Physics (Secondary Education), BS

LAPHYSEBS

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 they need to enter the secondary school teaching profession as a certified physics teacher or to attend graduate school for physics.

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

Tuition Information

When it comes to paying for college, 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

Students should visit the Change of Major form 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® 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
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. A study abroad program can
enhance their physics degree by providing them with firsthand experience of various cultures and communities.

Each of the more than 300 Global Education program options provide students with the opportunity for personal enrichment and to develop a valuable skill set that can give them an advantage in their career. Whether in a foreign country, in the U.S. or online, students are encouraged to build communication skills, challenged to adapt and persevere, exposed to differences across the world, and they increase their ability to work with diverse groups of people.

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.

Contact Information