

PhD in

EARTH SCIENCES

About the program

In the current global landscape, there is a demand for experts in Earth Sciences to address the repercussions of climate change on humanity. For example, the injection of gasses like carbon dioxide and methane, pivotal greenhouse gasses. Specialized studies are vital for identifying optimal geological sites for initiatives that safeguard the Earth for future generations. Additionally, the examination of groundwater is needed for preserving water resources and ensuring water security.

Faculty and students conduct research in localities within the UAE as well as in the UK, South Africa, Australia, the US, Europe, and Argentina.

The program supports internationally-relevant advancements in Earth Sciences, producing highly skilled science professionals.

Courses and research

Mining, geoengineering, modern climate and paleoclimate research and courses, planetary exploration, earth resources.

Graduates of the program will

Pursue opportunities across various industries, including energy (oil, gas), mining, environmental sciences, space sciences, planetary studies, climate science, sea-level rise studies, geophysics (such as seismic and natural disaster studies), paleontology, museums, geological chemistry, and their applications.

Labs

Computer labs, scanning electron microscopy, petrographic microscopy laboratory and geophysical equipment storage and testing laboratory in addition to climate and environmental labs.

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.