

EMBA/MBA/MSc Programs

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- Executive Master of Business Administration (EMBA) Program
- MBA Program
- Master of Science (MSc) Program in Information Systems Management
- Master of Science (MSc) Program in Investment Management
- MBA/MSc Dual Degree Programs

Master of Science (MSc) Program in Electronic Commerce Management

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- Master of Science (MSc) Program in Electronic Commerce Management

MPhil/PhD Programs

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- MPhil/PhD Programs

Executive Master of Business Administration (EMBA) Program

The Asia-Pacific region's rapid development into an international center for trade, finance and industry has created a need for global management preparation. There is an increasing call for multinational and international companies in the region to update their experienced executives with modern business and management skills in order to cope with the ever-increasing complexity of business activities. A high level business program with an Asia-Pacific focus is of utmost importance and value.

The Executive Master of Business Administration (EMBA) program is jointly organized by the Kellogg Graduate School of Management of the Northwestern University and the School of Business and Management of the Hong Kong University of Science and Technology. It is designed to help company executives address complex business and management issues from a global and integrative perspective. Executives located in Hong Kong and other major cities in the Asia-Pacific region, such as Beijing, Shanghai, Taipei, Bangkok, Manila, Singapore, Ho Chi Minh City are participating in the program.

Upon successful completion of the program, graduates will be awarded a Master of Business Administration (MBA) degree jointly by the Northwestern University and the Hong Kong University of Science and Technology. Graduates will become alumni of both universities.

Admission Requirements

Applicants for admission to the EMBA program must possess a bachelor's degree from a recognized university or an approved institution, or possess professional qualifications considered by the School to be equivalent to a first degree. They should also have at least 10 years of full-time working experience after obtaining their bachelor's degree or professional qualification. All applicants must be interviewed before admission to the program.

For applicants who were educated at institutions where the primary language of instruction was not English and whose native language is not English, a satisfactory score on the Graduate Management Admission Test (GMAT) is required.

In addition, participants must be sponsored and supported by their companies. They should be promising executives within the company and should be able to demonstrate that:

- (a) their organization sponsor considers they are outstanding and have potential within the organization;
- (b) they are holding, or will soon hold, positions of executive responsibilities that make the program of value in furthering their career; and
- (c) they have both the time and motivation to make the commitment to attend classes and prepare assignments.

Program Structure

The Kellogg-HKUST EMBA program is a 16-month part-time general management program. It employs instructional methods tailored to the skills and needs of experienced managers. Organized in short "modules", participants take two courses each month that cut across traditional subject areas to provide tools and techniques for solving complex managerial problems. Emphasis is placed on three specific areas of management skills: behavior in learning organizations, international management, and managing groups of cooperating firms for international competitiveness.

There are a total of twelve modules, and two six-day residential sessions over the program. The class schedule allows participants to continue their careers while they study to acquire a broad range of functional and managerial skills. In addition, the schedule provides students with the opportunity to exercise their skills in workplace situations.

Participants meet twice every month on the HKUST campus and are accommodated in the University Center. Classes will be held on Friday afternoons, Saturdays and Sundays.

There are two live-in sessions in the program - the first to be held at HKUST in January 2002 and the second at Kellogg's James L. Allen Center in Evanston, Illinois, in September 2002. During the six-day live-in sessions, participants are introduced to the issues and analytical skills to be developed. The initial session is also a critical time for the development of class identity and for the formation of study groups. Live-in sessions round out the curriculum by allowing participants to continue classroom and small group discussions, expand their network of business contacts, and get to know their classmates.

Participants are required to complete 32 credits of coursework, including 17 core courses totaling 21 credits and 11 credits of special topics courses from the EMBA course list. Each course requires 15 contact hours.

As a partnership, the EMBA program combines faculty members from the Kellogg Graduate School of Management of the Northwestern University and the School of Business and Management of the Hong Kong University of Science and Technology. Half of the courses are taught by faculty members from Kellogg and the other half by faculty members at HKUST.

Program Fees

For students admitted in January 2002, the program fee is HK\$535,000 (or US\$68,500), payable in two instalments with due dates on 1 December 2001 and 1 August 2002. Expenses for faculty teaching, books, accommodations and meals for all weekends at HKUST and the two live-in sessions are all included. Additional expenses are required for participants' transportation to HKUST and Kellogg.

Curriculum

Students are required to take the following 17 core courses totaling 21 credits:

EMBA 501	Operating Strategies for the General Manager	[1-1-0:2]
EMBA 502	Analysis of Uncertainty in Management Decisions	[1-1-0:2]
EMBA 503	Financial Reporting Systems	[1-0-0:1]
EMBA 504	Strategic Marketing	[1-0-0:1]
EMBA 505	Organizational Design	[1-0-0:1]
EMBA 506	Individual and Group Behavior in the Organizations	[1-0-0:1]
EMBA 507	Statistical Decision Analysis	[1-0-0:1]
EMBA 508	Managerial Finance	[1-0-0:1]
EMBA 509	Managerial Economics	[1-0-0:1]
EMBA 510	Competing in a Network Economy	[1-0-0:1]
EMBA 511	Operations Management	[1-0-0:1]
EMBA 512	Financial Information for Management Planning and Control	[1-0-0:1]
EMBA 513	Market Research	[1-0-0:1]
EMBA 515	Negotiation	[1-1-0:2]
EMBA 516	Strategic Marketing II/MARKSTRAT	[1-1-0:2]
EMBA 517	Law and the Corporate Manager	[1-0-0:1]
EMBA 518	Integration of the Finance Function	[1-0-0:1]

In addition to the core courses, students are required to take 11 credits of special topics courses from the EMBA course list. The total number of credits to fulfill the degree requirements is 32.

Graduation Requirements

Regular attendance of courses is required. Courses will need to be repeated or replaced if participants fail to obtain a passing grade. Methods of assessment for each course including examinations, individual assignments and group projects will be different to suit the needs of individual courses.

