



Our “master key” unlocks career doors in the biological sciences.

The biological sciences encompass numerous cutting-edge disciplines. Each offers a multitude of exciting career paths. The Department of Biological Sciences mirrors this complexity and offers students many options for realizing their dreams.

Prepare for a career in one of a dozen specialties in biology or microbiology, or pursue the growing field of exercise physiology. You can also train to teach biology in secondary or primary schools. You can prepare for graduate study, for admission to medical, dental, or veterinary school, or for other professional training. If you're interested in pursuing medicine, veterinary medicine, optometry, podiatry, pharmacy, or careers in any other health profession, our Office of Biomedical Professions will advise you.

You'll receive plenty of personal attention from faculty—in the classroom, in research laboratories, and in our Biology Advisement Center. Numerous undergraduate research opportunities involve you in the process and application of science. And our location on the Colorado Plateau offers high quality of life with many excellent destinations for field projects and recreation.

Our graduates have exceptional placement rates in medical schools, government agencies, and graduate programs. Whatever path you take after graduation, you will be ready to succeed.

Degree Programs

- **Bachelor of Science in Biology**
Emphases in behavior, botany, cellular and molecular biology, ecology, evolution, fish and wildlife, general biology, physiology, pre-health professions, or zoology
- **Bachelor of Science in Microbiology**
Emphases in applied and environmental microbiology, or biomedical microbiology
- **Bachelor of Science in Exercise Science**
- **Bachelor of Science in Secondary Education, Biology**
- **Bachelor of Arts or Bachelor of Science in Interdisciplinary Studies, Biology**
- **Minor in Biology**
- **Minor in Microbiology**
- **Minor in Biology Secondary Education**

All bachelor's degree paths are extended majors

“While attending NAU, I had the opportunity to become involved in microbiological research. As a result of this opportunity, I discovered a faculty mentor who stood by me throughout my undergraduate education and application to medical school. I believe that my research experience and my mentor’s unflinching support were major components in my acceptance into one of my top choice medical school programs.”

Marni Mishler, Class of 2007

Career Opportunities

Study to become a . . .

Wildlife biologist
Crime lab analyst
Conservation scientist
Research technician
Assistant or associate scientist
Bioinformatics professional
Pharmaceutical sales representative
Environmental microbiologist
Science educator

Begin your career in . . .

Medical corporations
Biological testing laboratories
Pharmaceutical companies
State or federal government agencies
Agricultural chemical companies

Explore Courses that Jump-start Your Career

Take a close look at micro-threats

Our course in **Infectious Disease** covers the dangers presented by contagious microorganisms. Study the way a host organism responds to infection, and the challenges that lie ahead for humans in dealing with serious emerging diseases.

Where the wild things are

In our **Wildlife Management** course you will survey concepts and practices for the study and management of terrestrial wild animals. Topics include values, habitat requirements, movements, behavior, and dynamics of wildlife populations and the techniques used to ensure their continued survival.

See the big picture

The nature of the living world's countless interconnections is the focus in our basic course in **Ecology**. You'll be introduced to ecological principles, including the distribution and abundance of organisms, population dynamics, community organization, energy flow, and nutrient cycling.

Experience the Work World

Make professional contacts, build your resume, and gain know-how in the workplace through hands-on education. Students have previously interned and conducted research with the Arizona Game and Fish Department, U.S. Forest Service, Minority Student Development Program, the Undergraduate Mentoring in Environmental Biology Program, the Avian Cognition Laboratory, the Colorado Plateau Stable Isotope Facility, Colorado Plateau Museum of Arthropod Diversity, the Deaver Herbarium, the Merriam-Powell Center for Environmental Research, and various health care facilities and organizations.

Study Abroad

Study for a summer, a semester, or an academic year in universities around the globe. We provide international education opportunities to all academically qualified students. The university has cooperative agreements with institutions in Australia, Canada, Costa Rica, France, Germany, Ghana, Guatemala, Ireland, Malta, New Zealand, Norway, Scotland, and the United Kingdom. Start your travel planning with a visit to nau.edu/international or by contacting one of our many faculty who conduct research projects in exotic locales!

Participate!

Make friends with fellow plant lovers in the university's **Botany Club**. Help maintain the teaching collection of live plants, and propagate plants for sale in annual fundraisers. Members make field trips to visit special greenhouse collections, talk to experts, and acquire plants for the teaching greenhouse.

Interested in birds and beasts? Become a student member of **The Wildlife Society**, a national organization of wildlife professionals. The university chapter hosts guest speakers and plans recreational outings. You'll make friends and professional contacts, and find opportunities for research and community service.

If you are interested in a career in the health professions, check out **Club Med** at NAU. We expose members to various areas of the medical field, mainly through guest speakers and field trips.

Several other pre-professional organizations offer opportunities to connect with students in your field. The **Pre-Pharmacy Club** promotes knowledge and interest in pharmacy. The **Pre-Vet Club**, for future veterinarians and other animal lovers, works to help animals through volunteerism. In the **Exercise Science Club** you'll find career guidance, coursework assistance, volunteer opportunities, and new friends.

Beta Beta Beta (Tri-beta) is an academic honor society for biological sciences students, dedicated to the understanding and appreciation of biological study and the growth of knowledge through research. Members perform service projects, plan social events, and conduct fundraisers.

Finish in Four

Stay on a four-year track to your degree and save money in the process. The university guarantees that you will have the courses you'll need to graduate on time. It's your responsibility to talk to an advisor early. Eligible degree programs: all bachelor's degree paths except the BIS program.

