



MSc in

PETROLEUM ENGINEERING

About the program

This program is a general track degree of Master of Science in Petroleum Engineering, however, students may concentrate on specific subject areas related to the topics they intend to conduct their MSc thesis research work.

The program offers innovative technological advancements required for the exploration, production and management of subsurface energy resources. The program provides graduates with a versatile foundation required to pursue careers in national and international corporations.

Graduates of the Petroleum Engineering programs are among the highest paid engineers, and they are the main contributors to the energy sector and sustainability missions. The program is well-designed in consultation with industry professionals to deliver well-rounded engineers that are capable of serving the Petroleum Engineering community and beyond. The program also includes industry speakers as well as industrial visits to different labs and assets in UAE including NOC, IOC and service providers.

Graduates of the program will

Find careers in mining, geothermal and subsurface energy storage, and energy analysis.

Opportunities in energy sectors as Research Engineers, who conduct experiments, study and analyze data to find solutions to complex reservoir problems. Reservoir Engineers use sophisticated software to estimate, develop and manage the hydrocarbon reserves to achieve maximum recoveries. Production Engineers design, operate and manage surface hydrocarbon facilities and also plan the optimization of the producing wells, while Drilling Engineers design the drilling programs and supervise the drilling operations.

Labs

Core Flooding Systems for EOR studies, Characterization and Simulation labs for high-speed computing and Advanced Rock Mechanics systems.



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.