
BIOSC 1000*

6 courses - 14 credits

Foundations of Biology 1 & Lab
Foundations of Biology 2 & Lab
Genetics
Biochemistry

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

Upper Level Courses

13 credits

Students must take a minimum of two lecture/lab combinations. Courses marked with asterisks are recommended for students who are seeking the strongest preparation for graduate, medical, and dental school.

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

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 1540 Computational Biology
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 consent 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

NOTE: Prerequisites for courses are not shown

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