Physics, BA

Learn how the universe works at a deep and fundamental level. A BA 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.

At a Glance

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

2019 - 2020 Major Map (On-campus)
2019 - 2020 Major Map (Online)
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://changingmajors.asu.edu/request for information about how to change a major to this program.

Attend Online

ASU offers this program in an online format with multiple enrollment sessions throughout the year.

Applicants may view the program description and request more information here.

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.

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. Students may learn more about these programs by visiting the admission site: https://admission.asu.edu/transfer/pathway-programs.

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 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>
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<tr>
<td>Health Sciences Manager</td>
<td>9.9%</td>
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<tr>
<td>Healthcare Professor</td>
<td>25.9%</td>
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<tr>
<td>High School Teacher</td>
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<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

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