

# Programmes

----- Please choose items -----

## Taught Postgraduate Programmes (Self-financing)

- Application
- Printed version
- Leaflet

**NEW** Late applications

### MSc Electronic & Information Engineering with Business Management (MSEIE with BM)

電子及資訊工程學暨工商管理理學碩士 **NEW**

### MSc Electronic & Information Engineering (MSEIE)

電子及資訊工程學理學碩士

### PGD Electronic & Information Engineering (PGD-EIE)

電子及資訊工程學深造文憑

### PGC Networking & Information Engineering (PGC-NIE)

網絡及資訊工程學深造證書

#### Optical Communications (PGC-OC)

光通訊深造證書

#### RF Circuits & Applied Electromagnetics (PGC-RFC&AE)

射頻電路設計及應用電磁學深造證書

#### Wireless Communications (PGC-WC)

無線通訊深造證書

### Certificates in any specialised elective courses

**Start dates:** Summer Term

12 June 2006

Semester A

4 September 2006

Semester B

15 January 2007



General Information	MSEIE with BM	MSEIE	PGD-EIE*	PGC	Certificate
Programme Code	P54	P54	<i>See below*</i>	P54-C	N.A.
How to get in	A recognized degree or an equivalent qualification				
Credit units					

<b>(CUs) required</b>	36	30	24	12	3
<b>Normal Duration #</b>	Full-time/Part-time: 1–5 years			Full-time/Part-time: 1–2 years	One Semester
<b>Fee per course</b>	HK\$7,140 (\$2,380 per credit unit)				
<b>Total Programme Fee</b>	HK\$85,680	HK\$71,400	HK\$57,120	HK\$28,560	HK\$7,140

\* **PGD** : Students who have obtained 24 credit units and fulfilled the requirements shall apply in writing for the conferment of the PGD award as an intermediate award.

### #Express routes (Students can obtain the MScEIE within 1 year) :

	<b>Summer</b>	<b>Semester A &amp; B</b>
Option 1	2 elective courses	8 elective courses
Option 2	2 elective courses	5 elective courses + dissertation (9 credits)

### #Express routes (Students can obtain the MScEIE with BM within 1 year) :

	<b>Summer</b>	<b>Semester A &amp; B</b>
Option 1	2 elective courses	10 elective courses
Option 2	2 elective courses	7 elective courses + dissertation (9 credits)

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## Programme Aim

The programme aims to provide an enhancement of specialist technical knowledge in strategically selected areas, such as wireless communications, applied electromagnetics, teletraffics, data communications and digital entertainments that are relevant to the current and anticipated future needs from industry. Due to the rapid advances of existing technologies, the programme is designed for

practicing engineers who want to upgrade and update their knowledge in this field.

The programme also offers a good selection of business management electives, preparing engineers with knowledge on top of their technical fronts to take up managerial positions in their career.

## Programme Structure

**\*\* Multiple exit awards and re-entry routes \*\***

Entry/Exit * routes	Credits gained on exit	Re-entry routes	
		To	Maximum allowable credit transfer #
Certificate	3 CUs	PGC/ PGD/ MSc	100%
PGC	12 CUs	<ul style="list-style-type: none"> <li>• PGD / MSc</li> <li>• Another PGC</li> </ul>	<ul style="list-style-type: none"> <li>• 100%</li> <li>• 50%</li> </ul>
PGD	24 CUs	MSc	100%
MSc	30 CUs	MSc with BM	50 %
MSc with BM	36 CUs		N.A.

\* *Students who cannot complete an award they have entered for may be eligible for a lower level of award provided that they have fulfilled the requirements of that award.*

# *Grades from transferred credits may be counted in the calculation of a student's GPA for the award being pursued.*

## What will you be studying?

**MSEIE with BM:** Students must complete a total of 36 CUs of which at least 12 CUs must be Business Management (BM) elective courses (denoted by sign # on the list below). A minimum of 21 CUs must be EE elective courses where at least 6 CUs must be information engineering related courses (denoted by an asterisk \* on the list below). In addition, no more than 9 CUs can be obtained from Level 5 technical elective courses.

**MSEIE:** Students must complete a total of 30 CUs for the award. A minimum of 21 CUs must be EE elective courses and at least 6 CUs must be information engineering related courses. In addition, no more than 9 CUs can be obtained from Level 5 technical elective courses.

**PGD:** Students who have earned **24 CUs** (at least 15 CUs of EE taught courses; no less than 6 CUs of information engineering related courses; and no more than 9 CUs of level 5 technical elective courses) but do not intend to complete the full programme may apply in writing for conferment of the PGD award.

**PGCs:** Students are required to complete a total of **12 CUs** of EE elective courses selected from the relevant topics listed below, where no more than 6 CUs can be earned from Level-5 courses. Students may apply to transfer to the MSEIE programme, with credit transfer, after satisfactory completion of at least 6 CUs required in the PGC programme.

**Certificate courses:** Students are required to take **3 CUs** of any level 5 or level 6 EE electives listed below. Students with a minimum attendance of 75% and a Grade Point of 2.0 will be issued a certification of Completion. Students with a minimum attendance of 75%, but not taking any assessment or with a Grade Point of less than 2.0, will be issued a Certificate of Attendance.

