Master of Science in Engineering Management (MSEM)

From Engineers to Engineering Managers

This programme aims to develop students’ managerial skills, innovation and entrepreneurial spirit, and leadership capabilities in the context of engineering management and entrepreneurship.
Master of Science in Engineering Management (MSEM)

The Department of Systems Engineering (SYE) aims to help Hong Kong meet the technological and managerial challenges of the 21st century by engaging in industrially relevant research and development activities and by committing to foster closer research collaborations and more executive development and consultancy activities with Hong Kong and China’s industrial sectors.

PROGRAMME OBJECTIVES

This programme aims to equip students with the analytical, managerial and behavioural skills and knowledge that they need to excel in contemporary engineering management. Students should be able to undertake engineering management projects/research and to turn innovative ideas into practical applications. The programme meets the educational needs of engineers who are making the transition to engineering managers or technological entrepreneurs.

PROGRAMME STRUCTURE

You can obtain an MSc degree by completing coursework only or by combining coursework with a dissertation project.

Core courses:
- Engineering Management Principles and Concepts
- Operations Management
- Project Management
- Technological Innovation and Entrepreneurship

Selected elective courses:
- Asset and Maintenance Management
- Business Process Improvement and Innovation
- Financial Engineering for Engineering Managers
- Industrial Marketing Management for Engineers
- Managerial Decision-making Systems with Artificial Intelligence
- Managing Strategic Quality
- Quality and Reliability Engineering
- Risk and Decision Analysis
- Supply Chain Management
- Financial Engineering for Engineering Managers
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- Quality and Reliability Engineering
- Risk and Decision Analysis
- Supply Chain Management

For a full list of elective courses, please visit www.cityu.edu.hk/sye/msem/

CONTINUING EDUCATION FUND (CEF) (FOR LOCAL STUDENTS)

Some elective courses, such as ADSE6015 - Supply Chain Management and ADSE6037 - Managing Strategic Quality, have been specified by the Office of the Government’s Continuing Education Fund as ‘reimbursable courses’.

Full details are available at www.wfsfaa.gov.hk/cef/en/

SCHOLARSHIP

A maximum of two MSEM- Entrance Scholarships will be awarded in each academic year. The value of each award shall not exceed HK$25,000.

Information on other scholarships and financial assistance schemes is available on the website of the University’s Student Development Services (www.cityu.edu.hk/sds).}

ENGLISH PROFICIENCY REQUIREMENTS

Non-local candidates from an institution where the medium of instruction is not English should fulfil one of the following English proficiency requirements:

- a TOEFL score of 550 (paper-based test) or 79 (Internet-based test);
- an overall band score of 6.5 in the International English Language Testing System (IELTS);
- a score of 450 in the new College English Test (CET6) of mainland China or a pass in the old CET-6 test; or
- other equivalent qualifications.

Enquiries

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