

Bachelor of Science in Chemistry and Biochemistry

Make your big discovery



Chemistry is the Basis of Life

A Bachelor of Science in Chemistry and Biochemistry from AUS opens up exciting career opportunities. As science and technology rapidly advance, highly qualified science professionals are a top choice for employers across the world.

With a degree in chemistry and biochemistry, you can join a range of research sectors, take on roles in chemical industries or healthcare, be part of cutting-edge development and more.

Our program will provide you with a strong academic foundation in various fields in chemistry and biochemistry (e.g., organic, inorganic, physical, analytical, instrumental, biophysical, biological and others), and offer you the chance to pursue specialized courses in forensic chemistry, medicinal chemistry, green chemistry, nanotechnology and others.



What Can You Do with a Combined Degree in Chemistry and Biochemistry?

Graduates with a combined degree in chemistry and biochemistry are highly sought-after professionals and can choose from a wide range of industries and fields, including:

- agricultural companies
- chemical distributors
- chemical laboratories
- chemical manufacturing plants
- chemistry consulting firms
- cosmetic companies
- food and beverage companies
- government
- health protection branches
- hospital research laboratories
- industrial laboratories
- mineral and metal industries
- oil companies
- petroleum refineries
- pharmaceutical/biotechnology industries
- pulp and paper industries
- quality control laboratories
- research centers/institutes
- textile manufacturers
- waterworks departments
- police forensics
- food control laboratories
- green chemist
- renewable energies specialist

“ The experience I gained during my time at AUS enabled me to directly start working in the forensic lab at Dubai Police, where I excelled among my peers. I was also able to start my master’s degree in chemistry at the University of Sussex (UK), where I worked on synthesizing and characterizing various drugs for cancer research. The experience that I gained during my senior research gave me the knowledge to be able to do such prestigious work.

I recommend the chemistry and biochemistry program at AUS, as it will offer you a unique experience that will lead you to numerous paths for a successful future.



Lieutenant Mohammad Baqer
General Headquarters of Dubai Police

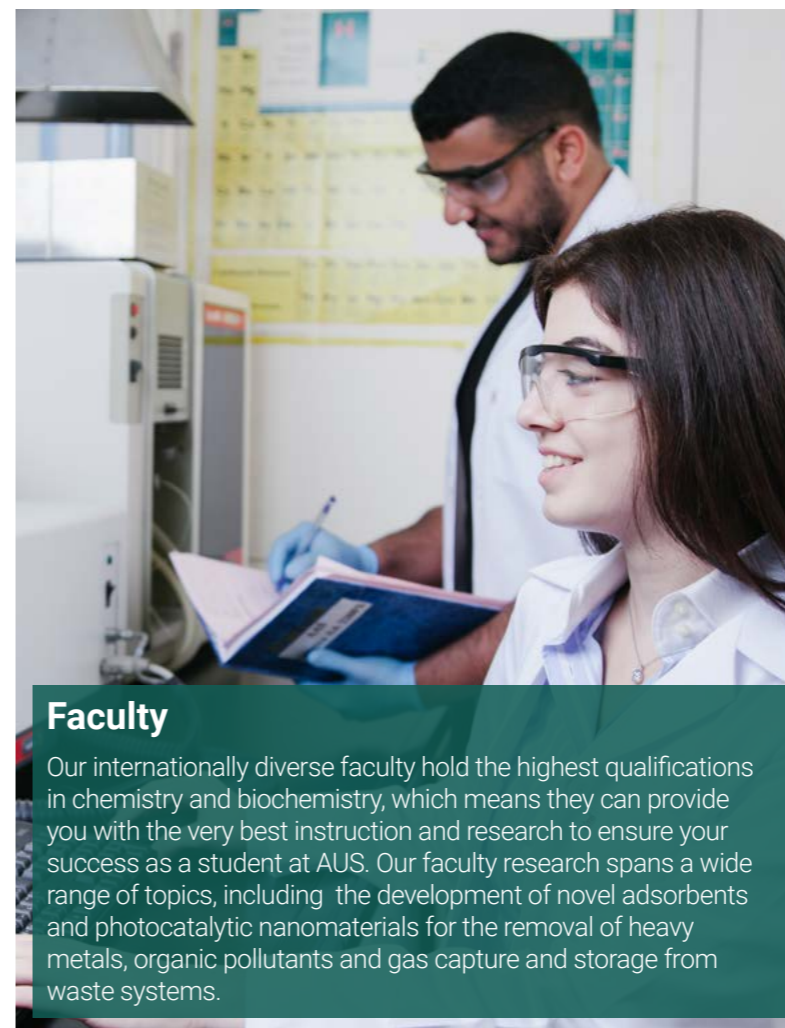
Department of Biology, Chemistry and Environmental Sciences

Our Bachelor of Science in Chemistry and Biochemistry seeks to provide you with technical and problem-solving skills in this exciting and central area of scientific knowledge, preparing you to pursue a career in industry, consulting, teaching and research.

Offering fully accredited American-style education, we will provide you with an integrated knowledge of contemporary principles and applications of chemistry that will prepare you for advanced degrees and careers in teaching, research, industry, education and business. Many AUS graduates have gone on to pursue further study at the world’s top universities and institutions, including Cambridge University, Yale University and Harvard University.

As part of our commitment to provide interactive learning opportunities, our program provides a high-quality, laboratory-rich learning environment where students will learn proper laboratory protocols, plan and conduct experiments in various areas of chemistry and biochemistry, practice the scientific method, analyze data, and reach logical and reasonable conclusions.

AUS students are encouraged to participate in cutting-edge research under the direction of our world-class faculty, and many graduate having their work published in major research journals and publications and attending international research conferences.



Faculty

Our internationally diverse faculty hold the highest qualifications in chemistry and biochemistry, 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 the development of novel adsorbents and photocatalytic nanomaterials for the removal of heavy metals, organic pollutants and gas capture and storage from waste systems.

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 Chemistry and Biochemistry program comprises of a minimum of 122 credits:

General education requirements: **44 credits**

Major requirements: **54 credits**

Major electives: **12 credits**

Free electives: **12 credits**

If you want to pursue a combined degree in chemistry and biochemistry 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

chm@aus.edu

www.aus.edu/chemistry

Apply now

www.aus.edu/apply

