



MSc in

## MEDICAL PHYSICS

### About the program

The program covers all the medical physics core requirements according to the International Atomic Energy Agency (IAEA) guidelines for graduate programs in medical physics. The core courses include radiological physics and radiation protection, physics of diagnostic imaging, non-ionizing radiation imaging, physics of radiotherapy, physics of nuclear medicine, physiological systems, radiation biology, and research methods and ethics.

### Graduates of the program will

Find careers as clinical medical physicists in hospitals in the areas of radiation therapy, diagnostic imaging, nuclear medicine, and radiation protection. Opportunity to work with the medical devices and services industry, medical and nuclear research and development institutions, government agencies, and academic institutions.

### Labs

KU medical physics lab, in local hospital facilities, and at the Federal Authority of Nuclear Regulation (FANR) Secondary Standards Dosimetry Laboratories.



# 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.