

Applied Biological Sciences (Preveterinary Medicine), BS

LSABSPMBS

Get ready to follow your passion for veterinary medicine and animal health by first establishing a strong scientific foundation. Graduates have praised this program for its motivated students, small class sizes and supportive professors dedicated to your success.

Program description

The purpose of the concentration in preveterinary medicine in the BS program in applied biological sciences is to prepare undergraduate students for the pursuit of an advanced degree in veterinary medicine.

The concentration curriculum emphasizes a solid foundation in biology, chemistry, physics, animal science and mathematics while offering specialized courses in veterinary medicine and opportunities for placement in internships in the field.

Students in this program contextualize knowledge through experience-based learning activities, including:

- case studies
- faculty-guided research and service-learning projects
- field trips
- internships
- laboratory activities

This major is eligible for the Western Undergraduate Exchange program at the following location: Polytechnic 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:** [College of Integrative Sciences and Arts](#)
- **Location:** [Polytechnic WUE](#) or [Online, ASU Local](#)
- **Second language requirement:** No
- **First required math course:** MAT 251 - Calculus for Life Sciences
- **Math intensity:** Moderate 

Required courses (Major Map)

[2024 - 2025 Major Map \(on-campus\)](#)

[2024 - 2025 Major Map \(online\)](#)

[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:

[Applied Biological Sciences, 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.

Attend online

ASU Online

ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may [view the program's ASU Online page](#) for program descriptions and to request more information.

ASU Local

It is now possible to earn an ASU degree with [ASU Local](#), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

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

With more than 300 [Global Education program opportunities](#) available, preveterinary medicine students are able to tailor their experience to their unique 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.

Career opportunities

Career opportunities for graduates of this program may include entry into professional programs in veterinary medicine and animal health, including:

- animal biology research
- domestic and wild animal care
- education
- small- and large-animal veterinary medicine
- wildlife veterinary medicine

This program can also lead to animal-focused careers outside of veterinary medicine at state game and fish departments, zoos, animal shelters and animal nonprofit organizations.

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
<u>Certified Veterinary Technician (CVT)</u> ☀	20.5%	\$38,240
<u>Dog Trainer</u> ☀	16.0%	\$35,620
<u>Fish and Wildlife Biologist</u>	3.0%	\$67,430
<u>Laboratory Technologist</u> ☀	4.9%	\$57,380
<u>Veterinarian (Vet)</u> ☀	19.7%	\$103,260
<u>Zoologist</u> ☀	5.7%	\$69,390

* Data obtained from the Occupational Information Network (O*NET) under sponsorship of the U.S. Department of Labor/Employment and Training Administration (USDOL/ETA).

☀ Bright Outlook

Contact information

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