

MSc in

# CHEMICAL ENGINEERING

## About the program

This research-led program provides an in-depth grounding in the various aspects of chemical engineering. The program is delivered by experienced international faculty who are actively engaged in cutting-edge research on food sustainability, energy sustainability, decarbonization and water security. Graduates are expected to apply their technical expertise for critical, creative, ethical, and innovative contribution to society.

The Program offers students unparalleled industry collaboration, providing internships and real-world projects. Cutting-edge laboratories ensure hands-on experience in diverse fields. Ongoing research projects and international collaborations expose students to the forefront of chemical engineering. Career placement services and professional development initiatives support students in securing rewarding positions post-graduation. Student organizations and alumni success stories foster networking and showcase the program's impact.

Sustainability initiatives reflect our commitment to responsible engineering practices. Emerging technologies enhance the learning experience, ensuring students stay ahead. Participation in national and international competitions highlights the program's competitiveness and excellence.

## Optional Concentrations

- Metallurgy Engineering
- Food Process Engineering and Technology

## Graduates of the program will

Find career opportunities in sustainable aviation fuel value chain, decarbonization, blue ammonia, blue and green hydrogen, integrated solar-petrochemical industry, and nuclear engineering.

## Labs

Research facilities in Ruwais and Arzanah buildings at Sas Al Nakhl (SAN) Campus and Masdar Campus including Unit Operations, Reaction, Control, Catalysis, Polymer and Refining Labs.

# 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.