Physics, BA

Learn how the universe works at a deep and fundamental level. The BA program in physics combines innovative learning methods with time-tested classroom and laboratory experiences for an education that is thorough in physics training but flexible enough to encourage interdisciplinary opportunities in areas such as chemistry, biology and materials science.

Program Description

Physics is concerned with the nature, structure and interactions of matter and radiation. The BA program in physics provides a flexible and efficient option for students who are interested in a liberal arts degree with broad knowledge of physics. This degree program also is ideal for students seeking to complete two degrees, with physics as the second degree. Students wishing to pursue a graduate degree in physics are advised to consider the BS in physics.

At a Glance

- **College/School:** College of Liberal Arts and Sciences
- **Location:** Tempe campus
- **Additional Program Fee:** Yes
- **Second Language Requirement:** Yes
- **First Required Math Course:** MAT 270 - Calculus w/Analytic Geometry I.
- **Math Intensity:** Substantial

Required Courses (Major Map)

2018 - 2019 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 Agreements

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Students should select their current institution to see if there is a partnership agreement between the institution and ASU for this degree program. Students who do not see their state or institution listed should check back as ASU is always working on creating new partnerships.

<table>
<thead>
<tr>
<th>Transfer from a Maricopa Community College in Arizona</th>
<th>Transfer from an Arizona Community College</th>
<th>Transfer from another state</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select a college</td>
<td>Select a college</td>
<td>Select a state</td>
</tr>
<tr>
<td>• Chandler-Gilbert Community College</td>
<td>• Arizona Western College</td>
<td>• California</td>
</tr>
<tr>
<td>• Estrella Mountain Community College</td>
<td>• Central Arizona College</td>
<td>• Illinois</td>
</tr>
<tr>
<td>• GateWay Community College</td>
<td>• Cochise College</td>
<td>• Washington</td>
</tr>
<tr>
<td>• Glendale Community College</td>
<td>• Coconino Community College</td>
<td>• Another state</td>
</tr>
<tr>
<td>• Mesa Community College</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
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

Students graduating with a BA degree in physics may pursue such careers as:

- health physicist
- lawyer
- medical doctor*
- patent attorney
- physical therapist
- radiation physicist
- research or lab assistant
- science policy analyst
- secondary science teacher
- technology support analyst

*requires additional premedical coursework
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>Agricultural Production Manager</td>
<td>9.7%</td>
<td>$48,090</td>
</tr>
<tr>
<td>Engineering Manager</td>
<td>5.5%</td>
<td>$137,720</td>
</tr>
<tr>
<td>Environmental Specialist</td>
<td>12.1%</td>
<td>$45,490</td>
</tr>
<tr>
<td>Health Sciences Manager</td>
<td>9.9%</td>
<td>$118,970</td>
</tr>
<tr>
<td>Healthcare Professor</td>
<td>25.9%</td>
<td>$97,870</td>
</tr>
<tr>
<td>Validation Engineer</td>
<td>6.4%</td>
<td>$97,250</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