DEPARTMENT OF MATERIALS SCIENCE AND ENGINEERING

The ONLY Materials Science and Engineering Department in Hong Kong
Our Major

Bachelor of Engineering in Materials Science and Engineering
The role of materials in our society is much more influential than most of us have realized. Our lives would be endangered by storms in the absence of dependable concrete and steel structures. Our visual defects cannot be easily corrected without glass and high refractive index scratch resistance polymers. The launching of satellites and space shuttles would not be possible without heat-resistant materials and semiconductors. Our comfortable lives are intimately associated with the discovery, selection and processing of natural and synthetic materials. Materials Engineering deals with the advancement in our understanding and manipulation of materials, which is always the forerunner to the progression of technology.

What is Materials Science and Engineering?

- Physics
- Biology
- Chemistry
- Engineering

Materials Innovation
(Design & Process)

Professional Recognition

The Materials Science and Engineering major is the first and currently the only Materials Engineering degree in Hong Kong accredited by the Hong Kong Institution of Engineers (HKIE).

Our Minor

- Materials Science and Engineering

For further details about our programme structure and other information, please visit our website: http://www.cityu.edu.hk/mse
Our Graduates

Professional Careers
Materials Science and Engineering Graduates
♦ Materials Engineers
♦ Quality Control Engineers
♦ Production Engineers
♦ Laboratory Managers
♦ Research & Development Engineers
♦ Engineering Sales Managers for high-ended equipment and sophisticated materials
♦ Specialists in electronics, plastics, metals, ceramics and construction industries

Employers
ASM Assembly Automation Ltd
ASM Pacific Technology
Blue Ocean Innovation Limited
Bright Future Pharmaceutical Laboratory Ltd
Build King Construction Limited
Building Diagnostic Consultants Ltd
Cathay Pacific Services Limited
Chi Instrumentation Ltd
Core Tech
Cyber World Forwarder
Hang Seng Bank Limited
Health Care
Herald Metal & Plastic Works Ltd
Hong Kong Aircraft Engineering Company Limited
Hong Kong Aviation Ground Services Limited
Intertek Testing Services Hong Kong Ltd
Jinchat Engineering Co Ltd
Kent’s Construction & Engineering Company
La Prairie Hong Kong Ltd
Modern Terminals Limited
Nano and Advanced Materials Institute Limited

Innovative Learning Experience

Study Tour
Tohoku University, Japan
Tsukuba (Science City), Japan

Student Exchange and Internship
University of Oxford, Oxford
Brunel University, London

Student Activities
Discovery-Enriched Projects - Mosquito Killer Bin
Discovery-Enriched Projects - Water Cubic Purifier
Young Persons’ Lecture Competition 2018 (Hong Kong Heat) 2nd runner-up, Miss LAW Po In
**Admission Routes**

- **HKDSE Students**
  - JUPAS
  - Non-HKDSE Students
    - Direct Application (Non-JUPAS)

- **BEng-Materials Science and Engineering (Year 1)**
  - Gateway Education Courses
  - College/Department Core Course

- **13-year School-leaving Qualification Holders** (e.g. IB Diploma, GCEAL)
- **Associate Degree/Higher Diploma Holders**

- **Admission with Advanced Standing**
  - Depending on the qualification, students will be admitted to Year 2 or 3 of the 4-year curriculum
  - Non-JUPAS Code: 1640A
    - BEng – Materials Science and Engineering

- **Admission Requirements**
  - Satisfy the Minimum Entrance Requirements of the University with a Science or Engineering background; OR
  - Associate Degree or Higher Diploma Holder in a relevant discipline or other technical qualifications; OR
  - 13-year School-leaving Qualification Holder (e.g. IB Diploma, GCEAL)

For further details of entrance requirements and application procedure, please visit the website of our Admission Office: [http://www.admo.cityu.edu.hk/](http://www.admo.cityu.edu.hk/)