



## PhD in PHYSICS

### About the program

The program supports the Abu Dhabi Economic Vision 2030 plan through the provision of internationally excellent education and student experience in Physics.

This PhD produces graduates who can conduct independent research in Physical sciences at the highest levels of originality and quality. It provides robust and diverse curricula that give students in-depth, up-to-date knowledge at an advanced, state-of-the-art level and the necessary professional skills and competence to plan, direct, conduct, and interpret scientific research.

The program promotes knowledge acquisition and fosters independent learning, problem-solving skills and responsibility. Various educational methodologies include lectures, team-based learning sessions, self-study, and projects.

Physics PhD holders are highly valued for their analytical and problem-solving skills and ability to think critically and apply quantitative reasoning to complex problems. Their mathematical modeling and data analysis expertise makes them valuable in various industries.

### Graduates of the program will

Find careers as professors or researchers.  
Be required in advanced materials, optics, electronics, energy, aerospace, telecommunications, finance, and data science.

Assume roles as research scientists, data analysts, engineers, or managers, depending on their area of expertise.





# 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



## GLOBALY-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.