Physics (Secondary Education), BS

ASU is no longer accepting new students to this program. Please explore Degree Search for other similar program options.

Are you interested in the physical world yet also have a passion for teaching? In this specialized concentration, you'll gain an excellent foundation in science while building expertise that enables you to fill in-demand opportunities in secondary education.

Program Description

The BS program in physics with a concentration in secondary education provides rigorous training in physics and in education. Physics is the cornerstone of STEM disciplines --- science, technology, engineering and mathematics.

In addition to gaining a solid foundation in physical science and mathematics, students acquire the knowledge and skills needed to enter the secondary school teaching profession as a certified physics teacher or attend graduate school for physics.

In addition to 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.
https://thecollege.asu.edu/concurrent-and-second-baccalaureate-degrees

At a Glance

- **College/School:** The College of Liberal Arts and Sciences
- **Location:** Tempe
• Additional Program Fee: Yes
• Second Language Requirement: No
• **First Required Math Course:** MAT 270 - Calculus w/Analytic Geometry I
• **Math Intensity:** Substantial

**Required Courses (Major Map)**

2021 - 2022 Major Map  
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

**Change of Major Requirements**

Students should refer to [https://changemajor.apps.asu.edu](https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**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™](https://changeprogram.asu.edu) 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. Students may learn more about these programs by visiting the admission site: [https://admission.asu.edu/transfer/MyPath2ASU](https://admission.asu.edu/transfer/MyPath2ASU).

**Global Opportunities**

**Global Experience**

Students wishing to pursue a future in education must understand the diverse set of experiences, backgrounds and cultures that can shape the students in their classrooms. Students can enhance their
physics degree with a study abroad program, in which they gain firsthand experience of a wide range of cultures and communities. Programs can be found in more than 65 countries, such as Mexico and Finland. [https://goglobal.asu.edu/]

**Career Opportunities**

The shortage of highly qualified physics teachers in every state is an ongoing problem. This concentration is designed to produce more and better-qualified physics teachers to meet local and national needs. Graduates are recommended by the Mary Lou Fulton Teachers College for certification by the State of Arizona.

Graduates of the secondary education concentration have the flexibility to select from jobs in diverse fields. The combination of science and education curriculum provides a range of career choices, such as:

- business
- engineering
- materials science
- secondary education

They can also choose to pursue graduate studies in:

- astronomy
- education
- engineering
- medicine
- physics

**Professional Licensure**

ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure webpage: [https://admission.asu.edu/academics/licensure](https://admission.asu.edu/academics/licensure).

**Contact Information**

[Department of Physics](mailto:Department of Physics | PSF 470)
[physics.undergrad@asu.edu | 480-965-3561](mailto:physics.undergrad@asu.edu | 480-965-3561)