MBA Program

At HKUST, management education is designed to provide students with the skills and tools necessary to direct and manage organizations, whether large or small, public or private, domestic or international, for-profit or not-for-profit, and with a means for envisioning the future and realizing objectives. An important component of this education is the Master of Business Administration (MBA) program. It is available on a full-time or part-time basis.

The MBA program cultivates the student's ability to deal successfully with the challenges and opportunities presented by continued technological development and globalization. While providing students with skills and knowledge to operate successfully in today's environment, the program also prepares them to cope with the challenges of the future. The approach utilized is designed to meet Hong Kong's needs in the transition from a labor-intensive to a technology-based economy. The School of Business and Management builds and maintains close relationships with the professional management community to prepare strongly motivated individuals for highly skilled managerial roles.

Designed to provide a balance between theory and practice and between individual and team approaches to management questions, the MBA program is structured to provide a broad base of general management skills on which specialized skills may be developed. Thus, both generalists and specialists can meet their individual career preparation goals. Students not only develop analytical and conceptual tools for innovative problem solving, but also build up confidence and develop interpersonal skills to interact effectively in difficult and complex situations. Various teaching techniques and methods, such as lectures, computer simulations, case discussions, and individual and group projects, are used to provide students with an intellectual as well as an experiential background.

Admission Requirements

Applicants for admission to the MBA program are expected to have completed a bachelor's degree from a university or approved institution or have obtained qualifications considered by the School to be equivalent to a first degree. For applicants who are employed, their employment history will play a critical role in the admissions process. Demonstrated proficiency in the English language is important for successful completion of the program.

In addition to the [documentation required by the University](#), applicants to the MBA program must submit the following:

- (a) the score obtained on the Graduate Management Admission Test (GMAT) (Note: applicants should instruct the Educational Testing Service to send the score to the School of Business and Management, Hong Kong University of Science and Technology, [Code Number 0369](#)); and
- (b) the score obtained in the Test of English as a Foreign Language (TOEFL) (Note: only for applicants who attended educational institutions where the language of instruction was not English and whose first language is not English).

Fees for the 2001-2002 Academic Year

The program fees for 2001-02 for the full-time and part-time MBA programs are \$2,650 and \$3,850 per credit respectively. They cover tuition fees, costs of residential program, expenses for Saturday luncheon presentations and speakers' honoraria. In addition, each new student is required to pay a deposit of HK\$300 as caution money on first registration. Charges will be made against this deposit if there are any unpaid claims against the student, such as outstanding library dues. Except for caution money, all fees are non-refundable.

Exemption from Courses

Full-time students with at least two years of working experience and a business degree can apply for exemption from courses in the first-year Fall semester. The exemption would be granted if equivalent courses, as listed in the MBA first Fall Semester, were taken in the undergraduate degree with satisfactory grades. If exemption is granted, they will join the residential program and orientation in August and then join the MBA program directly in the first-year Winter Session by attending LANG 502 Managerial Communication and ISMT 502 Fundamentals of Information Technology Management.

Part-time students can be considered for waiving up to six credits without replacement if they can provide documentary evidence, e.g. an official transcript and course syllabus, that a course/courses equivalent in content is taken elsewhere, with a satisfactory grade.

Curriculum

As a program of professional management education, the MBA curriculum requires rigorous study, creativity and imagination, analytical thinking, problem diagnosis and solution, and teamwork. The MBA program aims to provide an environment in which students develop general management perspectives and an ability to approach situations from the perspective of the entire organization; a comprehensive understanding of organizations and the skills essential to managing and working effectively with people; sophisticated awareness of the complex global, technological, industrial, and governmental environments in which organizations operate; and sensitivity to the economic and social responsibilities of management. Full-time students are expected to complete the program in 18 months. By attending courses in Summer Sessions, part-time students can finish the program in two years.

The carefully designed curriculum is structured so that students proceed through the required courses in a sequence, to building upon skills and concepts presented in earlier courses. The MBA curriculum has two main components: MBA required courses and advanced electives.

MBA Required Courses

The MBA required courses provide basic knowledge of management functions that every manager must understand, and builds a foundation for advanced study in selected areas. Classroom education is balanced by opportunities for practical application using the Hong Kong business community as a laboratory. Required courses provide students with both the functional field and basic conceptual and analytical tools needed to address management problems.

In addition to required courses, special courses and career development programs are offered to provide students with insights into business environments and broad industrial experiences. These include tailor-made in-house management seminars on topics such as negotiation skills, leadership, conflict management, career planning; Saturday luncheon presentations where outside business executives are invited for talks and discussions about twice a month; and management communication courses to enhance oral and written skills.

Advanced Electives

Advanced electives allow students to develop in-depth expertise in areas that can enhance their career development. Courses are offered in accounting, economics, finance, information systems, operations management, management of organizations and marketing.

Accounting plays an important role in financial communication and control within an enterprise, and between the enterprise and the investor. It also provides an essential tool with which society and government evaluate and control economic behavior.

Problem-solving in the practice of business management requires a firm theoretical base in **economics**. In private firms, managers are guided by economic principles in making decisions on almost all aspects of their business such as production, investment, employment, budget forecast, and marketing choices. In public agencies, managers likewise rely on economic analyses in their design, determination, and assessment of public policies.

Finance provides a study of issues in corporate finance investments, financial markets and institutions and the international financial system. Applications in this area of study include the functioning of the securities market, portfolio management, management of banks and insurance companies, and multinational finance.

Information and systems management covers two major areas of study: Information Systems and Management Operations. **Information systems** plays a central role in integrating the communication, data processing and information processing across all functions in an organization. They not only support current application requirements, but also enable the transformation of organization work and human organization to meet the ever-changing demands of the marketplace. Managing this process requires a broad range of skills from the highly technical to the strategically business-oriented. **Operations management** includes both management science and operations and technology management. Management science plays an important role in managerial decision making by applying the formal scientific methods of analysis and synthesis. Areas of study include model building, probability theory, simulation and optimization methods. Students may either choose a theoretical orientation or apply the concepts to a particular area of interest such as finance. Operations and technology management emphasize managerial decision-making in production or operations and its inter-relationships with other organizational activities such as strategy planning, inventory management, and project management and control.

