Biophysics, BS

The biophysics major is ideal for students who like quantitative sciences, but also have a passion for understanding life. During training, you'll be exposed not only to novel learning methods and laboratory experiences, but can also participate in real biophysics research, working directly with faculty in the field.

Program Description

Biophysics uses the methods and theories of physics to study biological systems. The BS in biophysics is a transdisciplinary program, providing students with a working understanding of the important principles of physics, chemistry and biology that govern all scales of biological organization, from the molecular processes of life to organisms and ecosystems.

At a Glance

- **College/School:** 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
The broad range of applicability of the principles of biophysics gives great flexibility in a choice of career or further education including, but not limited to:

- chemical industries
- engineering
- government
- health care
- physics research
- teaching and other areas

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>Clinical Trial Manager</td>
<td>9.9%</td>
<td>$118,970</td>
</tr>
<tr>
<td>Medical Lab Technician</td>
<td>14.0%</td>
<td>not available</td>
</tr>
<tr>
<td>Medical Scientist</td>
<td>13.4%</td>
<td>$82,090</td>
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<tr>
<td>Nuclear Medicine Physician</td>
<td>11.4%</td>
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<tr>
<td>Physicist</td>
<td>14.5%</td>
<td>$118,830</td>
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<tr>
<td>Scientist/Biochemist</td>
<td>11.5%</td>
<td>$91,190</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