

# BACHELOR OF SCIENCE IN SCIENCE

The B.S. in Science degree program is designed for students who want a broad education in science. The two options allow specialization in either the life sciences (biology, microbiology, biochemistry) or general sciences (physics, chemistry, nanoscience). Both options allow students enough flexibility to take a variety of upper-level courses in order to prepare for different post-graduation goals.

Students can choose to participate in a cooperative education program or conduct research with a faculty member. In addition, those interested in teaching high school physics, chemistry, or biology can take courses toward teacher certification through a collaborative arrangement with Albright College.

## Life Science Option

Concentrating on biology, microbiology, and biochemistry, this option prepares students for a number of career opportunities, as well as for medical, veterinary, dental, podiatry, optometry, and graduate school. Students also have the opportunity to conduct research with faculty members. Research opportunities in this option include the genetics/biochemistry of bacteria, the genetic control of metabolism in *Drosophila* and the use of cell culture systems to study development and cancer.

## General Science Option

This option concentrates on physics, chemistry, and nanoscience. Students can choose to concentrate on topics in nanoscience and may complete a semester at the Penn State University Park Nanomanufacturing Facility. Research opportunities in general science include astronomy and astrophysics, atomic and molecular physics, computational physics, laser and optical physics, subatomic particle physics, and surface chemistry.

Dr. Ike Shibley

Program Coordinator

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## Admission Process

Applying for degree admission to Penn State Berks is simple. Applications are available on the web at [berks.psu.edu](http://berks.psu.edu). Penn State reviews applications throughout the year. Students can expect a decision within four to six weeks after completing the process. Contact Berks Admissions Office with your questions at 610-396-6060.

## Transfer Students

Penn State Berks welcomes students who began their education at other institutions. Prospective transfer students are invited to use the online course evaluation guide at [admissions.psu.edu/myadmissions/tas](http://admissions.psu.edu/myadmissions/tas) as a preliminary tool to learn how credits earned at another institution can be transferred to Penn State. Contact the Berks Admissions Office with your transfer questions at 610-396-6060.

## Financial Aid

Eligibility for all financial aid is determined by completing the Free Application for Federal Student Aid (FAFSA) form available on the web at [fafsa.ed.gov](http://fafsa.ed.gov). Contact the financial aid coordinator at Berks or check the web at [psu.edu/studentaid](http://psu.edu/studentaid) for a complete description of the types of available student aid and the application process at 610-396-6070.

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# BACHELOR OF SCIENCE IN SCIENCE

The B.S. in Science is an interdisciplinary degree that provides a broad, general education in science. Students can choose from one of two options, allowing them to customize their degree: general science and life science. Students also have the opportunity to conduct undergraduate research with faculty members and to participate in cooperative education experiences through Penn State University's Eberly College of Science.

Many students enrolled in this degree program go on to graduate or professional school. Other students seek immediate employment in a wide variety of science-related disciplines, such as sales or service in chemical or drug companies, technical assistants in biological laboratories, research in industry or government, science writing, or education.

## Continuing Education

The Life Science Option prepares students for professional schools such as medical, dental, optometry, physician assistant, pharmacy, chiropractic, or veterinary, as well as graduate programs in biology, microbiology, chemistry, and biochemistry.

## Academic Minors

Enhance your degree with one of the college's academic minors; the following are recommended for Science majors.

- Business
- Communication Arts & Sciences
- Global Studies
- Professional Writing
- Spanish



## Job Titles and Salaries

The following is a list of job titles and salaries, which was compiled from the Bureau of Labor and Statistics *Occupational Outlook Handbook*. This is only a partial list to provide you examples of the kinds of jobs available to graduates with a B.S. in Science. Some positions require additional experience.

Title	2012 Median Pay
Agricultural Scientist	\$58,610
Biological Technician	\$39,750
Conservation Scientist	\$59,060
Environmental Scientist	\$63,570
Forensic Science Technician	\$52,840
Microbiologist	\$66,260



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