



香港城市大學  
City University of Hong Kong

College of Engineering  
Department of Systems Engineering

系統工程學系



## Master of Science in Engineering Management (MSEM)

## 理學碩士(工程管理學)

Full-time (1 Year)/Part-time (2 Years)  
Programme Code: P56

### 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

4 core courses + 6 elective courses

4 core courses + 3 elective courses + dissertation

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

For a full list of elective courses, please visit [www.cityu.edu.hk/sye/msem/](http://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/](http://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/](http://www.cityu.edu.hk/sds/)).


## ENTRANCE REQUIREMENTS


Applicants must hold a Bachelor degree in engineering or science, or the equivalent, or be a graduate member or qualified for graduate membership of a professional engineering institution.

## 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:

TOEFL and IELTS scores are considered valid for two years from the test date and must be valid at the time of submission of application.

 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

Tel: 34429321

Email: [sye.office@cityu.edu.hk](mailto:sye.office@cityu.edu.hk)

Website: [www.cityu.edu.hk/sye/msem](http://www.cityu.edu.hk/sye/msem)

