Physics (Secondary Education), BS

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

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 --- and 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. Students who graduate from this program are recommended by the Mary Lou Fulton Teachers College for certification by the State of Arizona.

At a Glance

- **College/School:** The College of Liberal Arts and Sciences
- **Location:** Tempe campus

- **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)

2019 - 2020 Major Map
Major Map (Archives)

Admission Requirements
General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman | Transfer | International | Readmission

Change of Major Requirements

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors for information about how to change a major to this program.

Transfer Options

ASU is committed to helping you thrive by offering tools that allow you to personalize your transfer path to ASU. Students may use the Transfer Map search 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 help students save time and money in their college journey. Learn more about these programs by visiting the Admissions site.

Global Opportunities

PLuS Alliance

Global Experience

With over 250 programs in more than 65 countries (ranging from one week to one year), study abroad is possible for all ASU students wishing to gain global skills and knowledge in preparation for a 21st-century career. Students earn ASU credit for completed courses, while staying on track for graduation, and may apply financial aid and scholarships toward program costs. https://mystudyabroad.asu.edu/

Global Degree

Career Opportunities
Graduates of the secondary education concentration have the flexibility to select from jobs in diverse fields. The combination of a bachelor's degree in physics and a bachelor's degree in education provides a range of career choices, such as:

- business
- finance
- industry
- secondary education
- technology

Students can also choose to pursue graduate studies in physics or education.

Career examples include but are not limited to those shown in the following list. Advanced degrees or certifications may be required for academic or clinical positions.

<table>
<thead>
<tr>
<th>Career</th>
<th>*Growth</th>
<th>*Median Salary</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health Sciences Manager</td>
<td>9.9%</td>
<td>$118,970</td>
</tr>
<tr>
<td>High School Teacher</td>
<td>7.5%</td>
<td>$59,170</td>
</tr>
<tr>
<td>Instructional Specialist</td>
<td>10.5%</td>
<td>$63,750</td>
</tr>
<tr>
<td>Physicist</td>
<td>14.5%</td>
<td>$118,830</td>
</tr>
<tr>
<td>School Principal</td>
<td>7.9%</td>
<td>$94,390</td>
</tr>
</tbody>
</table>

* 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 🌿 Green Occupation

**Contact Information**

Department of Physics | PSF 470
physics.undergrad@asu.edu | 480-965-3561