



جامعة خليفة  
KHALIFA UNIVERSITY

### **Khalifa University Profile:**

Khalifa University of Science, Technology and Research is an independent, non-profit, coeducational institution inaugurated in 2007 as part of an Abu Dhabi Government initiative.

In 2016 Khalifa University was named number one in the UAE according to Times Higher Education and QS World Rankings, it is also one of the top universities in the emerging world and BRICS (Brazil, Russia, India, China and South Africa) by Times Higher Education (THE), placing 49<sup>th</sup> out of 300 institutions worldwide ranked in the THE BRICS & Emerging Economies Rankings 2017, and coming in first in the Arab World ahead of competing institutions. The institution continues to be the youngest institution in the world to be named one of the top 100 universities under the age of 50 by QS, moving up into the top 60 position on the list.

Khalifa University is dedicated to the advancement of learning through teaching and research and to the discovery and application of knowledge. It endeavors to be an internationally recognized research university, with a world class reputation for interdisciplinary teaching and research and a tradition of partnering with leading academic institutions from around the world. The University is modeled around the American system of higher education and is actively developing an international network of partners, faculty members, and research programs to advance regionally relevant research and innovation in the UAE and the region at large.

The Emirate of Abu Dhabi has embarked upon a bold vision to develop a vibrant knowledge economy. With a strong emphasis on science, technology and innovation, Khalifa University aligns its academic offerings, research programs and mission very closely with that economic transformation. The University focuses its efforts around specific strategic sectors of the UAE economy, such as information and communication technology (ICT), aerospace, transport and logistics, energy and the environment, healthcare, and security.

Currently, Khalifa University enrolls over 1800 students studying in several specialized engineering programs, all of which have been accredited by the Ministry of Higher Education, UAE. The University currently provides the following undergraduate programs:

- B.Sc. Aerospace Engineering
- B.Sc. Biomedical Engineering
- B.Sc. Communications Engineering
- B.Sc. Computer Engineering (with optional concentration in Software Systems)
- B.Sc. Electrical and Electronic Engineering (with optional concentration in Power Systems)
- B.Sc. Mechanical Engineering
- B.Sc. Industrial and Systems Engineering

- B.Sc. Civil Engineering
- B.Sc. Chemical Engineering
- B.Sc. in Applied Mathematics and Statistics (optional concentrations in Financial Mathematics/Mathematical Biology)

At the graduate level, the University offers a variety of highly specialized programs. These programs currently include:

- M.A. in International and Civil Security
- M.Sc. in Information Security
- M.Sc. in Nuclear Engineering
- M.Sc. by Research in Engineering (Electrical and Computer)
- M.Sc. in Systems and Engineering Management
- Ph.D. in Engineering (with the option to specialize in Electrical and Computer, Mechanical, Aerospace, Nuclear, Biomedical, or Robotics Engineering)

Khalifa University currently enjoys strong relationships with over 20 national and international partners including industry leaders, multinational entities, government agencies, universities and other institutions. By partnering with these entities, the University seeks to emphasize its commitment to research and development, as well as providing its students and faculty the opportunity to solve applied problems and gain real world experience.

Some of the University's partners include:

- The Georgia Institute of Technology
- The Korea Advanced Institute of Science & Technology (KAIST)
- Texas A&M University, Nuclear Security Science & Policy Institute
- The University of Bristol
- Zayed University
- The Federal Authority for Nuclear Regulation (FANR)
- Abu Dhabi Police General Headquarters
- Mubadala
- Emirates Nuclear Energy Corporations
- Thales
- Etisalat
- British Telecom

The University also runs active research centers. The sponsored activities include Emirates Advanced Network for Research and Education (Ankabut). Khalifa University is taking a leading role in establishing the UAE's National Research and Education Network. Ankabut interconnects academic and research institutions in the UAE and offers next-generation connectivity solutions to other networks around the world.

Another initiative is Etisalat-BT Innovation Center (EBTIC), which is a jointly owned venture between Etisalat, British Telecom and Khalifa University and which is housed on the university's campus. The center is created to enable innovation in the UAE by conducting research and development in next

generation networks with innovative applications and services of direct relevance in the region. Other areas of research include ICT, visual signal analysis and processing, aerospace, semiconductors, robotics, biomedical, nuclear and information security.

Khalifa University is dedicated to providing the Emirate of Abu Dhabi, the UAE, the region and the world with highly qualified engineers, technologists and scientists, capable of making major contributions to the UAE as leaders and innovators of industry and society.

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