Physics (Secondary Education), BS

LAPHYSEBS

In addition to gaining a solid foundation in physical science and mathematics, you 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.

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.

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)

[2020 - 2021 Major Map](#)  
[Major Map (Archives)](#)
Admission Requirements

General University Admission Requirements:

All students are required to meet general university admission requirements.

Transfer Options

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search to outline a list of recommended courses to take prior to transfer.

Global Opportunities

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/
Career Opportunities

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

Students can also choose to pursue graduate studies in:

- astronomy
- education
- engineering
- medicine
- physics

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>Computer Programmer</td>
<td></td>
<td>$82,240</td>
</tr>
<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>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>
<tr>
<td>Scientist/Biochemist</td>
<td>11.5%</td>
<td>$91,190</td>
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<tr>
<td>Software Engineer</td>
<td>30.7%</td>
<td>$101,790</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    ⑵ Green Occupation

Contact Information