



Arizona State University (Tempe campus)

Applied Mathematics for the Life and Social Sciences, BS

Study details

Course type: Bachelor's degree

Degree: Applied Mathematics for the Life and Social Sciences, BS LAAMLBS

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

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

The BS in applied mathematics for the life and social sciences is unlike any other math program. It offers a novel approach to investigating, integrating and solving problems in the physical, life and social sciences in such topics as mass violence, contagion, wildlife-human interactions and the transmission of behaviors through influence.

Degree-seekers in this program are immersed in the use of mathematical theory, modeling and computational methods while collaborating with and contributing to diverse fields such as anthropology, global health and environmental social science.

The insights and skills gained allow graduates to confidently create accurate, versatile and practical answers desperately needed in order to improve or remedy contemporary issues.

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

With more than 300 Global Education program opportunities available, applied mathematics for the life and social sciences students are able to tailor their experience to their specific interests and skill sets. Whether in a foreign country, in the U.S. or online, students build communication skills, learn to

adapt and persevere, and are exposed to research and internships across the world, increasing their professional network.

Students also may participate in a School of Sustainability study abroad program. More information is available on the College of Global Futures study abroad website.

Career opportunities

Graduates of the program possess the quantitative, scientific and analytical skills that are critical for professionals working in the environmental, life, health, mathematical and social science fields. Nationally recognized experts ensure graduates are well equipped for prestigious career paths in government, medicine, technology, security or other fields requiring rigorous data analysis, with an insight into human behavior.

The need for scientists and professionals quantitatively trained in the life and social sciences is strong in Arizona and the nation. This program's applied use of mathematics, modeling, statistics and simulation methodologies are in high demand and provide excellent training for future academics and professionals in industries including:

- bioinformatics
- computational sciences
- ecology
- genomics
- data mining
- mathematical analysis
- mathematical epidemiology
- nonlinear dynamics
- population dynamics
- social science