

BSc in

EARTH AND PLANETARY SCIENCES

About the program

The program prepares students to pursue careers in geology, geophysics, planetary and atmospheric science. It improves both the employability of UAE Nationals and meets the high demand for skilled graduates to manage the environment and natural resources that are the backbone of the UAE's economy. The study of planetary geology, remote sensing, and astronomy, also provides the necessary skill set to participate in the continuous development of the UAE space sector.

Specializations

- Geology
- Geophysics
- Planetary Geology
- Environmental and Atmospheric science
- Planetary science
- Petroleum geoscience

Graduates of the program will

Find career opportunities in Education, Tourism, Environment: Teaching, Research, Administration, University research institutes or laboratories, the UAE Ministry of Culture and Knowledge Development, the UAE Ministry of Climate Change and Environment, National Center of Meteorology, Abu Dhabi Department of Municipalities and Transport.

Can explore opportunities in energy sector consulting firms, equipment suppliers, government agencies (the UAE Ministry of Energy and Industry), independent drilling companies, petroleum industry (oil and gas exploration, production, storage, and waste disposal facilities).

Can find jobs in the material/minerals sector construction firms, consulting firms, federal government agencies, mining companies, quarries, railroad companies, well services and drilling companies, as well as in landscape, aviation, aerospace and defense: federal government agencies, environmental protection agency, federal land and marine authority, ministry of defense, civil defense, municipality, police, in addition to astrogeology and space sciences: the UAE Space Agency, Mohammed Bin Rashid Space Center.

Labs: Microscopy and fluid, Scanning electron microscopy, Sedimentology, Thin sections and core preparation, Geochemistry and stable isotopes. Geophysics and computational lab.

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.