

# Bachelor of Science in Biology

**Learn the secrets of life**





## Want to Become a Biologist?

If you are interested in life and living things, a bachelor's degree in biology at AUS is a great way to start your professional career.

Our program offers you the chance to study a variety of disciplines including medical sciences, neuroscience, microbiology, genetics, cell/molecular biology, marine sciences, ecology, evolution and more, giving you a solid foundation of knowledge and practical experience.

Our department is equipped with advanced laboratory facilities, which means you will have access to the most modern scientific equipment, giving you the practical experience you need to excel in your chosen field. This hands-on approach to education is what sets AUS apart, taking our students from traditional classroom instruction to innovative laboratory experiments, field trips, independent study and senior research projects.

As you work under the guidance of our dedicated and highly qualified faculty, you will benefit from their mentorship and advice on your coursework and future career options.



## What Can You Do with a Biology Degree?

Graduates with a biology degree are highly sought-after professionals with a wide range of career options, including:

- medicine and medicine-related professions
- medical laboratory technology
- public health
- science education and teaching
- further graduate studies
- research
- pharmaceutical industry
- governmental agencies
- biotechnology
- genetics and biotechnology
- laboratory and field research
- environmental consulting
- veterinary medicine
- sustainable agriculture
- marine aquaculture, fisheries and aquaponics
- wildlife management

“The years we attend university are integral for our development as adults and professionals in our field of choice. American University of Sharjah provides a diverse and complete syllabus for the sciences, exposing students to different areas and allowing them to discover what their specific interests are. Overall, being a biology student at AUS demands hard work and dedication. This academic experience ultimately prepared me for my master's degree in integrative neuroscience at the University of Edinburgh, as well as for currently pursuing a PhD in Neurology at University College London.”

Erika Aguzzi, Bachelor of Science in Biology

## Department of Biology, Chemistry and Environmental Sciences

Our Bachelor of Science in Biology will provide you with a broadly based, rigorous education in a variety of biology areas. These include environmental biology, ecosystems management, environmental protection, species conservation, physiology, microbiology, molecular biology, genetics, health research, immunology and science education.

Our accredited program sets you up to succeed, giving you endless career opportunities in many areas including genetic research laboratories, immunology research, human genetics counseling, agriculture, horticulture, soil science, marine aquaculture, fisheries, forestry, science education and teaching at all levels, scientific journalism, veterinary medicine, drug and biotechnology, ecosystems management, conservation law enforcement, bioinformatics database companies, pharmaceutical sales and production, university and hospital research centers, natural history museums, nature parks and zoological gardens, government wildlife management, centers for disease control, epidemiology, virology, food testing, public health, and medical and blood testing laboratories.

We encourage our students to participate in research under the direction and support of our world-class faculty, and many graduate from AUS having attended international research conferences and having their work published in major research journals and publications.



## Faculty

Our internationally diverse faculty hold the highest qualifications in biology, which means they can provide you with the very best instruction and research to ensure your success as a student at AUS. Our faculty research spans a wide range of topics including understanding the role of nutrition in immune competence, the effectiveness of physical activity interventions on cardiovascular disease and diabetes, how sensory experience contributes to the maturation of brain circuits, and in developing novel ways to detect disease in humans and wildlife (metabolomics).

## Admission Requirements

Formal admission to the program follows AUS' admission requirements. Students transferring into the program must have a cumulative GPA of 2.0 or higher and permission of the Head of the Department of Biology, Chemistry and Environmental Sciences

## Degree Requirements

The Bachelor of Science in Biology program comprises of a minimum of 120 credits:

General education requirements: **44 credits**

Major requirements: **46 credits**

Major electives: **15 credits**

Free electives: **15 credits**





If you want to pursue a degree in biology at AUS, we want to hear from you.  
You can talk to one of our advisors about what you are looking for.

**Contact us today**

**[bio@aus.edu](mailto:bio@aus.edu)**

**[www.aus.edu/biology](http://www.aus.edu/biology)**

**Apply now**

**[www.aus.edu/apply](http://www.aus.edu/apply)**

