



MSc in HEALTH, SAFETY AND ENVIRONMENT ENGINEERING

About the program

The program is tailored for existing engineers aiming to integrate **Health, Safety and Environment Engineering** into their roles, managing risk and adhering to regulations, and engineering graduates aspiring to take on Health Safety and Environment Engineering responsibilities. Graduates possess diverse capabilities, enabling them to devise innovative solutions to challenges.

The program offers: Fire Protection Engineering Concentration, Process Safety Engineering Concentration, and Radiation Protection Engineering Concentration.

Students undertake a major project under the supervision of a faculty member that brings to bear the competencies acquired through the program.

Capstone Project: Students build on and use earlier course information and draw upon their engineering background, experience, and other pertinent resources for the capstone report.

Students also learn to apply suitable research techniques and methodologies as well as data collecting and analysis methods

An interim and a final presentation will be required.

Graduates of the program will

Design and develop innovative solutions to Health and Safety Engineering challenges in occupational settings, specific, but not limited to, process safety, radiation and fire protection.

Manage risk as they devise optimal engineering and operational solutions within the constraints of regulatory mandates and best practices.

Assume the roles of the general HSE engineering practitioner/manager, and/or embedding health and safety in their existing job functions, in leading local and international companies.

Labs

Ergonomics-based Computer-Aided Design, Human Factors, System Visualization, Human Factors Simulator and Production and Manufacturing.

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.