



# School of Life Sciences

## Fact sheet

Natural sciences



## Our future starts with **innovation.**

The School of Life Sciences is transforming science education and collaborative research at every level. We are training the next generation of innovators in the life sciences by offering access to interdisciplinary centers, institutes and cutting-edge faculty labs.

**10** undergraduate degrees

**15** graduate degrees

**5,390** undergraduate students

**383** graduate students

## Cultivating an inclusive environment

Our school includes traditional and non-traditional students, both on-campus and online, who represent a diverse socioeconomic background. Of the more than 4,500 undergraduates pursuing a life sciences degree, 40% are Pell Grant eligible and 30% are the first in their families to attend a university.

**95**

tenured and tenure track faculty

**36:1**

students-to-faculty ratio

**45%**

racial and ethnic diversity in the school

**113**

faculty members

**9,728**

students taking life sciences courses

# Leading global impact and innovative solutions

We are leading an exciting change in higher education to make learning more accessible and impactful through individualized and adaptive learning, both on-campus and online. Now, students can experience lab work in virtual reality and gain experience in nationally recognized research programs such as NEON.

## **World's first adaptive-learning biology degree**

Our school is moving away from mass production to mass personalization. We are rebuilding our undergraduate biology degree program in a new adaptive-learning platform called BioSpine. Now, we're connecting the right student to the right lesson. We're changing the structure of higher education from static to dynamic.



## **Creating a national biorepository**

The ASU Natural History Collections at the School of Life Sciences has been chosen by the National Ecological Observatory Network (NEON) to house a national biorepository for the next 30 years. Biological samples from 81 field sites across the U.S. will be curated and made available to the greater scientific community.



## **First virtual reality biology labs**

Through an innovative partnership with ASU Online, Google, and Labster, our general biology students are using virtual-reality headsets to complete their lab requirements. This new technology is available for both online and on-campus students.



# School of Life Sciences degree programs

## Undergraduate

- Biological Sciences\*  
Concentrations:  
Biomedical Sciences\*  
Biology and Society\*  
Conservation Biology and Ecology\*  
Genetics, Cell and Developmental Biology  
Neurobiology, Physiology and Behavior
- Microbiology BS  
Concentration:  
Medical Microbiology
- Molecular Biosciences and Biotechnology BS
- Neuroscience BS (Concurrent)

\* On-campus and online

## Minors and certificates

- Biological Sciences (Minor)
- History and Philosophy of Science (Certificate)
- Evolutionary Medicine (Certificate)
- Computational Life Sciences (Certificate)

## Graduate

- Animal Behavior PhD
- Biology PhD, MS, Accelerated BS/MS
- Biology and Society (Biology concentration) PhD, MS, Accelerated BS/MS
- Computational Life Sciences (Certificate)
- Environmental Communication and Leadership (Certificate)
- Environmental Life Sciences PhD
- Evolutionary Biology PhD
- History and Philosophy of Science PhD
- Microbiology MS, PhD
- Molecular and Cellular Biology MS, PhD, Accelerated BS/MS
- Neuroscience PhD
- Plant Biology and Conservation MS
- Scientific Teaching in Higher Education (Certificate)

## Philanthropy fuels possibilities

When you invest in the School of Life Sciences, you are contributing to the causes you care most about. From cancer, new vaccines and childhood diseases, to conservation, climate change and ecological research, your gifts support both ongoing research, as well as future research and up-and-coming scientists who will be working to solve the world's most pressing issues.

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“Our undergraduate and graduate students are counting on generous donors like you to help them achieve their goals of graduating with a degree from the ASU School of Life Sciences. Your support will help them gain hands-on experience in the lab or field, and develop important research skills they'll need for graduate school and in today's workforce.”

—Kenro Kusumi, Director and Professor  
ASU School of Life Sciences



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