جامعة خليفة
Khalifa University

KU WINTER SCHOOL IN CHEMISTRY AND PHYSICS

Step into the world of physics — where imagination meets discovery!
From the tiniest particles to powerful lasers and life-changing medical technologies, explore how physics explains the universe and empowers innovation. Get ready to think bigger, experiment boldly, and see how far physics can take you!

Physics Research Areas

Optics and Photonics

- Unique THz lab @UAE

Particle Physics

- ATLAS Collaboration @CERN
- Physics Beyond the Standard Model and Higgs Studies

Material Physics

- 2D Materials & Graphene Systems
- Applied Quantum Materials Lab
- Electron Microscopy

Medical Physics & Biophysics

- Unique imaging system @UAE

Astrophysics / Astroparticle Physics

- Large-Scale International Collaborations for Neutrino and Radio Astronomy
- Cosmic Ray Modeling and Software Development including Machine Learning Techniques
- Planetary Atmospheres, including Emirates Mars Mission Collaborations

With cutting-edge laboratories and world-class research opportunities, the Department of Physics at Khalifa University offers an inspiring environment for students to explore the fundamental forces of nature and their real-world applications.

Scan Here to view Physics Program