Management of organizations covers many areas of contemporary management thought and practice. Students can explore current issues facing general managers today: executive development and leadership, management of human resources, strategy formulation and implementation, comparative management systems, and international business.

The **marketing** function is crucial to the health and survival of any organization. With basic concepts of marketing operations and strategic planning, managers can help an organization to decide which consumer groups it should serve, which products or services it should produce, as well as the levels of promotional effort, pricing and other considerations in sales promotion.

Concentrations

The School provides students, both full-time and part-time, with the option of studying for a general MBA program or a concentration in one of the following areas: China Business, Financial Services, Electronic Commerce or Information Technology Management. To complete a concentration, part-time students take 10 to 11 credits of elective courses in the relevant area. Full-time students complete a concentration elective during their required exchange in one of the 33 renowned international business schools.

Exchange Program

To maintain the global perspective of the MBA programs and to provide the MBA student with an in-depth understanding of the complexities and demands of the international business environment, full-time MBA students are required to participate in an international academic exchange program in the Fall of the second year of study. Part-time students who have their employer's approval to take leave to study in an overseas program for one semester can also join the exchange program. Participating students will pay regular tuition to HKUST and receive credits for courses taken at the exchange institutions. Students are fully responsible for all expenses during the exchange including books, housing, meals, transportation, personal and medical expenses.

Full-time MBA Curriculum

(a) Required courses:

	ACCT	510	Accounting Foundations	[3-0-0:3]
	ACCT	521	Accounting for Management and Financial Decisions	[1-0-0:1]
	ACCT	562	Legal Environment of Business	[2-0-0:2]
	ECON	511	Managerial Microeconomics	[3-0-0:3]
	FINA	512	Corporate Finance	[3-0-0:3]
or	FINA	522	Portfolio Management	[3-0-0:3]
	ISMT	502	Fundamentals of Information Technology Management	[2-0-0:2]
	ISMT	551	Introductory Statistics for Business	[3-0-0:3]
	ISMT	561	Operations and Technology Management	[3-0-0:3]
	LANG	502	Managerial Communication	[2-0-0:2]
	MARK	512	Marketing Strategy and Policy	[3-0-0:3]
	MGTO	521	Managerial Problem Solving	[2-0-0:2]
	MGTO	523	Management of Organizations	[3-0-0:3]
	MGTO	541	Management Policy	[3-0-0:3]

(b) Electives: 23 credits

(c) Total credits required: 56 credits (37 credits for Business graduates who are granted exemption)

The course schedule for the full-time MBA curriculum is as follows:

	Fall	Winter	Spring
Year 1⁽¹⁾	ACCT 510 ACCT 521 ECON 511 ISMT 551 ISMT 561 MARK 512 (2) MGTO 521 MGTO 523	LANG 502 ISMT 502	ACCT 562 FINA 512 or FINA 522 (3) Electives
	Total: 21 credits	Total: 4 credits	Total: 19 credits
Year 2	Compulsory Exchange Electives	MGTO 541	
	Total: 9 credits	Total: 3 credits	

(1) Business graduates granted exemption will take MGTO 521 (2 credits) in August and continue the MBA program in the Winter Session. All other students will begin the program in the Fall Semester.

- (2) This is a two-credit residential course which includes an experiential learning program and is normally held in late-August prior to the start of the Fall Semester.
- (3) Electives may be two- to four-credit courses.

Part-time MBA Curriculum

The part-time MBA program is designed to meet the specialized needs of working professionals and managers. The program enrolls participants who are responsible for a diversity of functions within their organizations, and who have significant responsibility and notable achievements. They are expected to be targeted for complex assignments and career advancement.

The curriculum for the part-time MBA program is similar to the full-time MBA, but fewer electives are necessary. Participants are expected to share the benefit of their past and on-going work experience with one another while in the program, and to bring this experience to bear on class discussions and assignments. The educational environment is thereby enriched and part-time MBA students obtain skills and perspectives that extend well beyond theoretical and textbook applications.

Course Requirements and Schedule

The course requirements and schedule of the part-time MBA are designed to be compatible with the work demands of responsible, busy professionals. Classes are held throughout the year on the University campus on Saturdays beginning at 9 am.

To enrich the learning experiences and widen the perspectives of the students, members of the business community, political leaders, and faculty experts are frequently invited to give luncheon presentations.

Part-time students are also required to attend a two-weekend, five-day residential management course prior to the start of the program in the Fall Semester. For part-time students entering in 2001-02, MGTO 521 Managerial Problem Solving will be held in mid-August 2001. Reading assignments will be provided in advance of the course. Students will be provided with homework assignments to be completed in small groups after the first weekend.

The courses scheduled for the Fall Semester will commence on Saturday, 8 September 2001 and follow the regular University schedule for the remainder of the academic year. Regular attendance is an important part of the course requirements. Each student's input is important as classes are organized for optimum size and diversity of backgrounds to increase the value of class discussion. Students who are absent from a significant number of class sessions will not be awarded course credits.

