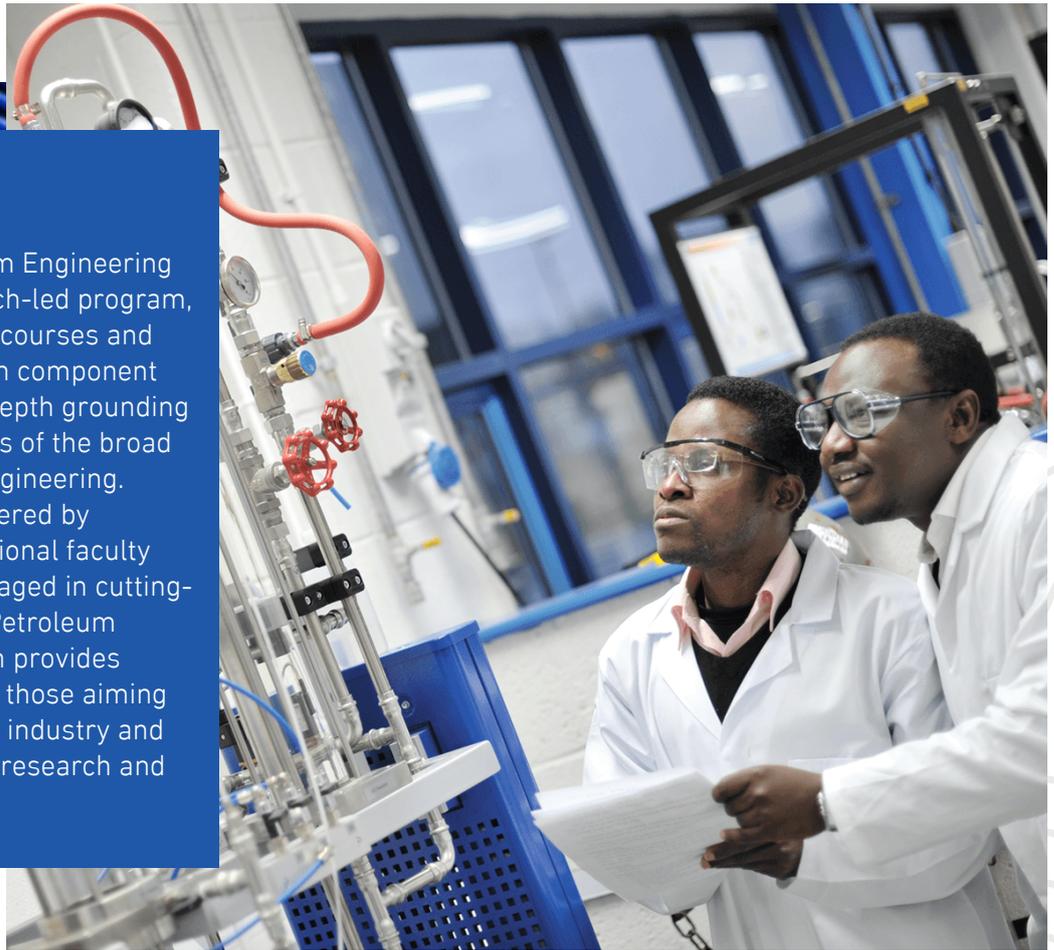


Overview

The MSc in Petroleum Engineering is an exciting research-led program, with a wide range of courses and a significant research component that provides an in-depth grounding in the various aspects of the broad field of petroleum engineering. The program is delivered by experienced international faculty who are actively engaged in cutting-edge research. The Petroleum Engineering program provides excellent training for those aiming to pursue a career in industry and academia as well as research and development.



Content

You will study a set of core courses, as well as elective courses that enable you to deepen your knowledge in specialized areas within the broad field of Petroleum Engineering. You will also have the opportunity to contribute to the process of discovery and knowledge creation through the conduct of original research in state-of-the-art facilities.

The M.Sc. in Petroleum Engineering program will:

1) Provide graduates with an outstanding education and the research skills and knowledge required to further their career aspirations.

2) Prepare graduates to go on for further education in Ph.D. programs.

3) Raise the professional visibility of KUST through publication of scholarly works.

4) Provide the regional and global oil and gas industry with a pool of highly educated personnel who can utilize their in-depth knowledge of petroleum engineering to better develop business opportunities.

5) Advance the technological profile of the UAE, and the regional and global oil and gas industry.

6) Address the needs of society in a critical, creative, ethical, and innovative manner.

Structure & Duration

The MSc in Petroleum Engineering consists of 36 credit hours that include 12 credits of core courses, 12 credits of elective courses and 12 credits of Master's Thesis. Teaching is delivered through a combination of lectures and projects. The courses provide a comprehensive overview of the latest advances in Petroleum engineering.

During the research component of the program, you will have the opportunity to work with experts in the field using state-of-the-art facilities and techniques. The MSc program is typically completed within 2 years for full-time students.

Courses

Typical courses include:

- Advanced Well Test Analysis
- Advanced Drilling Engineering
- Advanced Reservoir Engineering
- Well Performance Evaluation
- Underbalanced Drilling
- Well Stimulation
- Petroleum Reservoir Simulation
- Enhanced Oil Recovery
- Advanced Carbonate Reservoir Characterization
- Well Completions and Workover
- Advanced Petroleum Economics
- Engineering Numerical Methods

Admission Requirements

Applicants must meet the following minimum criteria:

- Completion of a Bachelor's degree in a relevant discipline with a minimum CGPA of 3.0 out of 4.0, or equivalent from a reputable accredited institution.
- A minimum level of English proficiency in the form of either: iBT TOEFL score of 91 or overall academic IELTS score of 6.5.
- A minimum quantitative score of 155 in the general Graduate Record Examination (GRE) i
- A minimum of two referee recommendations (provided via online form).
- Statement of purpose (500-1,000 words).
- Admission interview.

Scholarships

Khalifa University offers Graduate Research / Teaching Assistant (GRTA) scholarships to support qualified international students enrolled in graduate programs. The scholarship provides generous remuneration and benefits that include:

- Full coverage of tuition fees.
- Monthly stipend of AED 8,000 (equivalent to USD \$2,200)
- Free textbooks
- Visa processing costs
- Medical insurance coverage for students under the Khalifa University visa.
- Support to attend international research conferences.

Application & Further Information



ONLINE APPLICATION

<http://www.ku.ac.ae/pages/graduate-admissions>



FURTHER INFORMATION

<http://www.ku.ac.ae/pages/graduate-programs->



ENQUIRIES

pgadmission@ku.ac.ae