جامعة خليفة
Khalifa University

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PhD in

CIVIL AND ENVIRONMENTAL ENGINEERING

About the program

The program addresses the environmentally sustainable planning, design, construction and operation of engineering structures and processes which make up our built environment and define civilization.

The program lays the foundation for all core Civil and Environmental Engineering streams including structures and geotechnics, hydraulics and water, transportation and planning, construction & project management, environmental sustainability and climate change. Principles of science and engineering are applied to address diverse Civil and Environmental engineering challenges in well-designed course sequences, ensuring that students gain practical hands-on and problem-based learning experiences, in preparation for a successful career in the most thriving private and public engineering sectors.

Graduates of the program will

Play a pivotal role in achieving carbon neutrality by pioneering solutions to pollution, aging structures, automation in construction, traffic congestion, resilience to natural hazards and climate change, and environmental development.

Work with diverse private employers including structural and geotechnical engineering consultancies, construction management and contractor firms, transportation planning and consulting companies, and environmental engineering consultants.

In the public sector, civil and environmental engineers serve in all the governmental and local technical engineering agencies and authorities which, decide, authorize, and overlook the planning, construction, and maintenance of public engineering works and processes (e.g. buildings, roads, bridges, airports, ports, highways, public transportation systems, power plants, water supply, wastewater treatment, solid waste management facilities, energy and environmental infrastructure etc.) as well as regulating the design and construction of private civil engineering works to the design codes of practice.

Collaborate with other engineers and architects, while occasionally conducting on-site inspections.

Lab : Asphalt, Bituminous and Concrete Material Labs, Environmental Engineering, Geotechnical and Soil Mechanics, Hydrology and Hydraulics, Structural Computing and Testing, and Transportation and a Geographic Information System (GIS) Lab.

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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.