



Arizona State University (Tempe campus)

Microbiology (Medical Microbiology), BS

Study details

Course type: Bachelor's degree

Degree: Microbiology (Medical Microbiology), BS LAMICMBS

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 program in microbiology with a concentration in medical microbiology is tailored for students who wish to pursue careers in medicine, other health professions, medical microbiology or biomedical research.

Curriculum aligns with the broad scientific competencies recommended for premedical students. Program participants will delve into microbiology, chemistry, biochemistry, math and physics, cell biology, animal physiology, and human biology and society, making them well versed in the core concepts, competencies and critical intellectual skills necessary for the MCAT and medical school admission.

Students gain hands-on experience with world-renowned faculty, with opportunities to engage in independent research projects or internships.

This program is available as an accelerated degree program.

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

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:

- Biology, MS
- Computational Life Sciences, MS
- Global Management, MGM
- Microbiology, 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. Those pursuing a medical microbiology concentration are able to expand their knowledge of how human biology is impacted by a variety of societies and cultures, and they challenge themselves to adapt and persevere in a new and exciting culture.

With more than 300 programs available, study abroad allows students to tailor their experience to their unique interests and skill sets, and gain experience that enhances their resumes.

Career opportunities

The medical microbiology concentration within the microbiology major provides students with a mastery of the competencies and prerequisite requirements valued by graduate programs in medical, dental and optometry fields, as well as other programs that prepare students to become physician assistants or physical therapists.

The Bachelor of Science degree program also prepares students with an understanding of the process of science and knowledge of foundational concepts in biological sciences, chemistry, physics and statistics, and the ability to understand and apply core microbiology concepts. This groundwork prepares students for direct entry into biology research careers in a vast number of areas, including cellular biology, immunology, bacteriology and virology.