

Profile: Khalifa University of Science and Technology

The Khalifa University of Science and Technology (KU) is a research university dedicated to the advancement of learning through teaching and research and the discovery and application of knowledge. Khalifa University strives to be a catalyst to the growth of Abu Dhabi and the UAE's rapidly developing knowledge economy, an education destination of choice, and a global leader among research intensive universities of the 21st century.

The University has identified the following strategic priorities:

- 1) Prepare future leaders to an internationally recognized standard
- 2) Produce world-class research with local relevance and international impact
- 3) Enrich the national economy through innovation and research commercialization

KU is the one university in the UAE with the research and academic programs that address the entire range of strategic, scientific and industrial challenges facing the UAE's knowledge economy transformation and our rapidly evolving world. Its world-class faculty and state-of-the-art research facilities provide an unparalleled learning experience to students from the UAE and abroad. The university brings together the best in science, engineering and medicine in the UAE, to offer specialized degrees that can take promising high school graduates all the way to top-rated doctorate degree holders.

Khalifa University is now a comprehensive research-intensive university with three colleges, three research institutes, 19 research centers, and 36 departments covering a broad range of disciplines in science, engineering, and medicine.

At present, KU offers the following 14 BSc programs, 17 MSc programs, two PhD programs (one of which offers 11 concentrations) and one MD program.

Bachelor's Programs:

1. Bachelor of Science in Aerospace Engineering
2. Bachelor of Science in Biomedical Engineering
3. Bachelor of Science in Chemical Engineering
4. Bachelor of Science in Civil Engineering
5. Bachelor of Science in Computer Science
6. Bachelor of Science in Computer Engineering
 - Software Systems*
7. Bachelor of Science in Electrical Engineering
8. Bachelor of Science in Industrial and Systems Engineering
9. Bachelor of Science in Mechanical Engineering
10. Bachelor of Science in Petroleum Engineering
11. Bachelor of Science in Petroleum Geoscience
 - Petroleum Geophysics*
12. Bachelor of Science in Chemistry

13. Bachelor of Science in Physics
14. Bachelor of Science in Applied Mathematics and Statistics
 - Financial Mathematics*
 - Mathematical Biology*

Master's Programs:

1. Master of Science in Biomedical Engineering
2. Master of Science in Chemical Engineering
3. Master of Science in Civil Infrastructure and Engineering
4. Master of Science in Computer Science
 - Space Systems and Technology*
5. Master of Science in Electrical and Computer Engineering
 - Space Systems and Technology*
6. Master of Science in Engineering Systems and Management
 - Space Systems and Technology*
 - Technology Management, Innovation and Entrepreneurship*
7. Master of Science in Cyber Security
8. Master of Science in Materials Science and Engineering
 - Space Systems and Technology*
9. Master of Science in Mechanical Engineering
 - Space Systems and Technology*
10. Master of Science in Nuclear Engineering
11. Master of Science in Petroleum Engineering
12. Master of Science in Sustainable Critical Infrastructure
13. Master of Science in Water and Environmental Engineering
14. Master of Science in Applied Chemistry
15. Master of Science in Petroleum Geoscience
16. Master of Engineering in Health, Safety and Environmental Engineering
 - Fire Protection Engineering*
 - Process Safety Engineering*
 - Radiation Protection Engineering*
17. Master of Arts in International and Civil Security

PhD Programs

1. PhD in Engineering
 - Aerospace Engineering*
 - Biomedical Engineering*
 - Chemical Engineering*
 - Civil Infrastructure and Environmental Engineering*
 - Electrical and Computer Engineering*
 - Engineering Systems and Management*
 - Material Science and Engineering*
 - Mechanical Engineering*
 - Nuclear Engineering*

- Petroleum Engineering*
 - Robotics*
2. PhD in Petroleum Geoscience

Doctor of Medicine Program

1. MD in Medicine

*Optional concentration/specialization

For more information, please visit: www.ku.ac.ae