DEPARTMENT OF MATERIALS SCIENCE AND ENGINEERING

The ONLY Materials Science and Engineering Department in Hong Kong
The role of engineering materials in our society is much more important than most of us have realized. Our lives would be endangered by storms in the absence of concrete and steel. Our visual defects cannot be easily corrected without glass or plastics. The launching of satellites and space shuttles would not be possible without heat-resistant materials and semiconductors. The comfort and convenience of modern life are intimately associated with the discovery, manipulation and selection of natural and synthetic materials. Advancement in materials science and engineering has led to better understanding and manipulation of materials, which is a prerequisite for future technological progress.

Accreditation for Professional Status
The BEng Materials Science Engineering programme has been accredited by the Hong Kong Institution of Engineers (HKIE) as an award satisfying the academic requirements for its Corporate Membership.
ABOUT MSE

No.1 Best Global Universities for Nanoscience and Nanotechnology in Hong Kong (#19 Globally)
US News & World Report 2022

No.1 Global Ranking of Academic Subjects in Materials Science and Engineering in Hong Kong (#31 Globally)
ShanghaiRanking 2022

No.1 Global Ranking of Academic Subjects in Nanoscience and Nanotechnology in Hong Kong (#21 Globally)
ShanghaiRanking 2022

No.1 Global Ranking of Academic Subjects in Metallurgical Engineering in Hong Kong (#24 Globally)
ShanghaiRanking 2022

For further details about our programme structure and other information, please visit our website:

www.cityu.edu.hk/mse
OUR GRADUATES AND CAREER PROSPECTS

PROFESSIONAL CAREERS

- 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
- NANO AND ADVANCED MATERIALS INSTITUTE LTD
- HK AIRCRAFT ENGINEERING
- ATAL ENGINEERING
- SAE MAGNETIC CO LTD
- BUILDING DIAGNOSTIC CONSULTANTS LTD
- BIEL CRYSTAL

AND MORE...
**Admission Routes and Requirements**

**HKDSE Students**
- JUPAS
  - JUPAS Code: JS1210
  - BEng - Materials Science and Engineering

**Non-HKDSE Students**
- Direct Application (Non-JUPAS)
  - Non-JUPAS Code: 1210
  - BEng - Materials Science and Engineering

**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

**BEng-Materials Science and Engineering (Year 2-4)**
- Properties of Conventional & Advanced Engineering Materials
- Material Testing
- Examination Techniques and Failure Analysis
- Processing of Modern & Advanced Materials

**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 procedures, please visit the website of our Admission Office: http://www.admo.cityu.edu.hk/