

Khalifa University of Science and Technology

Facts at a Glance

Khalifa University Rankings

QS	QS Stars	5 out of 5
	202nd Globally	QS 2025 World University Rankings
	230th Globally	QS 2024 World University Rankings
	15th Overall	QS 2021 Top 50 Under 50
	7th in the Arab Region	QS 2024 Arab Region University Rankings

THE	40th in Asia	THE Asia University Rankings 2024
	27th worldwide	THE Young University Rankings 2024
	45th in Asia	2023 THE Asia University Rankings
	2nd in the Arab Region	THE 2023 Arab University Rankings

Establishment

- February 2017, Abu Dhabi
- Came into existence following the merger of the Petroleum Institute (PI), the Masdar Institute of Science and Technology (MI) and the Khalifa University of Science, Technology and Research (KUSTAR)

Degree Programs (April 2024)

- **15** Bachelor's
- **23** Master's
- **6** Doctor of Philosophy
- **1** Doctor of Medicine

Colleges

Academics are organized under three colleges:

- College of Computing and Mathematical Sciences
- College of Engineering and Physical Sciences
- College of Medicine and Health Sciences

Undergraduate Programs:

COLLEGE OF ENGINEERING AND PHYSICAL SCIENCES

- Bachelor of Science in Aerospace Engineering
- Bachelor of Science in Chemical Engineering
- Bachelor of Science in Civil Engineering
- Bachelor of Science in Electrical Engineering
- Bachelor of Science in Engineering Systems and Management
- Bachelor of Science in Mechanical Engineering
- Bachelor of Science in Petroleum Engineering
- Bachelor of Science in Chemistry
- Bachelor of Science in Physics
- Bachelor of Science in Earth and Planetary Sciences
- COLLEGE OF COMPUTING AND MATHEMATICAL SCIENCES
- Bachelor of Science in Computer Engineering
- Software Systems Concentration
- Bachelor of Science in Computer Science
- Artificial Intelligence Concentration
- Cybersecurity Concentration
- Bachelor of Science in Applied Mathematics, Statistics, and Data Science

COLLEGE OF MEDICINE AND HEALTH SCIENCES

- Bachelor of Science in Biomedical Engineering
- Bachelor of Science in Cell and Molecular Biology

MINORS OFFERED BY KHALIFA UNIVERSITY

- Minor in Artificial Intelligence
- Minor in Biotechnology
- Minor in Energy Transition
- Minor in General Business
- Minor In Mathematics
- Minor in Nuclear Engineering
- Minor in Renewable and Sustainable Energy

Postgraduate Programs

COLLEGE OF ENGINEERING AND PHYSICAL SCIENCES

Master of Science in Aerospace Engineering

- Space Systems and Technology
- Guidance, Navigation, and Control Systems

Master of Science in Chemical Engineering

- Food Process Engineering and Technology
- Metallurgical Engineering

Master of Science in Civil and Infrastructural Engineering

Master of Science in Electrical and Computer Engineering

Master of Science in Engineering Systems and Management

- Technology Management, Innovation and Entrepreneurship
- Complex Systems Acquisition and Management

Master of Science in Health Systems Management

Master of Science in Materials Science and Engineering

- Space Systems and Technology
- Metallurgical Engineering

Master of Science in Mechanical Engineering

- Space Systems and Technology

Master of Science in Nuclear Engineering

Master of Science in Petroleum Engineering

Master of Science in Water and Environmental Engineering

Master of Engineering in Health, Safety and Environmental Engineering

Master of Science in Applied Chemistry

Master of Science in Medical Physics

Master of Science in Petroleum Geosciences

Doctor of Philosophy in Engineering

- Aerospace Engineering
- Chemical Engineering
- Civil Infrastructure and Environmental Engineering
- Electrical and Computer Engineering
- Engineering Systems and Management
- Material Science and Engineering
- Mechanical Engineering
- Nuclear Engineering (offered to UAE and Saudi Nationals only)
- Petroleum Engineering
- Robotics

Doctor of Philosophy in Chemistry

Doctor of Philosophy in Earth Sciences

Doctor of Philosophy in Physics

COLLEGE OF COMPUTING AND MATHEMATICAL SCIENCES

Master of Science in Computational Data Science

- Computational Systems
- Data Analytics

Master of Science in Computer Science

- Artificial Intelligence

Master of Science in Electrical and Computer Engineering

Master of Science in Applied Mathematics

Doctor of Philosophy in Engineering

- Electrical and Computer Engineering

Doctor of Philosophy in Mathematics

COLLEGE OF MEDICINE AND HEALTH SCIENCES

Master of Science in Biomedical Engineering

Master of Science in Molecular Life Sciences

Doctor of Philosophy in Engineering

- Biomedical Engineering

Doctor of Philosophy in Molecular Life Sciences

PhD in Biomedical Sciences

PhD in Public Health

Faculty (Spring 2024)

- 381 faculty from 55 countries
- Student to faculty ratio: 10.8

Students (Spring 2024)

- Total number of students: 4,099
- Total number of nationalities: 70
- Percentage of females: 55%

Research

7 Key Research Themes split across vertical industries and horizontal platforms

228 laboratories with state-of-the-art equipment.

12 research centers exploring the sectors and challenges of critical importance to the UAE's

Energy (Power & Fuels)

Advanced Power and Energy Center (APEC)

Virtual Research Institute for Sustainable Energy Production, Storage, and Utilization (VRI)

Emirates Nuclear Technology Center (ENTC)

Research and Innovation Center on CO₂ and Hydrogen (RICH)

Sustainable Bioenergy Research Consortium (SBRC)

Water & Environment

Center for Membranes and Advanced Water Technology (CMAT)

Health

Healthcare Engineering Innovation Center (HEIC)

Khalifa University Center for Biotechnology (BTC)

Aerospace

Khalifa University Space Technology and Innovation Center (KUSTIC)

Space and Planetary Science Center (SPSC)

Advanced Research and Innovation Center (ARIC)

Advanced Material & Manufacturing

Advanced Research and Innovation Center (ARIC)

Center for Catalysis and Separations (CeCaS)

Advanced Materials Chemistry Center (AMCC)

Research & Innovation Center for Graphene & 2D Materials (RIC-2D)

Intelligent & Secure Digital Systems

KU Center for Cyber-Physical Systems (C2PS)

KU Center for Autonomous Robotic Systems (KUCARS)

Emirates ICT Innovation Center (EBTIC)

Library Resources

- **4 complete libraries, including 36** study rooms; **226** public access computers
- **100,000+** print books
- **445,000+** e-books
- **60,000+** e-journals

- 350 online databases