

4.17 Master of Science (MSc) in Information Technology Management

(One year Full-time or Two-year Part-time)

Prof. LEUNG Yiu Wing, Course Director, MSc in Information Technology Management

Aims

The course aims to develop IT managers and professionals who possess technical and management knowledge for designing and managing IT systems. The course focuses on IT Management with emphases on both the technological and managerial sides. On completion of this course, students will acquire:

1. the current knowledge in three main areas of IT management (namely, IT enterprise management, knowledge and information management, and Internet and Web technologies);
2. the technical knowledge to design, develop and manage IT systems;
3. the management knowledge to lead and manage IT projects;
4. the sense and creativity of identifying business needs and the capability of transforming them into IT requirements;
5. the learning capability for sustainable self-development in the rapidly changing IT field.

Admission Requirements

Applicants should possess:

- (a) a Bachelor's degree in science, engineering, business or other relevant fields from a recognized university or comparable institution or a qualification deemed to be equivalent; and
- (b) be proficient in English. Applicants not using English as the medium of learning in their Bachelor's degree course are required to provide evidence of good English proficiency (e.g., they have taken English proficiency subjects in the universities, or obtained satisfactory results in TOEFL or the College English Test in the Mainland).

For exceptional cases in which applicants have other

qualifications but substantial experience in information technology, the Course Team will consider the suitability of these applicants based on individual merits and interviews.

Structure of the Course

Students can select full-time or part-time study mode for this course. The normal study period for full-time and part-time mode is one year and two years respectively. Students are required to attend classes on weekday evenings or Saturdays.

Each student is required to complete 25 units as follows: 7 units of core subjects, 15 units of elective subjects, and 3 units of M.Sc. Project. In particular, the elective subjects are divided into three streams and each student is required to take at least one subject from each stream. If a student has a Bachelor's degree in IT or closely related fields, she/he must substitute the core subject "Foundations of Information Technology" by an elective subject. If a student does not have programming experience, she/he is required to take a 32-hour supplementary programming subject (which will be offered in Saturdays in September/October). The subjects are listed as follows:

Core Subjects	7 units
Foundations of Information Technology	3 units
Foundations of Management in the IT Context	3 units
IT Forum	1 unit

Elective Subjects **15 units**
Each student is required to choose FIVE elective subjects, at least ONE from each stream:

IT Enterprise Management:

IT Management : Principles & Practice	3 units
IT Project Management	3 units
Information Systems Auditing	3 units
IT Laws & Ethics	3 units
Electronic Transformation in Business	3 units
Information Management Systems Development	3 units
Electronic Business & Enterprise	3 units
Advanced Topics in IT Management	3 units

4 TAUGHT POSTGRADUATE PROGRAMMES

Knowledge and Information Management:

Business Intelligence & Decision Support	3 units
Web Intelligence & Its Applications	3 units
Database Systems & Administration	3 units
Data Mining & Knowledge Discovery	3 units
Information Retrieval & Knowledge Management	3 units
Advanced Topics in Knowledge & Information Management	3 units

Internet and Web Technologies:

Internet & World Wide Web	3 units
Network Management & Computer Security	3 units
E-Technology Architectures, Tools & Applications	3 units
Multimedia Computing & Communications	3 units
Advanced Topics in Internet & Web Technologies	3 units

Supplementary Subject

(Only for students without programming experience)

Supplementary Programming	0 unit
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M.Sc. Project

3 units
25 units

Students who have satisfactorily completed all the above requirements and achieve a cumulative GPA of 2.50 or above will be awarded an MSc in Information Technology Management Degree. To be awarded Distinction for the course, students should attain a cumulative GPA of 3.7 or above, with no subject grade below B- and no repeated subjects. Students attaining a cumulative GPA between 3.40 and 3.69 will be awarded Merit.

4.18 Master of Science (MSc) in Operational Research and Business Statistics

(Two-year Part-time)

(The offer of this course is subject to the approval of the University.)

Prof. Michael NG, Course Director, MSc in Operational Research and Business Statistics

This master course is operated by the Department of Mathematics of Hong Kong Baptist University and Kent Business School in United Kingdom.

The University of Kent has an excellent international reputation. Kent Business School has a very strong

faculty in both teaching and research. Their experience and expertise, in particular in the area of business and management would give us the strength in practical, operational and managerial areas. The faculty members in the Department of Mathematics of Hong Kong Baptist University have very strong background in Statistics and Operational Research. Therefore, the launch of this joint MSc in Operational Research and Business Statistics would be an ideal and perfect match and cooperation between two universities.

Students who have satisfactorily completed the course requirements, will get the following two degrees:

Master of Science in Business Statistics (Hong Kong Baptist University) and

Master of Science in Operational Research (The University of Kent)

Aims

- To provide an opportunity of further education for working professionals in the field of Operational Research and Business Statistics
- To offer well-motivated individuals a path for career conversion into the field of Operational Research and Business Statistics

Admission Requirements

Applicants should possess:

- a Bachelor's degree or equivalent qualification in Mathematics, Statistics, Computer Science, Physics, Engineering, Business or other related majors; and
- proficiency in Basic Mathematics.

In addition, applicants must satisfy at least one of the following requirements on English language proficiency:

- English as the medium of learning in applicant's Bachelor's degree course;
- a minimum score of 520 (paper-based test) or 190 (computer-based test) in TOEFL;
- a minimum score of 6 in International English Language Testing System;
- Band 6 in the College English Test in China;