BSc in
COMPUTER ENGINEERING

About the program

The program specializes in the design and development of dedicated hardware systems along with the associated software applications and drivers. This expertise is required in strategic areas that comprise intelligent systems, edge-cloud computing, and networking. Thus, it serves society at both the national and international levels in the fields related to energy, robotics, healthcare, space, smart city, and upstream/downstream process industry.

The program offers a wide spectrum of hardware, software, security and networking courses. Accredited by the Accreditation Board for Engineering and Technology, Inc. (ABET) and the UAE Ministry of Higher Education and Scientific Research, the program has been attracting talented local and international students.

Computer engineers are in demand across various industries, including technology companies, telecommunications, healthcare, finance, space, and manufacturing.

Tracks

Software Systems

Graduates of the program will

Find careers in both government and private organizations, especially engineers, who possess combined computer engineering and management skills. This includes 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. With the accelerated advance of intelligent systems and big data in the cloud, edge, and Internet of Things (IoT) platforms, graduates also find opportunities with Tawazun Group of companies (e.g Edge, Halcon, Technology Innovation Institute (TII).

Labs: Analog Electronics & Digital Systems, Microprocessors and Embedded Systems, Computer Networks, Software Engineering, and Communication Systems.

جامعــــة خليفـــة
Khalifa University

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.