Secondary Education (Physics), BAE

EDPHYBAE

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

Prepare to teach physics to learners in grades 6-12. Coursework paired with internships and residencies will allow you to obtain teacher certification after graduation and start a career in a high-demand specialty in education.

Program Description

The BAE in secondary education with a concentration in physics prepares students to educate learners in grades 6-12. Aligned with strong content knowledge of physics, this program also focuses on integrating technology into teaching and provides the professional experience needed to develop teaching skills that lead to success in the classroom.

Extensive professional experiences are built into this program to prepare students to enter the teaching profession after graduation. Graduates will complete internships prior to a full-time teaching residency. Mary Lou Fulton Teachers College has developed a distinctive approach to teacher-preparation, which includes student participation in internships and residencies while receiving guidance and support from faculty members and highly qualified certified teachers. Professional experiences are designed to prepare graduates to work with mutually supportive colleagues to address the academic and social-emotional needs of learners.

Graduates from this program earn a bachelor's degree in their content area and will receive an institutional recommendation from ASU that the Arizona Department of Education recognizes for the state's Secondary Education, 6-12 teacher certification. To be eligible for secondary certification in Arizona, students must also earn a passing score on the professional knowledge exam offered through the National Evaluation Series or Arizona Educator Proficiency Assessments.
At a Glance

- **College/School:** Mary Lou Fulton Teachers College
- **Location:** Polytechnic, Tempe, West
- **Additional Program Fee:** No
- **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**
Science educators can experience physical sciences outside of the classroom through the hands-on experience of a study abroad program. Beyond opportunities for personal enrichment, students explore climate change, engineering, and the intersection of humanities and science, developing a valuable skill set that can give them an advantage in their education career.

Through participation in one of the more than 300 Global Education programs, whether in a foreign country, in the U.S. or online, students are encouraged to build communication skills, challenged to adapt and persevere, and exposed to differences in education systems across the world, and they increase their ability to work with diverse groups of people.

**Career Opportunities**

Graduates of Mary Lou Fulton Teachers College are highly sought-after teachers in public, charter and private education institutions. The demand for well prepared secondary teachers is strong, particularly in the areas of math and science. Job opportunities in a fast-growing state such as Arizona are numerous.

**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**

[Division of Teacher Preparation](mailto:ED 118)
[ASUeducation@asu.edu](mailto:480-965-9995)