



Arizona State University (West Valley Campus)

Applied Computing (Cybersecurity), BS

Study details

Course type: Bachelor's degree

Degree: Applied Computing (Cybersecurity), BS ASACOCBS

Study mode: Full time

Duration: 48 Month

Cost of study

Cost : 35 430 USD

Reg. fee : 85 USD

Scholarship :

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

Additional information

Program description

The innovative cybersecurity concentration builds upon the BS degree program in applied computing.

Students acquire the technical knowledge of how to secure networks and applications; an understanding of cybersecurity governance models and risk management fundamentals; methods of communicating complex risk issues; and solutions for the challenges of implementing cybersecurity controls within various organizational models. Leadership, critical thinking and effective communication are also emphasized.

Students gain experience with authentic cybersecurity organizations, protecting digital assets against compromise or theft.

The cybersecurity concentration prepares students for a continuing and progressive career in cybersecurity.

This major is eligible for the Western Undergraduate Exchange program at the following location: West Valley campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees.

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

Students gain valuable experience when studying abroad, experience which enhances their resumes. With more than 300 programs available, Global Education programs allow students to tailor their experience to their unique interests and skill sets. Students focusing on cybersecurity are able to gain hands-on experience in programs in a variety of countries around the world. In a competitive field, graduates stand out with the heightened cultural competency, leadership and critical thinking skills they acquired when studying abroad.

Career opportunities

This is an ideal degree for students interested in careers in cybersecurity. Opportunities are available both in the private sector and within governmental agencies (e.g., the FBI, U.S. Department of Homeland Security, the National Security Agency and the Department of Defense).

Graduates of the applied computing program with a concentration in cybersecurity are well prepared for graduate study as well as entry-level employment with businesses, nonprofits, government agencies and academic institutions. Cybersecurity-focused positions include:

- chief information security officer
- cyber risk analyst
- information security engineer
- network security engineer
- security operations center analyst