Arizona State University (Polytechnic Campus)

Applied Physics, BS

Study details

Course type: Bachelor's degree
Degree: Applied Physics, BS LSAPHYBS
Study mode: Full time
Duration: 48 Month

Cost of study

Cost : 35 430 USD
Reg. fee : 85 USD
Scolarship :
Insurance : 2 765 USD

Intake/s

Jan/May/Aug

Requirements

Academic requirements

First-year students must:

- Have a 3.00 grade point average (GPA) (a "B" or better where "A"=4.00) from a secondary school. Some ASU programs may have higher admission or English proficiency requirements and may consider a minimum ACT or SAT score.
- Must have three years of high school coursework. (If you are currently in high school, ASU needs to see 9–11 grade coursework. If you have completed high school, ASU needs to see 10–12 grade coursework.)
- Must have and present a completed high school diploma or certificate.

Conditional admission

ASU may offer conditional undergraduate admission to international applicants to an on-campus program who meet the academic (aptitude) requirements but who are not proficient in English. This offer of conditional admission will give you time to improve your English proficiency before you start classes at ASU. Your conditional admission offer is good for up to three semesters, during which time you must meet one of these requirements to begin your ASU experience.

Competency requirements

International students who completed high school outside the U.S. are required to meet the following competency requirements:

- Math: four years (algebra I, geometry, algebra II and one course requiring algebra II as a prerequisite).

- Laboratory science: three years total (one year each from any of the following areas are accepted: biology, chemistry, earth science, integrated sciences and physics).

Provide evidence of English language proficiency (TOEFL 61)

Accommodation

Provided by partner agencies

Speciality
STEM-OPT for international students on F-1 visas

This program may be eligible for an Optional Practical Training extension for up to 24 months. This OPT work authorization period may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension at ASU's International Students and Scholars Center website.

The OPT extension only applies to students on an F-1 visa and does not apply to students completing a degree through ASU Online.

Additional information

Program description

By pairing fundamental physics with practical applications, the BS program in applied physics serves students who have a wide range of interests, from engineering applications to research in fundamental physics. The degree program combines physics, computer science and applied mathematics to tackle complex problems in physics, material sciences, engineering, chemistry and related fields.

This degree program is delivered by dedicated faculty with expertise in modeling of physical systems, materials science, modern numerical techniques and fundamental physics. Given the importance of hands-on experience, the degree program offers rigorous courses and elements of project-based research.

The growing presence of high-tech companies in the metro Phoenix area, including the East Valley, presents a unique opportunity for students to establish connections with industry.

Concurrent program options

Students pursuing concurrent degrees (also known as a “double major”) earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

Global opportunities

Global experience

By studying abroad, students majoring in applied physics gain valuable hands-on experience tailored to their unique interests and skill sets, personal enrichment, heightened cultural competency, and

leadership and critical thinking skills that will be an advantage in their careers.

With more than 300 Global Education programs available, whether in a foreign country, in the U.S. or online, students build communication skills, are challenged to adapt and persevere, are exposed to differences across the world, and increase their ability to work with diverse groups of people.

Career opportunities

Graduates apply their knowledge in high-performance and scientific computing, biophysics, condensed matter physics, chemistry, material science, electrodynamics and radar physics. This knowledge is vital for employment in chemical and pharmaceutical companies, environmental management agencies and firms specializing in scientific software. Graduates are also prepared to continue their studies in graduate programs in physics and chemistry.