

# BIOLOGY, MINOR

Requirements for a minor may be completed at any campus location offering the specified courses for the minor. Students may not change from a campus that offers their major to a campus that does not offer their major for the purpose of completing a minor.

## Program Description

This minor is designed for students in non-Life Science majors, who desire to obtain an in-depth and well-rounded knowledge of Biology – the science of life and living organisms. This minor is not intended for "Life Science" oriented majors, including Biological Anthropology, Premedicine, and Science, Life Science option. After taking an introductory survey course which exposes students to the basics of Biology, including the chemistry of life, cell structure, genetics, mechanisms of evolution and evolutionary history of biological diversity, plant and animal form and function, and ecology, students select additional courses based on their biological emphasis to account for a total of 18-20 credits. In conjunction with the student's major, the minor prepares students for entry to graduate school or professional school programs, as well as for technical or research careers with governmental agencies or industry. Majors complemented by this minor would include but not be limited to other life and physical sciences, engineering, and business.

## What is Biology?

Biology is the scientific study of life: the diversity and organization of organisms, from single-celled bacteria to multi-cellular plants and animals, including humans. These different levels of biological organization range from the molecules and cells that compose an organism, to the interacting organisms that make up an ecosystem.

## You Might Like this Program If...

- You want to complement your major by acquiring additional knowledge and skills in biology.
- You have an interest in learning more about biology, but do not have enough time to complete the major.

## Program Requirements

Requirement	Credits
Requirements for the Minor	18-20

## Requirements for the Minor

A grade of C or better is required for all courses in the minor, as specified by Senate Policy 59-10 (<https://senate.psu.edu/policies-and-rules-for-undergraduate-students/59-00-minors-and-certificates/#59-10>). In addition, at least six credits of the minor must be unique from the prescribed courses required by a student's major(s).

Code	Title	Credits
<b>Prescribed Courses</b>		
<i>Prescribed Courses: Require a grade of C or better</i>		
BIOL 110	Biology: Basic Concepts and Biodiversity	4
<b>Additional Courses</b>		
<i>Additional Courses: Require a grade of C or better</i>		
Select 7-8 credits of the following:		7-8
BIOL 129	Mammalian Anatomy	
BIOL 141	Introduction to Human Physiology	

BIOL 142	Physiology Laboratory
BIOL 161	Human Anatomy and Physiology I - Lecture
BIOL 162	Human Anatomy and Physiology I - Laboratory
BIOL 163	Human Anatomy and Physiology II - Lecture
BIOL 164	Human Anatomy and Physiology II - Laboratory
BIOL 220W	Biology: Populations and Communities
BIOL 222	Genetics
BIOL 230W	Biology: Molecules and Cells
BIOL 240W	Biology: Function and Development of Organisms
BIOL 322	Genetic Analysis

## Supporting Courses and Related Areas

*Supporting Courses and Related Areas: Require a grade of C or better*  
Select 6-9 credits from 400-level Biology courses <sup>1</sup> 6-9

<sup>1</sup> BIOL 400, BIOL 496, and SC 495 credits may not be used to fulfill this requirement.

## Academic Advising

The objectives of the university's academic advising program are to help advisees identify and achieve their academic goals, to promote their intellectual discovery, and to encourage students to take advantage of both in-and out-of class educational opportunities in order that they become self-directed learners and decision makers.

Both advisers and advisees share responsibility for making the advising relationship succeed. By encouraging their advisees to become engaged in their education, to meet their educational goals, and to develop the habit of learning, advisers assume a significant educational role. The advisee's unit of enrollment will provide each advisee with a primary academic adviser, the information needed to plan the chosen program of study, and referrals to other specialized resources.

