



Master of Science in the field of **PHYSICS**

Incubating talent pool of well-versed cadres in physics



The Programme

- 1-year full-time
- An innovative and well-designed MSc programme that prepares quality physicists for the high-technology workplace
- Provides a flexible yet solid education on **theories, techniques and frontier developments** in physics including:
 - ▶ astrophysics ▶ computational physics ▶ condensed matter physics
 - ▶ device and nanophysics ▶ photonics and quantum information
- Strengthens students' background to cope with ever-evolving challenges
- Prepares graduates to pursue another master or doctoral degree in a wide range of science or engineering disciplines



Host
Department of Physics



Admissions Requirements

- A Bachelor's degree with Honours or above (equivalent qualification) in a relevant Science subject (e.g. Physics, Astronomy, Earth Sciences, Mathematics) or an Engineering discipline
- Prior knowledge in university-level electromagnetism, quantum mechanics and thermodynamics, university-level linear algebra and multi-variable calculus, basic statistics, and some computer programming experience (e.g. coding in C++, Mathematica, Matlab or Python)
- Shall pass a qualifying examination if deemed necessary
- Fulfil the University Entrance Requirements



Application Deadlines

Non-local applicants: 12:00 noon (GMT +8), April 28, 2023
Local applicants: 12:00 noon (GMT +8), June 30, 2023



Online Application
admissions.hku.hk/tpg/

Programme Details
bit.ly/3s6F9Q9



Apply for entry in September 2023



Enquiries

Tel: (852) 2859 2361
E-mail: mscopy@hku.hk

Programme Director Professor X D CUI

Co-Programme Director Dr Kai Ming LEE