



MSc in MECHANICAL ENGINEERING

About the program

The program provides academic and research expertise in various industries, such as energy and the environment, structures, manufacturing, micro- and nano-technologies, health and biomechanics, as well as industrial automation and the Internet of Things (IoT).

Graduates include outstanding researchers, innovators, entrepreneurs, industrial leaders as well as academic scholars. Their skills develop in areas that include mechanics of solids and fluids, nano-mechanics, thermal sciences, dynamics, automation, controls and mechatronics, manufacturing with additive processes and much more.

Students are taught and supervised by experienced faculty and are expected to demonstrate initiative in their approach and innovation in their work. In addition to successfully completing the course component of the program, students prepare and present a thesis on their chosen area.

Interdisciplinary track

Space Systems and Technology, which focuses on the possibilities for exploration and the applications that contemporary space engineering offers.

Graduates of the program will

Find career opportunities with the UAE Armed Forces and the defense sector, Emirates Global Aluminum, Emirates Steel; Tawazun Group, ADNOC, AMMROC, STRATA, Al Yah Satellite Company (YahSat), MBRSC, Mubadala Petroleum, Dolphin Energy, the National Petroleum Construction Company (NPCC), and the education sector.

Go through rigorous training and research experience to help them pursue their PhD.



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.