



PhD in CHEMICAL ENGINEERING

About the program

This research-led program, with a wide range of courses and a significant research component, is delivered by experienced international faculty who are actively engaged in cutting-edge research related to food sustainability, energy sustainability, decarbonization and water security. The graduates of this program are expected to apply their technical expertise to address the needs of society in a critical, creative, ethical, and innovative manner.

Courses and research

- Normal PhD mode that is open to applicants with MSc qualification
- Direct PhD mode with an excellent BSc qualification
- A written qualifying examination and research proposal examination is required.

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 and facilities

Unit Operations, Reaction, Control, Catalysis, Polymer and Refining Labs in Ruwais and Arzanah buildings at SAN Campus and Masdar City Campuses and includes



جامعة خليفة
Khalifa University

ku.ac.ae



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.