The requirements of the part-time MBA program include the following:

(a) Required courses:

	ACCT	510	Accounting Foundations	[3-0-0:3]
	ACCT	521	Accounting for Management and Financial Decisions	[1-0-0:1]
	ACCT	562	Legal Environment of Business	[2-0-0:2]
	ECON	511	Managerial Microeconomics	[3-0-0:3]
	FINA	512	Corporate Finance	[3-0-0:3]
or	FINA	522	Portfolio Management	[3-0-0:3]
	ISMT	502	Fundamentals of Information Technology Management	[2-0-0:2]
	ISMT	551	Introductory Statistics for Business	[3-0-0:3]
	ISMT	561	Operations and Technology Management	[3-0-0:3]
	LANG	502	Managerial Communication	[2-0-0:2]
	MARK	512	Marketing Strategy and Policy	[3-0-0:3]
	MGTO	521	Managerial Problem Solving	[2-0-0:2]
	MGTO	523	Management of Organizations	[3-0-0:3]
	MGTO	541	Management Policy	[3-0-0:3]

(b) Electives: 13 credits

(c) Total credits required: 46 credits

The course schedule for the part-time MBA program is as follows:

	Fall	Winter	Spring	Summer
Year 1	ACCT 510 ACCT 521 ISMT 551 (1) MGTO 521	ACCT 562	ECON 511 ISMT 502 MGTO 523	FINA 512/522 LANG 502
	Total: 9 credits	Total: 2 credits	Total: 8 credits	Total: 5 credits
Year 2	ISMT 561 MARK 512 (2) Electives		(2) Electives	MGTO 541 (2) Electives
	Total: 8 credits		Total: 8 credits	Total: 6 credits

- (1) This is a two-credit residential course which includes an experiential learning program and is normally held in mid-August prior to the start of the Fall Semester.
- (2) Electives may be two- to four-credit courses.

Master of Science (MSc) Program in Information Systems 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 demands information systems support. The MSc program in Information Systems Management (ISM) is designed to meet the surging demand for information systems (IS) 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 IS technology functions and staff.

Target students would be drawn from two groups:

1. Professionals who have found themselves employed within the information systems function in their company and would like to better prepare themselves for advancement within the field.
2. Non-IS Professionals whose duties become more and more integrated with the IS function of an organization; including supervision or coordination with IS staff.

The successful candidate for admission would typically have at least three years of work experience, a strong quantitative background, and a desire to pursue a professional career in information systems management.

Admission Requirements

Applicants for admission to the MSc in ISM program must hold a first degree or its equivalent from an approved institution, with at least second class honors. Furthermore, they must present a satisfactory score on the Graduate Record Examination (GRE) or Graduate Management Admission Test (GMAT), with a strong showing in both quantitative and verbal skills.

For those applicants who were not educated at institutions where the primary language of instruction was English and whose native language is not English, a satisfactory score on the Test of English as a Foreign Language (TOEFL) is also required.

Program Fees

The program fee for the 2001-02 intake is \$3,120 per credit.

Curriculum

The curriculum consists of two parts: (1) core courses and (2) concentrations.

1. Core Courses (17 credits)

All students must take the following core courses:

ISMT 502	Fundamentals of Information Technology Management	[2-0-0:2]
ISMT 526	Applications of Database Management Systems and Data Mining	[2-0-0:2]
ISMT 529	Information Systems Development Methodologies	[2-0-0:2]
ISMT 531	Information Strategy and Economics	[3-0-0:3]
ISMT 546	Software Project Management	[2-0-0:2]
ISMT 561	Operations and Technology Management	[3-0-0:3]
MGTO 523	Management of Organizations	[3-0-0:3]

2. Students can opt for any of the following concentrations:

a) Electronic Commerce Concentration (10 credits)

ISMT 532	Foundation of Electronic Commerce	[3-0-0:3]
<i>and</i>		
<i>either</i>	ISMT 535 Introduction to Computer Programming plus 5 credits of EC electives.	[1-0-2:2]
<i>or</i>	ISMT 536 Advanced Internet Applications Development plus 4 credits of EC electives	[2-0-3:3]

EC electives:

ISMT 520	E-Commerce and Telecommunication Law and Regulation	[1-0-0:1]
ISMT 521	Decision Support and Knowledge Management Systems	[3-0-0:3]

ISMT 523	Internet and Computer Communications	[3-0-0:3]
ISMT 525	Multimedia Information Systems	[2-0-2:3]
ISMT 528	Computer and Internet Security Management	[2-1-0:3]
ISMT 533	Business-to-Business Electronic Commerce	[2-0-0:2]
ISMT 534	Internet and Electronic Commerce Marketing (or Marketing equivalent)	[2-0-0:2]
ISMT 536	Advanced Internet Applications Development	[2-0-3:3]
ISMT 696	MSc Research Project	[2-4 credits]
MARK 512	Marketing Strategy and Policy	[3-0-0:3]

and any other courses approved by the MSc coordinator of the Department.

b) Telecommunications and Networking Management Concentration (10 credits)

ISMT 523	Internet and Computer Communications	[3-0-0:3]
<i>and</i>		
<i>either</i>	ISMT 518 Applied Network Management (Cisco1 & 2)	[1-0-5:3]
<i>or</i>	ISMT 530 Telecommunications Policy plus 4 credits of TC electives.	[3-0-0:3]

TC electives:

ISMT 518	Applied Network Management (Cisco 1 & 2)	[1-0-5:3]
ISMT 519	Advanced Network Management (Cisco 3 & 4)	[1-0-3:2]
ISMT 520	E-Commerce and Telecommunication Law and Regulation	[1-0-0:1]
ISMT 521	Decision Support and Knowledge Management Systems	[3-0-0:3]
ISMT 525	Multimedia Information Systems	[2-0-2:3]
ISMT 528	Computer and Internet Security Management	[2-1-0:3]
ISMT 532	Foundations of Electronic Commerce	[3-0-0:3]
ISMT 533	Business-to-Business Electronic Commerce	[2-0-0:2]
ISMT 534	Internet and Electronic Commerce Marketing (or Marketing equivalent)	[2-0-0:2]
ISMT 696	MSc Research Project	[2-4 credits]
MARK 512	Marketing Strategy and Policy	[3-0-0:3]

and any other courses approved by the MSc coordinator of the Department.

c) Students not completing a concentration may select 7 credits of IS electives and 6 credits of open electives approved by the MSc coordinator of the Department.

