



MSc in

# ELECTRICAL AND COMPUTER ENGINEERING

## About the program

The program gives the opportunity to get involved in research related to power, hardware systems and networking, along with the associated software applications and drivers. This expertise is highly required in strategic areas that comprise AI, edge-cloud computing, power systems, and telecommunication. Thus, it serves both the research community and the UAE society various strategic fields (e.g., energy and AI)

The program exposes students to cutting edge hardware and software technologies by continuously reviewing the course contents and providing various elective courses. The program is accredited by the UAE Ministry of Higher Education and Scientific Research.

## Graduates of the program will

Gain opportunities in world-class industries that combine power, hardware and software experiences.

Explore opportunities in ADNOC and other oil-gas companies (e.g., Schlumberger and Baker-Hughes), Etisalat by e& and other telecom companies (e.g., Ericson, GE, and Siemens), Utilities companies (ADWEA, DEWA, and GE), Mubadala Investment Company, Health Engineering, Avionics (Etihad and Emirates), Defense, and transportation companies.

Have additional opportunities to work in the newly established Tawazun Group of companies (e.g., Edge, Halcon, TII) in areas such as artificial intelligence and big data in both the cloud, edge, and IoT platforms,

## Labs

Electronics Systems Laboratory, and Power system and Power electronics Laboratory.



# 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.