

# Biological Sciences (Neurobiology, Physiology and Behavior), BS

LABSCABS

Are you fascinated by animal behavior? Are you interested in making scientific discoveries at the laboratory bench and in the field? Dive in and build the strong foundation you need to launch your career in neuroscience, health care, veterinary medicine or biomedical research.

## Program description

In the BS program in biological sciences with a concentration in neurobiology, physiology and behavior, students discover how animals --- including humans --- function, think and behave.

Students investigate molecular and cellular processes and the function of organismal systems, including neural, muscular, cardiovascular, respiratory, renal and digestive. They explore ecological and evolutionary influences and biomedical implications in order to develop a holistic understanding of animal function.


In addition to coursework, students gain hands-on experience with world-renowned faculty, with opportunities to engage in independent research projects and internships.

This program is available as an [accelerated degree program](#).

In addition to the guidelines in the Concurrent Program Options section below, students interested in pursuing concurrent or second baccalaureate degrees in The College of Liberal Arts and Sciences are advised to visit [The College's website](#) for more information and requirements.

## At a glance

- **College/School:** [The College of Liberal Arts and Sciences](#)
- **Location:** [Tempe](#)

- **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](#)

[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:

[Biology \(Biology and Society\), MS](#)

[Biology, MS](#)

[Computational Life Sciences, MS](#)

[Global Management \(Creative Industries and Design Thinking\), MGM](#)

[Global Management \(Digital Audience Strategy\), MGM](#)

[Global Management \(Global Affairs\), MGM](#)

[Global Management \(Global Business\), MGM](#)

[Global Management \(Global Development and Innovation\), MGM](#)

[Global Management \(Global Digital Transformation\), MGM](#)

[Global Management \(Global Entrepreneurship\), MGM](#)

[Global Management \(Global Health Care Delivery\), MGM](#)

[Global Management \(Global Legal Studies\), MGM](#)

[Global Management \(Nonprofit Leadership and Management\), MGM](#)

[Global Management \(Public Administration\), MGM](#)

[Global Management \(Public Policy\), MGM](#)

[Global Management \(Sustainability Solutions\), MGM](#)

[Global Management \(Sustainable Tourism\), MGM](#)

[Global Management, MGM](#)

[Microbiology, MS](#)

[Molecular and Cellular Biology, 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.

## Program learning outcomes

Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

- Demonstrate capacity for scientific thinking by applying relevant background knowledge to analyze and/or develop scientific explanations.
- Effectively communicate complex scientific concepts, ideas, and reasoning with appropriate use of relevant sources and evidence.
- Demonstrate preparedness for graduate/professional degree programs and/or employment.

## Global opportunities

### Global experience

Through study abroad programs, whether in a foreign country, in the U.S. or online, students studying biological sciences experience distinct biological environments and gain an understanding of worldwide differences in the human condition. They are able to be exposed to a variety of laws, policies and practices in biology-centric environments worldwide and expand their knowledge of how science impacts society.

With more than 300 options available, [Global Education programs](#) allow students to tailor their experience to their specific interests and skill sets, and they are able to engage in community service and outreach, which can help their graduate and professional program applications stand out.

The College of Liberal Arts and Sciences recommends [these programs for students majoring in neurobiology, physiology and behavior](#).

## Career opportunities

The neurobiology, physiology and behavior concentration within the biological sciences major provides students with critical thinking skills and a solid platform for advanced research, graduate study and other professional programs, including endocrinology, environmental or behavioral physiology, human physiology, metabolism, neurobiology and social behavior.

The Bachelor of Science degree program also prepares students with an understanding of the process of science, knowledge of foundational concepts in biological sciences, chemistry, physics and statistics, and the ability to understand and apply core biomedical concepts. This groundwork prepares students for direct entry into technical positions in hospitals; government laboratories and agencies; research institutes; and food, dairy, chemical, pharmaceutical and biotech industries.

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
<a href="#">Biological Sciences Professor</a> 🌟	8.6%	\$81,650

<b><u>Family Practice Medical Doctor (FP MD)</u></b>	3.7%	\$211,300
<b><u>Fish and Wildlife Biologist</u></b>	3.0%	\$67,430
<b><u>Genetic Counselor</u></b> ☀	16.1%	\$89,990
<b><u>High School Teacher</u></b>	1.0%	\$62,360
<b><u>Neurologist</u></b>	3.2%	\$224,260
<b><u>Physical Therapist (PT)</u></b> ☀	15.1%	\$97,720
<b><u>Physician Assistant (PA)</u></b> ☀	26.5%	\$126,010
<b><u>Veterinarian (Vet)</u></b> ☀	19.7%	\$103,260
<b><u>Zoologist</u></b> ☀	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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