3. Free Electives (3 credits)

Students should take 3 credits of free electives to make up for the total of 30 credits required by the program.

A sample course schedule of the part-time, two-year MSc (ISM) program (Electronic Commerce option):

	Summer	Fall	Winter	Spring
Year 1	ISMT 502 (2) ISMT 546 (2)	ISMT 532 (3) EC Elective (3)	EC Elective (2)	ISMT 526 (2) ISMT 529 (2) ISMT 535 (2)
Year 2	ISMT 531 (3)	ISMT 561 (3) Free Elective (3)		MGTO 523 (3)

A sample course schedule of the part-time, two-year MSc (ISM) program (Telecommunications and Networking Management option):

	Summer	Fall	Winter	Spring
Year 1	ISMT 502 (2) ISMT 546 (2)	ISMT 523 (3) ISMT 561 (3)		ISMT 526 (2) ISMT 529 (2) TC Elective (2)
Year 2	ISMT 531 (3)	ISMT 530 (3) Free Elective (3)		MGTO 523 (3) TC Elective (2)

Graduation Requirements

The minimum number of credits to fulfill the degree requirements is 30. This part-time program can be completed in 24 months provided the student attends summer sessions. Classes will be conducted on Saturdays or weekday evenings.

Master of Science (MSc) Program in Investment Management

The MSc program in Investment Management aims to train students for professional careers in fund management, securities trading and risk management. It provides students with fundamental training in finance, statistics, and information technology, so that they can effectively manage the sophisticated investment products that are already in use. It also provides students with the tools to manage new products that will emerge.

Admission Requirements

Applicants are expected to have a bachelor's degree from a university or approved institution, and will have to achieve a satisfactory GRE or GMAT score in order to be seriously considered. For applicants who attended educational institutions where the language of instruction was not English and whose first language is not English, a satisfactory score in the Test of English as a Foreign Language (TOEFL) is required.

Program Fees

The program fee for the 2001-02 intake is \$2,550 per credit.

Curriculum

The MSc in Investment Management curriculum is composed of two parts: (1) core courses, (2) electives.

1. Core Courses (13/14 credits)

FINA 513	Corporate Risk Management	[2-0-0:2]
FINA 521	Investment Analysis and Portfolio Management	[4-0-0:4]
FINA 551	Options and Futures Markets	[4-0-0:4]
FINA 581	Statistical Methods for Asset Pricing	[4-0-0:4]
or ISMT 582	Statistical Methods for Business and Economics I	[3-0-0:3]

2. Electives (16/17 credits)

Students are free to choose from the following courses. In addition to courses offered by the Department of Finance, students may seek approval from the MSc (IM) Program Director to take courses offered by other departments in the School of Business and Management, or by the Departments of Computer Science and Mathematics, to satisfy the free elective requirement. However, no more than eight credits can be taken from outside the Department to meet the free elective requirement. Students who wish to graduate with the financial engineering concentration are required to take FINA 553, 554, 555 and 598.

FINA 512	Corporate Finance	[3-0-0:3]
FINA 532	Financial Institutions	[4-0-0:4]
FINA 541	International Finance	[4-0-0:4]
FINA 553	Fixed Income Securities	[2-0-0:2]
FINA 554	Recent Innovations in the Derivatives Markets	[2-0-0:2]
FINA 555	Analysis of Fixed Income Derivatives	[2-0-0:2]
FINA 598	Financial Engineering Seminars	[4-0-0:4]
FINA 690	Special Topics	[2-4 credits]

A sample course schedule for the part-time MSc program in Investment Management is as follows:

	Fall	Spring	Summer
Year 1	#FINA 521 #FINA 551 Total: 8 credits	#FINA 513 #FINA 581 Elective (*FINA 553 recommended) Total: 8 credits	Elective (FINA 512 recommended) Total: 3 credits
Year 2	Electives (*FINA 554,*FINA 555 and a Mathematical Finance course are recommended) Total: 8 credits	Electives (*FINA 598, and ECON 531/ ISMT 554/ MATH 546 are recommended) Total: 7 or 8 credits	

Core courses of the program

* These electives are recommended for students pursuing study on the financial engineering concentration.

Graduation Requirements

The minimum number of credits needed to fulfill the degree requirements is 30. The MSc program is offered primarily on a part-time basis. Part-time students will normally need 24 months to complete the course requirements.

MBA/MSc Dual Degree Programs

There is a growing demand from MBA graduates to pursue an MSc program in a specialized business area to strengthen their competitiveness in the job market and to enable them to excel in their specialized field.

The MBA/MSc Dual Degree programs are considered to be an extension of the MBA concentrations. Graduates of the dual degree programs will have both strong specialties and general management skills, preparing them for a management position which requires specialized knowledge in the field.

Two MBA/MSc Dual Degree programs are offered:

- MBA/MSc in Information Systems Management; and
- MBA/MSc in Investment Management.

Admission Requirements

Candidates admitted to the dual degree program should fulfill the admission requirements for both the MBA program and the MSc program concerned. Admission requirements for these programs are given in the respective program descriptions in the preceding sections.

Program Fees

The program fee is charged on a per credit basis where the first 46 credits are charged at the MBA rate of \$3,850 per credit, and the rest of the credits are charged at the MSc rate of the respective MSc program. The estimated cost required to complete the dual degree program is around \$220,000.

Option to Transfer to the MBA Program

Students admitted to the dual degree program have the option to transfer to the MBA program before the commencement of the third year of study.

