

Biophysics, BS

LABIPHBS

Are you interested in quantitative sciences but also have a passion for understanding life? Learn how physics, chemistry and biology intersect, and prepare to solve today's mysteries in life sciences and medicine.


Program description

The BS program in biophysics uses the methods and theories of physics to study biological systems. This includes gaining a working understanding of principles that govern all scales of biological organization, from molecular processes of life to organisms and ecosystems.

Students are exposed to novel learning methods and laboratory experiences, with additional opportunities to conduct independent research and work directly with faculty in the field. This strong foundation prepares students to seek roles within academia, medicine, renewable energy, research and technology.

In addition to reviewing the guidelines in the Concurrent Program Options section below, students interested in pursuing concurrent or second baccalaureate degrees in The College of Liberal Arts and Sciences are advised to visit [The College's website](#) for more information and requirements.

At a glance

- **College/School:** [The College of Liberal Arts and Sciences](#)
- **Location:** [Tempe](#) or [Online](#), [ASU Local](#)
- **Second language requirement:** No
- **First required math course:** MAT 270 - Calculus w/Analytic Geometry I
- **Math intensity:** Substantial 

Required courses (Major Map)

[2024 - 2025 Major Map \(on-campus\)](#)

[2024 - 2025 Major Map \(online\)](#)

[Major Map \(Archives\)](#)

Concurrent program options

Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

Admission requirements

General university admission requirements:

All students are required to meet general university admission requirements.

[First-year](#) | [Transfer](#) | [International](#) | [Readmission](#)

Tuition information

When it comes to paying for higher education, everyone's situation is different. Students can learn about [ASU tuition and financial aid](#) options to find out which will work best for them.

Change of Major Requirements

Current ASU students who wish to change their major to biophysics should have a minimum cumulative GPA of 2.50 for all critical classes they have completed.

Students should visit the [Change of Major form](#) for information about how to change a major to this program.

Attend online

ASU Online

ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may [view the program's ASU Online page](#) for program descriptions and to request more information.

ASU Local

It is now possible to earn an ASU degree with [ASU Local](#), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

Transfer options

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use [MyPath2ASU®](#) to outline a list of recommended courses to take prior to transfer.

ASU has [transfer partnerships](#) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

Global opportunities

Global experience

Study abroad affords students the opportunity to gain valuable experience in a diverse set of programs available in a variety of countries around the world. Students are able to study biophysics abroad through a wide set of opportunities related to physics, chemistry and biology.

Graduates who possess the heightened skills in communication, critical thinking and leadership they acquired through study abroad may stand out in a competitive field. More information on available programs can be found on the [Global Education website](#).

Career opportunities

The wide variety of applicability of the principles of biophysics allows for great flexibility in the choice of career or further education.

This program provides students with the necessary background for career paths in biotechnology, chemical and medical industries.

The program also provides excellent preparation for medical school or advanced graduate study in biochemistry, biophysics, neurobiology, pharmacology, physics or radiology.

Example job titles and salaries listed below are not necessarily entry level, and students should take into consideration how years of experience and geographical location may affect pay scales. Some jobs also may require advanced degrees, certifications or state-specific licensure.

Career	*Growth	*Median salary
Biological Technician 🌟	4.7%	\$49,650
Clinical Trial Manager 🌟	4.8%	\$144,440
Inside Sales Representative	3.7%	\$97,710
Medical Lab Technician 🌟	4.9%	\$57,380

<u>Medical Scientist</u> ☀	9.8%	\$99,930
<u>Physicist</u> ☀	4.7%	\$142,850
<u>Radiologist</u>	3.6%	\$0
<u>Scientist/Biochemist</u> ☀	6.7%	\$103,810

* Data obtained from the Occupational Information Network (O*NET) under sponsorship of the U.S. Department of Labor/Employment and Training Administration (USDOL/ETA).

☀ Bright Outlook

Contact information

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