Biology, BS

ASLSCBS

With interactive and interdisciplinary experiences, including opportunities to conduct hands-on research on cancer and Alzheimer's disease, you will gain invaluable insights on how life and physical sciences intersect in the real world.

Program description

The BS program in biology with an emphasis in the natural sciences examines these disciplines through experiential learning. By learning in an integrative environment that emphasizes the connectedness of the life sciences, students gain a better understanding of larger scientific concepts from multiple perspectives.

All the program's core courses include laboratories.

Students are encouraged to conduct independent research under the mentorship of faculty members or during internships. Some even publish in top journals and present their results at scientific meetings.

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. Students should click the link for more information and eligibility requirements of the WUE program.

At a glance

- **College/School:** New College of Interdisciplinary Arts and Sciences
- **Location:** West Valley WUE , ASU at Lake Havasu

- **Second language requirement:** No
- **First required math course:** MAT 210 - Brief Calculus
  or MAT 251 Calculus for Life Sciences
- **Math intensity:** Moderate

Required courses (Major Map)

2024 - 2025 Major Map
Major Map (Archives)

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:

Biological 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. Interested students can learn about eligibility requirements and how to apply.

Admission requirements

General university admission requirements:
All students are required to meet general university admission requirements.
First-year | Transfer | International | Readmission

Tuition information

When it comes to paying for higher education, everyone's situation is different. Students can learn about ASU tuition and financial aid options to find out which will work best for them.

Change of Major Requirements

A current ASU student has no additional requirements for changing majors.

Students should visit the Change of Major form for information about how to change a major to this program.

Transfer options

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® to outline a list of recommended courses to take prior to

transfer.

ASU has [transfer partnerships](#) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

Global opportunities

Global experience
Students studying biology have a wide range of opportunities they can pursue. With more than 300 programs available, study abroad allows students to tailor their educational experience to their specific interests and skill sets. Students can expand their knowledge of how science impacts society through a variety of cultures and can develop global skills and knowledge to prepare them to lead in their career.

More information can be found on the [Global Education Office](#) website.

Career opportunities

This program prepares graduates for a wide range of careers by offering course and laboratory work and quantitative research opportunities that develop fundamental problem-solving, critical thinking, writing and communication skills. Graduates may enter careers in:

- business
- laboratory or field research
- medicine
- publishing
- scientific journalism
- teaching

Undergraduate laboratory experience, both on and off campus, enhances employability as a laboratory technician or research associate in university and government research laboratories; in hospital and diagnostic laboratories; and in pharmaceutical, biotechnology, agricultural and food processing companies.

Students engaged in field studies are prepared for entry-level positions in private companies and state and federal agencies, such as wildlife biologist, environmental consultant or conservation officer. They are also prepared for graduate or doctoral programs in human or veterinary medicine, pharmacy, dentistry or scientific research.

Example job titles and salaries listed below are not necessarily entry level, and students should take into consideration how years of experience and geographical location may affect pay scales. Some jobs also may require advanced degrees, certifications or state-specific licensure.

Career	*Growth	*Median salary
Biological Scientist (General)	3.9%	$87,300
Climate Change Analyst ☀	6.1%	$76,480
Health Sciences Manager ☀	4.8%	$144,440
High School Teacher	1.0%	$62,360
Life Scientist ☀	5.2%	$83,930
Medical Scientist ☀	9.8%	$99,930
Molecular Biologist	3.9%	$87,300
Pharmacist	2.6%	$132,750
Scientist/Biochemist ☀	6.7%	$103,810
Veterinarian (Vet) ☀	19.7%	$103,260

☀ Bright Outlook

Contact information

School of Mathematical and Natural Sciences | FAB N101
mnsadvising@asu.edu | 602-543-3000