Curriculum for the MBA/MSc in Information Systems Management:

1. **Required Courses:**

	ACCT 510	Accounting Foundations	[3-0-0:3]
	ACCT 521	Accounting for Management and Financial Decisions	[1-0-0:1]
	ACCT 562	Legal Environment of Business	[2-0-0:2]
	ECON 511	Managerial Microeconomics	[3-0-0:3]
	FINA 512	Corporate Finance	[3-0-0:3]
or	FINA 522	Portfolio Management	[3-0-0:3]
	ISMT 502	Fundamentals of Information Technology Management	[2-0-0:2]
	ISMT 526	Applications of Database Management Systems and Data Mining	[2-0-0:2]
	ISMT 529	Information Systems Development Methodologies	[2-0-0:2]
	ISMT 531	Information Strategy and Economics	[3-0-0:3]
	ISMT 546	Software Project Management	[2-0-0:2]
	ISMT 551	Introductory Statistics for Business	[3-0-0:3]
	ISMT 561	Operations and Technology Management	[3-0-0:3]
	LANG 502	Managerial Communication	[2-0-0:2]
	MARK 512	Marketing Strategy and Policy	[3-0-0:3]
	MGTO 521	Managerial Problem Solving	[2-0-0:2]
	MGTO 523	Management of Organizations	[3-0-0:3]
	MGTO 541	Management Policy	[3-0-0:3]

2. **SB&M Electives:** 18 credits, with at least 7 credits of Information Systems electives.

Track 1: MBA/MSc (ISM) - no concentration

	Fall	Winter	Spring	Summer
Year 1	ACCT 510 ACCT 521 ISMT 551 (1) MGTO 521	ACCT 562	ECON 511 ISMT 502 MGTO 523	FINA 512/522 LANG 502
	Total: 9 credits	Total: 2 credits	Total: 8 credits	Total: 5 credits
Year 2	MARK 512 * SB&M Elective		ISMT 529 ISMT 526 * SB&M Elective	MGTO 541 ISMT 546
	Total: 8 credits		Total: 7 credits	Total: 5 credits
Year 3	ISMT 561 * SB&M Elective		* SB&M Elective	ISMT 531
	Total: 6 credits		Total: 7 credits	Total: 3 credits

* 7 credits should be taken from Information Systems electives.

(1) This is a two-credit residential course which includes an experiential learning program and is normally held in mid-August prior to the start of the Fall semester.

Students can follow either one of the following tracks to complete their MBA/MSc (ISM) dual degree program with concentration:

Track 2: MBA/MSc (ISM) in Electronic Commerce

	Fall	Winter	Spring	Summer
Year 1	ACCT 510 ACCT 521 ISMT 551 (1) MGTO 521	ACCT 562	ECON 511 ISMT 502 MGTO 523	FINA 512/522 LANG 502
	Total: 9 credits	Total: 2 credits	Total: 8 credits	Total: 5 credits
Year 2	ISMT 532 MARK 512 * SB&M Elective		ISMT 529 ISMT 526 ISMT 535	MGTO 541 ISMT 546
	Total: 8 credits		Total: 6 credits	Total: 5 credits
Year 3	ISMT 561 * SB&M Elective		* SB&M Elective	ISMT 531
	Total: 6 credits		Total: 8 credits	Total: 3 credits

* 5 credits should be taken from Electronic Commerce electives:

ISMT 520	E-Commerce and Telecommunication Law and Regulation	[1-0-0:1]
ISMT 521	Decision Support and Knowledge Management Systems	[3-0-0:3]
ISMT 523	Internet and Computer Communications	[3-0-0:3]
ISMT 525	Multimedia Information Systems	[2-0-2:3]
ISMT 528	Computer and Internet Security Management	[2-1-0:3]
ISMT 533	Business-to-Business Electronic Commerce	[2-0-0:2]
ISMT 534	Internet and Electronic Commerce Marketing (or Marketing equivalent)	[2-0-0:2]
ISMT 536	Advanced Internet Applications Development	[2-0-3:3]
ISMT 696	MSc Research Project	[2-4 credits]
MARK 512	Marketing Strategy and Policy	[3-0-0:3]

and any other courses approved by the MSc coordinator of the Department.

(1) This is a two-credit residential course which includes an experiential learning program and is normally held in mid-August prior to the start of the Fall semester.

Track 3: MBA/MSc (ISM) in Telecommunications and Networking Management

	Fall	Winter	Spring	Summer
Year 1	ACCT 510 ACCT 521 ISMT 551 (1) MGTO 521	ACCT 562	ECON 511 ISMT 502 MGTO 523	FINA 512/522 LANG 502
	Total: 9 credits	Total: 2 credits	Total: 8 credits	Total: 5 credits
Year 2	ISMT 523 MARK 512 * SB&M Elective		ISMT 529 ISMT 526 * SB&M Elective	MGTO 541 ISMT 546
	Total: 8 credits		Total: 7 credits	Total: 5 credits
Year 3	ISMT 561 ISMT 530		* SB&M Elective	ISMT 531
	Total: 6 credits		Total: 7 credits	Total: 3 credits

* 4 credits should be taken from Telecommunications and Networking Management electives:

ISMT 518	Applied Network Management (Cisco 1 & 2)	[1-0-5:3]
ISMT 519	Advanced Network Management (Cisco 3 & 4)	[1-0-3:2]
ISMT 520	E-Commerce and Telecommunication Law and Regulation	[1-0-0:1]
ISMT 521	Decision Support and Knowledge Management Systems	[3-0-0:3]
ISMT 525	Multimedia Information Systems	[2-0-2:3]
ISMT 528	Computer and Internet Security Management	[2-1-0:3]
ISMT 532	Foundations of Electronic Commerce	[3-0-0:3]
ISMT 533	Business-to-Business Electronic Commerce	[2-0-0:2]
ISMT 534	Internet and Electronic Commerce Marketing (or Marketing equivalent)	[2-0-0:2]
ISMT 696	MSc Research Project	[2-4 credits]
MARK 512	Marketing Strategy and Policy	[3-0-0:3]

and any other courses approved by the MSc coordinator of the Department.

- (1) This is a two-credit residential course which includes an experiential learning program and is normally held in mid-August prior to the start of the Fall semester.