READ SENATE POLICY 32-00: ADVISING POLICY (<https://senate.psu.edu/policies-and-rules-for-undergraduate-students/32-00-advising-policy/>)

## University Park

**Barbara DeHart**  
Director, Undergraduate Biology Advising  
227 Ritenour Building  
University Park, PA 16802  
814-865-2329  
psubioadvising@psu.edu

## Abington

**Eric Ingersoll**  
Program Chair  
1600 Woodland Road  
Abington, PA 19001  
215-881-7492  
epi1@psu.edu

## Altoona

**Laura Palmer**  
Associate Professor of Biology  
Hawthorn Building 109  
3000 Ivyside Park  
Altoona, PA 16601  
814-949-5205

lkp3@psu.edu

## Berks

### Maureen Dunbar

Program Coordinator, Associate Professor  
Luerssen 101H  
Reading, PA 19610  
640-396-6328  
BKbiology@psu.edu

## Brandywine

### Mick Yoder

Assistant Professor of Biology  
25 Yearsley Mill Road  
Media, PA 19063  
610-892-1462  
mdy103@psu.edu

## Erie

### Adam Simpson, Ph.D.

Assistant Teaching Professor of Biology  
180 Benson  
Erie, PA 16563  
814-898-6544  
ams1122@psu.edu

## Mont Alto

### Lauraine Hawkins

Assistant Professor of Biology  
208 Science and Technology Building  
Mont Alto, PA 17237  
717-749-6237  
lkh1@psu.edu

## Scranton

### Dale Holen

Associate Professor  
Dawson 207  
Dunmore, PA 18512  
570-963-2579  
dah13@psu.edu

## Schuylkill

### Lucas Redmond

Program Coordinator, Biology  
200 University Drive  
Schuylkill Haven, PA 17972  
570-385-6167  
ljr5322@psu.edu

## York

### Anne Vardo-Zalik

Associate Professor of Biology  
1 Elias Science Building  
York, PA 17403  
717-718-6705  
amv12@psu.edu

## Contact

### University Park

DEPARTMENT OF BIOLOGY  
228 Ritenour Building  
University Park, PA 16802  
814-865-2329

<https://science.psu.edu/bio/contact-us> (<https://science.psu.edu/bio/contact-us/>)

### Abington

DIVISION OF SCIENCE AND ENGINEERING  
1600 Woodland Road  
Abington, PA 19001  
215-881-7300  
epi1@psu.edu

<https://www.abington.psu.edu/academics/majors-at-abington/biology>  
(<https://www.abington.psu.edu/academics/majors-at-abington/biology/>)

### Altoona

DIVISION OF MATHEMATICS AND NATURAL SCIENCES  
Hawthorn Building 109  
3000 Ivyside Park  
Altoona, PA 16601  
814-949-5205  
lkp3@psu.edu

<https://altoona.psu.edu/academics/bachelors-degrees/biology/contact-information> (<https://altoona.psu.edu/academics/bachelors-degrees/biology/contact-information/>)

### Berks

DIVISION OF SCIENCE  
Luerssen Science Building  
Reading, PA 19610  
610-396-6328  
BKbiology@psu.edu

### Brandywine

25 Yearsley Mill Road  
Media, PA 19063  
610-892-1459  
mdy103@psu.edu

<https://www.brandywine.psu.edu/academics/minors/biology> (<https://www.brandywine.psu.edu/academics/minors/biology/>)

### Erie

SCHOOL OF SCIENCE  
1 Prischak  
4205 College Drive  
Erie, PA 16563  
814-898-6105  
behrend-science@psu.edu

<https://behrend.psu.edu/school-of-science> (<https://behrend.psu.edu/school-of-science/>)

### Mont Alto

BIOLOGY

208 Science and Technology Building  
Mont Alto, PA 17237  
717-749-6237  
lkh1@psu.edu

<https://montalto.psu.edu/academics/bachelors/minors> (<https://montalto.psu.edu/academics/bachelors/minors/>)

## **Scranton**

Dawson 211  
120 Ridge View Drive  
Dunmore, PA 18512  
570-963-2529  
mih10@psu.edu

<https://scranton.psu.edu/academics/minors-programs/biology> (<https://scranton.psu.edu/academics/minors-programs/biology/>)

## **Schuylkill**

ACADEMIC AFFAIRS  
200 University Drive  
Schuylkill Haven, PA 17972  
570-385-6167  
ljr5322@psu.edu

<https://schuylkill.psu.edu/academics/degrees/minors> (<https://schuylkill.psu.edu/academics/degrees/minors/>)

## **York**

1 Elias Science Building  
York, PA 17403  
717-718-6705  
amv12@psu.edu

<https://www.york.psu.edu/academics/baccalaureate/minors> (<https://www.york.psu.edu/academics/baccalaureate/minors/>)