Arizona State University (Downtown Phoenix campus)

Biomedical Informatics, BS

Study details

Course type: Bachelor's degree
Degree: Biomedical Informatics, BS ESBMIBS
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).

78a Vazha Pshavela Ave, Tbilisi, Georgia
Phone: +995 322 96 11 22
Mobile: +995 596 96 11 22

info@sach.ge
www.sach.ge
Study Abroad Consultant Hub © 2025

- 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

Biomedical informatics is a multidisciplinary field that involves the generation, acquisition, management and analysis of biomedical and health data, and the translation of that data into information and knowledge that can be applied toward improving individual and population health.

Students learn approaches to:

- acquiring data
- data management
- knowledge representation
- modeling and machine learning

Students have the opportunity to conduct research alongside faculty who are experts in bioinformatics, imaging informatics, sensor informatics, artificial intelligence, clinical informatics and population health informatics.

Graduates of the program have a broad set of biomedical informatics knowledge and skills, enabling them to contribute to many areas of health and biomedicine in their future work.

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.

Accelerated program options

78a Vazha Pshavela Ave, Tbilisi, Georgia
Phone: +995 322 96 11 22
Mobile: +995 596 96 11 22

info@sach.ge
www.sach.ge
Study Abroad Consultant Hub © 2025

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with:

- Biomedical Informatics and Data Science, MS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program.

Global opportunities
Global experience

Students gain valuable experience when studying abroad --- experience that 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 in biomedical informatics are able to expand their knowledge of how health care systems impact society in a variety of cultures, and they experience new and unique information science and technology environments across the globe.

Career opportunities

Graduates with a degree in the rapidly expanding field of biomedical informatics are prepared for careers in a wide range of settings.

They are employed in positions such as:

- bioinformatics scientist
- data science analyst
- health care data engineer
- machine learning engineer
- public health informatics scientist

Those with interests in life sciences and technology may see this program as a unique way to combine the two. Others may use this degree as the first step toward medical school, advanced medical research, or graduate-level study in biomedical informatics.

78a Vazha Pshavela Ave, Tbilisi, Georgia
Phone: +995 322 96 11 22
Mobile: +995 596 96 11 22

info@sach.ge
www.sach.ge
Study Abroad Consultant Hub © 2025