Curriculum for the MBA/MSc in Investment Management:

1. Required Courses:

ACCT 510	Accounting Foundations	[3-0-0:3]
ACCT 521	Accounting for Management and Financial Decisions	[1-0-0:1]
ACCT 562	Legal Environment of Business	[2-0-0:2]
ECON 511	Managerial Microeconomics	[3-0-0:3]
FINA 513	Corporate Risk Management	[2-0-0:2]
FINA 521	Investment Analysis and Portfolio Management	[4-0-0:4]
FINA 551	Options and Futures Markets	[4-0-0:4]
ISMT 502	Fundamentals of Information Technology Management	[2-0-0:2]
ISMT 551	Introductory Statistics for Business	[3-0-0:3]
ISMT 561	Operations and Technology Management	[3-0-0:3]
LANG 502	Managerial Communication	[2-0-0:2]
MARK 512	Marketing Strategy and Policy	[3-0-0:3]
MGTO 521	Managerial Problem Solving	[2-0-0:2]
MGTO 523	Management of Organizations	[3-0-0:3]
MGTO 541	Management Policy	[3-0-0:3]

2. FINA Electives: 17 credits of electives from the following list of courses:

FINA 512	Corporate Finance	[3-0-0:3]
FINA 532	Financial Institutions	[4-0-0:4]
FINA 541	International Finance	[4-0-0:4]
FINA 553	Fixed Income Securities	[2-0-0:2]
FINA 554	Recent Innovations in the Derivatives	[2-0-0:2]
FINA 555	Analysis of Fixed Income Derivatives	[2-0-0:2]
FINA 598	Financial Engineering Seminars	[4-0-0:4]
FINA 690	Special Topics	[2-4 credits]

3. SB&M Electives: 3 credits of elective courses offered by any SB&M departments (i.e. ACCT, ECON, FINA, ISMT, MARK and MGTO)

A sample course schedule for the MBA/MSc in Investment Management dual degree program is as follows:

	Fall	Winter	Spring	Summer
Year 1	ACCT 510 ACCT 521 ISMT 551 (1) MGTO 521	ACCT 562	ECON 511 ISMT 502 MGTO 523	FINA Electives (FINA 512 recommended) LANG 502
	Total: 9 credits	Total: 2 credits	Total: 8 credits	Total: 5 credits
Year 2	FINA 521 MARK 512		FINA 513 FINA 551 FINA Electives	MGTO 541 SB&M Electives
	Total: 7 credits		Total: 8 credits	Total: 6 credits
Year 3	ISMT 561 FINA Electives		FINA Electives	
	Total: 7 credits		Total: 8 credits	

(1) This is a two-credit residential course which includes an experiential learning program and is normally held in mid-August prior to the start of the Fall semester.

Graduation Requirements

Both the MBA/MSc(ISM) program and the MBA/MSc(IM) program require a minimum of 60 credits to complete. It normally takes 36 months to complete the course requirements.

Degrees Awarded

Students will be awarded two degrees upon successful completion of the dual degree program:

- an MBA degree and an MSc in Information Systems Management degree; or
- an MBA degree and an MSc in Investment Management degree.

Master of Science (MSc) Program in Electronic Commerce Management

With the evolution of the digital economy, there is a strong demand for a high quality program on electronic commerce management at the master's degree level. Many MBA graduates who have gone through a general management training see the need to better equip themselves with knowledge in this area. By combining what they have learnt in the MBA program and the specialized knowledge in electronic commerce, they will be able to stay competitive in the new economy.

The Master of Science Program in Electronic Commerce Management (MScECM) aims to prepare professionals who have already gone through a general management training for career advancement within the field of electronic commerce or to develop a career in this area. Students will gain fundamental and advanced training in the core skills of the field, and an education in advanced management knowledge as applied to the electronic commerce management business organizations.

Program Faculty

Program faculty is drawn mainly from the Department of Information and Systems Management, supplemented by faculty from other departments within the School of Business and Management. Our faculty members are among the top scholars in the world. All of the senior faculty members have extensive teaching and research experience in major business schools in Europe and North America.

Target Students

This program is targeted at middle to senior level executives with an MBA degree prerequisite. They should have already received general management training but need new knowledge and skills in electronic commerce for their further career development. They may have already been involved in the e-business or are exploring opportunities. Target student intake is 40 per annum.

Admission Requirements

Applicants for admission to the program must hold an MBA degree from an approved institution and have at least 5 years of post first-degree work experience. Students have to attend an interview before being admitted to the program.

Program Fee

For the 2001-02 intake, the tuition fee for the entire program is \$115,500 payable in two equal installments, the first before the commencement of the program and the second before June 2002.

Graduation Requirements

Students are required to take a total of 30 credits of compulsory courses to fulfill the degree requirements.

ECMT 510	Economics of Information	[1-0-0:1]
ECMT 511	eCommerce and Information Strategy	[3-0-0:3]
ECMT 521	Residential Team Building	[1-0-0:1]
ECMT 522	eBusiness Transformation	[1-0-0:1]
ECMT 523	eBusiness Alliances	[1-0-0:1]
ECMT 524	Developing eBusiness Plans	[1-0-0:1]
ECMT 528	Computer and Internet Security Management	[3-0-0:3]
ECMT 529	eCommerce Legal and Policy Issues	[1-0-0:1]
ECMT 532	eCommerce Fundamentals	[3-0-0:3]
ECMT 533	B2B eCommerce	[2-0-0:2]
ECMT 535	Introduction to EC Programming	[2-0-0:2]
ECMT 536	Advanced Internet Programming	[3-0-0:3]
ECMT 537	eCommerce Finance	[1-0-0:1]
ECMT 538	eCommerce Valuation	[1-0-0:1]
ECMT 541	eAdvertising and ePromotion	[1-0-0:1]
ECMT 542	eRetailing and Marketspace	[1-0-0:1]
ECMT 543	eBusiness Marketing	[1-0-0:1]
ECMT 563	eCommerce Distribution	[1-0-0:1]
ECMT 564	Supply Chain Management	[1-0-0:1]
ECMT 641	eBusiness Executive Seminar Series	[1-0-0:1]

The program can be completed in 20 months in a part-time study mode. Classes will mainly be held on Saturdays on campus.

