



BSc in

CHEMICAL ENGINEERING

About the program

By imparting a deep understanding of chemical processes and sustainable technologies, the program equips students to contribute significantly. With innovation and societal responsibility, our graduates contribute to shaping a sustainable and technologically advanced future, ensuring it remains at the forefront of global developments.

The program equips students to design, develop, and operate processes. Through extensive laboratory work and simulations, graduates are prepared for careers in professional practice, process plant design, and research and development. Program addresses contemporary challenges, fostering innovation.

Students gain unparalleled industry collaboration experience through internships and real-world projects. Ongoing research projects and international collaborations expose students to the forefront of chemical engineering. Participation in national and international competitions highlights our program's competitiveness and excellence.

Tracks

H2 and Sustainable Energy: Gain expertise in H2 and sustainable energy technologies, generation, purification, and utilization within renewable energy frameworks, industrialization and implementation.

Water and Environmental: Develop skills for solution to environmental challenges, clean water supply, water treatment and disposal, and pollution control.

Materials: Explore applications in downstream petroleum industries, including polymer and plastic, nanomaterials like carbon and metal oxides.

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WHY KHALIFA UNIVERSITY?



GLOBAL RECOGNITION

Khalifa University stands out as the leading institution in the UAE, with 90 of its faculty members acknowledged among the world's top 2% most-cited scientists in Stanford University's prestigious 2023 listing.



CONSISTENTLY HIGH-RANKED

Ranked top in the UAE, 2nd in the Arab world, and ranked 27th in Asia in Sustainability; and among top 250 in the world



GLOBALLY-ACCREDITED ACADEMIC PROGRAMS

Khalifa University is fully licensed and all its programs are accredited by the Commission for Academic Accreditation (CAA) of the UAE Ministry of Education.



UNIQUE AND DIVERSE RESEARCH

Including energy, water and environment, healthcare, aerospace, cybersecurity, Intelligent Systems, advanced materials, and fundamental science..



WORLD'S SAFEST CITY

Abu Dhabi, the largest emirate in the UAE, remains the world's safest city for the 8th consecutive year in 2024. Experience safety and a cosmopolitan lifestyle that enhances your learning experience, reinforcing its status as a safe and secure place to live, work, study, and invest.



EXPERT GUIDANCE

We are committed to empowering students for success, fostering collaboration in a diverse community led by world-class faculty. Experience personalized guidance and a conducive learning environment with an impressive 11:6 student-to-faculty ratio, ensuring your path to success is well-supported and rewarding.



DYNAMIC CAREER OPPORTUNITIES

Attractive graduate employment opportunities across a wide spectrum of industries with the opportunity to present research projects at major international conferences.