

BSc in

# PETROLEUM ENGINEERING

## About the program

The program has a modern and well-balanced curriculum that emphasizes petroleum engineering fundamentals and the business processes applied to reach optimal engineering solutions for field development and operations. The course content includes AI/ML applications and assignments, designed to help prepare graduates to launch their careers. Students will develop and establish themselves as competent professional Engineers to support energy sustainability and energy mix.

The program is designed to prepare students to be well equipped with skills and knowledge of basic engineering and science, fundamental understandings of reservoir, well drilling and production operations. The program has modern, state-of-the art classrooms and lab facilities that offer engaging hands-on practical experience. An ADNOC internship is also offered.

The program offers a general degree in Petroleum Engineering and upon joining industry or research, students may specialize in Drilling, Production, and Reservoir.

The program is well-designed in consultation with industry professionals to deliver well-rounded engineers. The program includes industry speakers as well as industrial visits to different labs and assets in the UAE, including the National Oil Company, International Oil Companies, and service providers.

## Graduates of the program will

Find a wide range of career opportunities in the oil, gas and energy sectors with companies such as ADNOC, Exxon-Mobil, Schlumberger, Halliburton, Baker Hughes etc. Available careers also include roles as Reservoir Engineers to study the reservoir characteristics. Drilling Engineers are responsible for production strategies, while Production Engineers plan the optimization of oil and gas wells, design the surface production facilities and manage the overall field production processes.

## Labs

Drilling and Well Control Simulator, Drilling Fluid, Rock Properties, Fluid Properties and Reservoir Simulation.



# 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



## GLOBALY-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.