A sample course schedule for the program is as follows:

	Summer	Fall	Winter	Spring
Year 1	ECMT 521	ECMT 522	ECMT 510	ECMT 511
	ECMT 532	ECMT 523	ECMT 529	ECMT 533
		ECMT 537		ECMT 563
		ECMT 538		
		ECMT 541		
	ECMT 542			
	Total = 4 credits	Total = 6 credits	Total = 2 credits	Total = 6 credits
Year 2	ECMT 528	ECMT 536	ECMT 524	
	ECMT 535	ECMT 543		
		ECMT 564		
		ECMT 641		
	Total = 5 credits	Total = 6 credits	Total = 1 credit	

MPhil/PhD Programs

The Master of Philosophy (MPhil) and Doctor of Philosophy (PhD) degree programs in the School of Business and Management are research-oriented and prepare students for a teaching and research career in universities, research institutes, governmental or business organizations. The programs have a global perspective with a focus on the Asia-Pacific region. In the academic year 2001-02, the programs will cover accounting, economics, finance, information systems, management of organizations, operations management, and marketing.

Admission Requirements

Applicants for admission to the MPhil and PhD programs are expected to possess a first degree from an approved university or institution. In addition, an applicant must demonstrate capability for graduate studies by obtaining a satisfactory score in the Graduate Management Admission Test (GMAT), or Graduate Record Examination (GRE), or other equivalent test. For applicants who attended educational institutions where the language of instruction was not English and whose first language is not English, a satisfactory score in the Test of English as a Foreign Language (TOEFL) is required. Individual departments may also impose requirements on prior educational background and/or experience. Part-time students who remain employed during their study must demonstrate commitment to the MPhil and PhD programs at the time of application by providing evidence of commitment from their employers.

Requirements for MPhil Programs

(a) Introductory Quantitative Requirements

Unless they have clearly demonstrated sufficient knowledge, entering MPhil students are required to take the following two mathematics-oriented courses in the "zeroth summer", the summer that precedes the first semester of study.

ECON 510 Mathematics for Business and Economics; and
ISMT 581 Introduction to Probability

The credits earned from ECON 510 and ISMT 581 are not counted toward the graduation requirements.

(b) Common Core Requirements

Each student must take two common core courses:

ISMT 582 Statistical Methods for Business and Economics I

AND one of the following:

ISMT 583 Statistical Methods for Business and Economics II

ECON 530 Econometrics

ECON 513 Microeconomic Analysis

ECON 521 Microeconomic Theory I

MGTO 710 Behavioral Science

(c) Minimum Course Requirements

Each student is required to take at least 18 credits, with at least 6 credits of MPhil/PhD level courses in the major field.

(d) Thesis Requirement

Each student must complete a thesis under the supervision of a thesis committee of three faculty members, one of whom is designated the thesis supervisor and committee chairperson.

Requirements for PhD Programs

In addition to University regulations, the requirements for the PhD programs are:

(a) Introductory Quantitative Requirements

Unless they have clearly demonstrated sufficient knowledge, entering PhD students are required to take the following two mathematics-oriented courses in the "zeroth summer", the summer that precedes the first semester of study.

ECON 510 Mathematics for Business and Economics; and
ISMT 581 Introduction to Probability

The credits earned from ECON 510 and ISMT 581 are not counted toward the graduation requirements.

(b) General Management Requirements

Students who do not have an MBA or equivalent are required to take at least three of the following MBA-level courses. Students with a BBA degree could seek course exemptions from the PhD Director if they have demonstrated successful attainment on similar courses.

	ACCT	500	Accounting Foundations
	FINA	512	Corporate Finance
or	FINA	521	Investment Analysis and Portfolio Management
	ISMT	561	Operations and Technology Management
	MARK	512	Marketing Strategy and Policy
	MGTO	523	Management of Organizations

(c) Common Core Requirements

Each student must take four common core courses regardless of his/her major field, including:

- i) ECON 513 Microeconomic Analysis; or
ECON 521 Microeconomic Theory I
- ii) ISMT 582 Statistical Methods for Business and Economics I
- iii) And two of the following:
 - ECON 522 Microeconomic Theory II
 - ECON 530 Econometrics; or
ISMT 583 Statistical Methods for Business and Economics II
 - ISMT 553 Multivariate Data Analysis
 - MGTO 714 Doctoral Seminar in Behavioral Research Methods

(d) Major Field Requirements

Each student is required to take at least nine credits of PhD level courses in the major field.

(e) Minimum Course Requirements

Each student is required to take at least 36 credits overall, with a minimum of 15 credits of PhD level courses excluding the common core requirements.

(f) Major Field Examinations

Full-time students must make the first attempt by the end of the second year, and part-time students must make the first attempt by the end of the third year, unless a later date is approved by the department.

(g) Research Paper Requirement

Full-time (part-time) students have to submit research proposals to the PhD coordinator by the end of the second (third) year, and no later than their first attempt of major field examination, and prepare and present the paper by the end of the third year (fourth year). The paper must be approved by two faculty members of the student's major department.

(h) Thesis Requirement

The student should form a thesis committee to direct his/her thesis research. A thesis proposal presentation will be scheduled only after the thesis committee concludes that a suitable topic has been chosen and a sufficient amount of preliminary work has been completed. Once the thesis proposal is approved, the student is then admitted to candidacy and can proceed to complete the thesis in accordance with the agreement. The student has to give a final oral defense of thesis before a committee of five members set up according to University regulation.

Enquiries

Enquiries about admission, financial assistance, course requirements and research speciality should be addressed to the department concerned.