

PhD in

BIOSCIENCES AND BIOENGINEERING



Do you work in biosciences or bioengineering and want to expand your knowledge and reach the very heights of the profession? If yes, then consider the PhD in Biosciences and Bioengineering (PhD-BSBE) from American University of Sharjah (AUS), one of the Middle East's most prestigious universities.

The UAE needs bioscientists and bioengineers at the highest level

Rapid population growth in the Middle East and North Africa over recent decades has seen demand for services such as healthcare, food-security, water and energy increase significantly. With this has come an increased need for highly skilled and knowledgeable bioscientists and bioengineers.

In addition, the UAE government has set ambitious goals that will see its economy transition from being one reliant on oil to instead becoming one based on knowledge. Advancing science and technology throughout the nation will be central to the achievement of these goals, with bioscientists and bioengineers integral to leading the country's ambitions for the healthcare services and life science sectors.

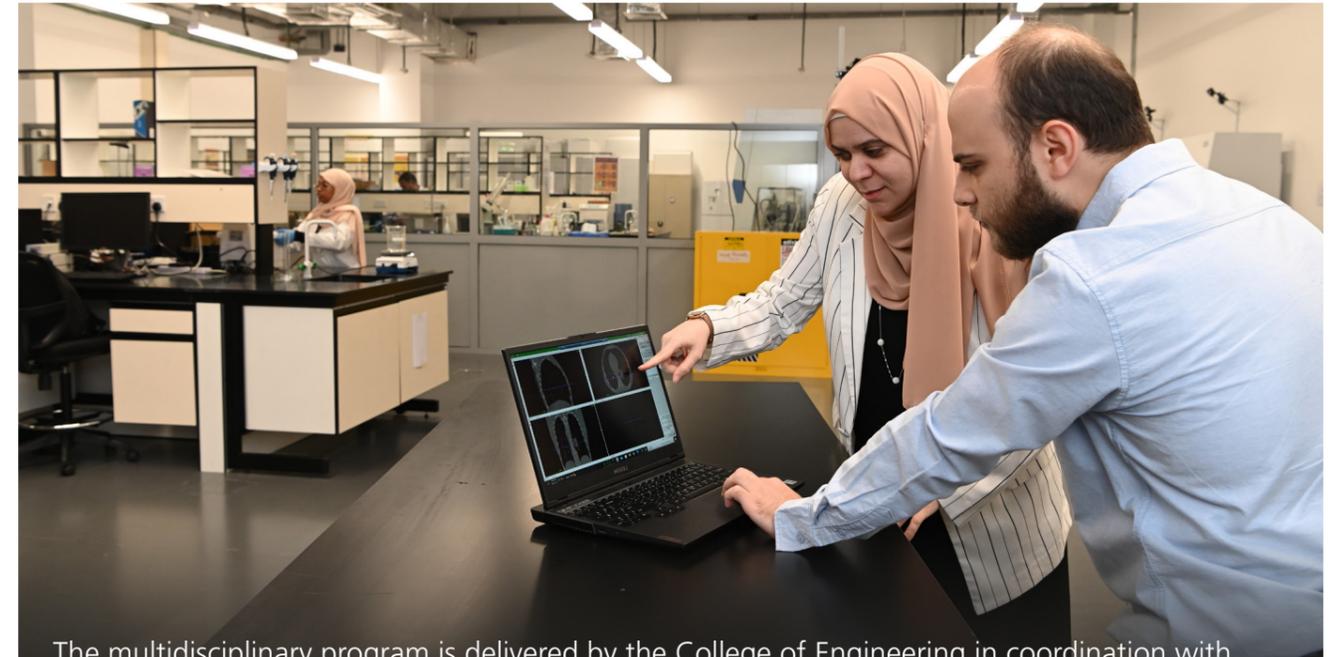


The facts

The PhD-BSBE program at AUS educates future researchers, practitioners, innovators and academics with cutting-edge knowledge, skills and abilities in biosciences and bioengineering that they can utilize in meeting societal needs and shaping the healthcare and biotechnology trends in the UAE, the region and globally.

The PhD-BSBE prepares you to:

- pursue a successful academic, industry and/or government career
- conduct research independently in multidisciplinary areas
- apply technical knowledge for long-term sustainable and economic development



The multidisciplinary program is delivered by the College of Engineering in coordination with the College of Arts and Sciences. PhD-BSBE students will be advised and taught by qualified faculty at the forefront of their fields, who are currently engaged in several research projects in biosensors and implantable devices, biomechanics, cardiovascular disease, cancer, cellular physiology, drug delivery, healthcare management, infectious diseases, inflammation, medical imaging, microfluidics and lab-on-a-chip, neuroscience and neuroengineering.

An extensive number of elective courses are available, allowing you to tailor your program to best meet your interests and career needs.



Why pursue your PhD-BSBE at AUS?

- You will work closely with faculty who are global leaders in the biosciences and bioengineering field, having earned their own PhD at leading universities across the globe and who regularly contribute to internationally respected scientific and medical engineering journals.
- You will have flexibility in undertaking the program, allowing you to honor existing career or family commitments.
- AUS awards competitive full and partial Graduate Assistantships (GAs) to qualified graduate students. In addition, Graduate Research Assistantships provide graduate students opportunities to develop research experience by working with a faculty member on research-related activities. Graduate Teaching Assistantships also provide graduate students with opportunities to gain teaching-related experience through part-time employment in positions such as lab assistants.

By choosing AUS, you can be assured that you are pursuing your PhD at an institution of international repute. Here are just a few examples of AUS' rankings credentials:



Among the top 10 Arab universities by QS Arab Region University Rankings every year for the past eight consecutive years (2023)

Among the world's top 50 universities under the age of 50 years (2021)



Among the top four universities in the UAE and among the top 600 globally for engineering studies (2022)

Among the top 250 universities in Asia (2022)



LEARN MORE

For more information, including admission requirements, course options and faculty profiles, please visit <https://info.aus.edu/phdbsbe>.

To book a meeting with an AUS doctoral admissions advisor, visit <https://aus-gr-inquiries.youcanbook.me/>.

