

Master of Science (MSc) Program in Information Systems Management

Academic Director:

Theodore H. CLARK, Associate Professor of Information Systems, Business Statistics and Operations Management

As Hong Kong has moved from a manufacturing and export-based economy to a service-based economy, the demand for support of services has surged. The delivery of services on an international scale calls for adequate information systems support. The Master of Science (MSc) program in Information Systems Management is designed to meet the rapidly increasing demand for middle and senior level information systems professionals. It aims to prepare professionals for career advancement within the field of information systems. Students would gain fundamental and advanced training in the core skills of the field, and an education in basic management knowledge as applied to the information systems function in modern business organizations. This is not a technical degree; studies are focused on management of information systems technology functions and staff.

Target students would be drawn from two groups:

- a) Business executives who want to harness IT for their companies' competitiveness; and
- b) IT professionals pursuing career advancement and management training.

Successful part-time candidates for admission would typically have a few years of work experience, a strong quantitative background, and a desire to harness technology for their companies' competitiveness. Full-time applicants are not required to have work experience, but strong academic background and/or GMAT/GRE is necessary for successful application.

Program Learning Outcomes

On successful completion of the program, graduates will be able to:

- Analyze the core issues and identify critical factors for business decision-making;
- Solve business problems using appropriate quantitative and analytical techniques;
- Solve business problems from alternative and innovative perspectives;
- Defend reasoned solutions to business problems, includes addressing time, information, and resource constraints;
- Demonstrate information technology foundation skills in database, system engineering, programming, and network administration;
- Manage information technology projects and apply project management skills and capabilities in the context of large-scale information systems projects;
- Examine various types of IS applications and their benefits within the organizations;
- Interpret technical, organizational and managerial issues related to the use of

information systems technology;

- Demonstrate management skills in the use of technical foundation knowledge in the context of information technology management issues;
- Analyze business information with information technology efficiently and effectively;
- Facilitate business innovations via the use of information systems;
- Interpret current technology trends and develop plans to leverage these trends; and
- Speak with end-users and other stakeholders about core technologies in information systems using relevant and audience appropriate technical and business language.

Admission Requirements

Applicants must possess a bachelor's degree or equivalent from a university or a recognized institution. Furthermore, they are recommended to present a satisfactory score on the GRE or GMAT, with a strong showing in both quantitative and verbal skills.

For the part-time program, at least two years of full-time post-qualification working experience is preferred. For the full-time program, work experience is not required, but applicants with work experience will have an advantage.

Program Duration

The full-time program can be completed in one year and the part-time program can be completed in two years, provided that students attend Winter Term.

Program Fee

The program fee for the 2016-17 intake is HK\$220,000 for full-time mode, and HK\$180,000 for part-time mode.

Curriculum

Students are required to complete 30 credits of coursework as follows:

a) Core courses (12 credits)

ISOM 5100	Information Strategy and Management
ISOM 5280*	Computer and Internet Security Management
ISOM 5320	Electronic Commerce and Web Analytics
ISOM 5370	Technology and Innovation Management
ISOM 5460#	Project Management
ISOM 5700	Operations Management

b) Required courses (0-6 credits)

Subject to the decision of the Academic Director, students who do not have sufficient background in information systems, computer science or engineering

may be required to take the following three required courses:

ISOM 5180 [^]	Applied Network Management
ISOM 5260	Fundamentals of Database Management
ISOM 5290	Information Systems Development Methodologies

c) Elective courses (12-18 credits)

ISOM 5030	Business Simulation and Strategic Decisions
ISOM 5050	Business Essentials for IT Professionals
ISOM 5130	Outsourcing Management
ISOM 5150	Strategic Information Infrastructure
ISOM 5200	Innovation and Intellectual Property Law
ISOM 5230	Consumer Privacy Management in the Information Economy
ISOM 5250	Business Modeling with VBA
ISOM 5270	Big Data Analytics
ISOM 5300	Information Infrastructure Policy and Regulation
ISOM 5360	Information Systems Auditing
ISOM 5380	Information Systems Assurance and Forensic Investigation
ISOM 5450	Technology Consulting
ISOM 5480	Technology Entrepreneurship
ISOM 5720	ERP and Enterprise Systems Management
ISOM 6000-6100	Special Topics in Information Systems
ISOM 6350	MSc Research Project
ISOM 6390	Independent Study in Information Systems

Plus any other courses approved by the Academic Director.

Full-time students are allowed to take up to 4 additional credits of electives (on top of the graduation requirement of 30 credits).

Graduation Requirements

Students must complete the program with a graduation grade average (GGA) of 2.850 or above as required of all postgraduate students at the University.

* *Students with CISSP, CISM or GCIH professional certification may apply for substitution for ISOM 5280.*

Students with PMP professional certification may apply for substitution for ISOM 5460.

[^] *Students with CCNA professional certification may apply for substitution for ISOM 5180.*