BSc in
COMPUTER SCIENCE

About the program

The program's concentrations in AI and cybersecurity, as well as hands-on projects and internships unravel systematic processes. Curriculum unveils the hardware-software connection, opening doors to diverse careers in high-tech, software development, and digital security.

The program offers up-to-date curriculum, highly qualified faculty expertise, research opportunities in specialized centers, internship and industry connections , student projects and competitions, diverse and inclusive environment, state-of-the-art facilities and resources, highly successful and high profile Alumni Club, competitive capstone projects, and vibrant community and networking events.

Tracks

Artificial Intelligence Concentration: Topics Covered are: Data analytics, Introduction to machine learning, Algorithmic Robotics and other AI related electives.

CyberSecurity Concentration: Topics covered are: Introduction to AI/ML for Cybersecurity, Applied Cryptography, Network Security, Digital Forensics, and other Cybersecurity related electives.

Specializations

Artificial Intelligence, cloud computing, data mining, game development, digital security, mobile application development, robotics, S/W development and testing, and web design.

Graduates of the program will

Engage in leading research laboratories dedicated to designing, constructing, and testing diverse computer software models and algorithms. Opportunities abound in high-tech firms within the software development and digital security industries.

Access employment opportunities ranging from software development to AI/data science and cybersecurity.

Diverge into various paths, such as machine learning, artificial intelligence, and cloud solutions. The high demand for these roles is driven by businesses' digital transformation and the widespread impact of technologies such as AI and cloud computing.
Labs: C2PS Research Center: cloud computing, blockchain, 5/6G, AI, and cybersecurity; Computer Vision Lab: visual processing and Security Lab: cybersecurity challenges.

WHY KHALIFA UNIVERSITY?

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.

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.