**Elective courses available** (3 credit units each, except for Dissertation) :




[Tentative Timetable for 2007/08](#)

[Tentative Timetable for Summer 2007](#)

[Timetable for 2006/07](#)

The following electives will be offered subject to a minimum enrollment of 15 students. In addition, 6 CUs must be information engineering related courses (denoted by an asterisk \* on the list below) and no more than 9 CUs can be obtained from level 5 courses.

<b>Course code</b>	<b>Course title</b>	<b>MSEIE with BM MSEIE PGD-EIE</b>	<b>PGC- NIE</b>	<b>PGC- WC</b>	<b>I RF</b>
EE5412*	Telecommunication Networks	✓	✓	✓	
EE5413*	Advanced Internet Technologies	✓	✓		
EE6453* EE6603*	Mobile Communication and Networks I & II	✓ ✓	✓ ✓	✓ ✓	
EE6602*	Advanced Digital Transmission of Information	✓	✓	✓	
EE6412*	Signaling, Switching and Routing in Telecommunication Networks	✓	✓		
EE6413*	Advanced Topics in Networking Technologies	✓	✓		
	Radio Frequency (RF) Circuit				

EE6426	Engineering	✓		✓	
EE6433	Advanced Topics in Microwaves & Electromagnetics I & II	✓			
EE6434		✓			
EE5601	Radio Frequency and Microwave Techniques	✓			
EE5602	Active Radio Frequency and Microwave Techniques	✓			
EE5603	Passive Radio Frequency and Microwave Techniques	✓			
EE6425	Fundamentals of Radio Frequency (RF) Circuit Engineering	✓		✓	
EE6449	Electromagnetic Compatibility - EMC Theory, Design & Measurement	✓			
EE6424	Fibre-optic Sensor Systems and Applications	✓			
EE6428	Optical Communications	✓			
EE6429	Fibre and Integrated Optics	✓			
EE6604	Optical Communication Systems Design	✓			
EE5410	Signal Processing	✓			
EE5430	Advanced CMOS Technology	✓			
EE5431	Evolutionary Computing	✓			
EE5805*	Java Programming and Applications	✓			
EE5806*	 Digital Image Processing	✓			
EE5808*	 Engineering Techniques for Computer Graphics	✓			
EE5809*	Digital Audio Technology	✓			
EE5815*	Security Technology	✓			
EE6427	Modern Power Electronics	✓			
EE6430	Discrete-Time Control Systems	✓			
EE6431	VLSI Design & Yield Optimization	✓			
EE6450	Advanced Topics in Engineering I & II	✓			
EE6451		✓			
EE6452*	Introduction to Fuzzy Informatics and Intelligent Systems	✓			
EE6605*	Complex Networks : Modeling, Dynamics and Control (subject to approval)	✓			
EE6802	Advances in Digital Signal Processing	✓			
EE6805*	 Video and Speech Compression	✓			
CS5351*	Software Engineering I & II	✓			
CS5382*		✓			
EF5010#	Economics for Business	✓			
EF5042#	Corporate Finance	✓			
MEEM6009#	Project Management	✓			
MEEM6012#	Management of Technological Innovation	✓			

MEEM6037# 	Managing Strategic Quality	✓			
MEEM6044# 	China Engineering Enterprise Management	✓			
MGT5313#	International Organizational Behavior	✓			
MGT5510#	International Business and the Global Business Enterprise	✓			
MGT5516#	Managing Innovation and Technology Globally	✓			
MGT6202#	Leadership: Managing in Adverse Situations	✓			
MGT6314#	Global Human Resource Management	✓			
MGT6503#	Comparative Management: Asian Perspectives	✓			
MGT6511#	Emerging Issues in Multinational Strategic Management	✓			
FB5601#	Principles of Marketing	✓			
FB5632#	e-Marketing and Customer Relationship Management	✓			
FB6603#	Consumer Behavior	✓			
FB6622#	Services Marketing	✓			
MS5220#	Management Science	✓			
MS5312#	Business Statistics	✓			
EE6680	Dissertation (9 CUs)	✓			

\* **Information Engineering (IE) related course - MSc and PGD students are required to take at least 6 CUs of IE related courses.**

# **Business Management (BM) elective course – MScEIE with BM students are required to take at least 12 CUs of BM electives. <Implementation: Sem A 2006/07>**



**Reimbursable Courses under Continuing Education Fund.**

## How do you get in ?

- A degree of one of the universities in Hong Kong or an overseas institution recognized for this purpose by the University; OR
- An equivalent qualification, or provided evidence of academic and professional attainment acceptable for this purpose by the university.

## Application periods and forms

**Application for admission in June 2007 (Summer Term) or September 2007 (Semester A) starting from 8 December 2006**

- ◆ Click [here](#) to download application form for local applicants (Application fee HK\$200)
- ◆ Click [here](#) to download application form for non-local applicants (Application fee HK\$)
- ◆ Click [here](#) to apply on line for both local and non-local applicants (Application fee HK\$)
- ◆ Click [here](#) to download programme brochure

## Did you know ?

### ➤ **CityU-EE Boasts 7 FIEEE**

CityU-EE now boasts 7 Fellows of The Institute of Electrical and Electronics Engineers (FIEEE), a record for a single academic department in Hong Kong. Moreover, many EE students and graduates have received numerous local, regional and international awards for their outstanding performance. CityU came first again in the total grant awarded in the "Electrical and Electronic Engineering" discipline in the 2006-07 Competitive Earmarked Research Grant exercise supported by the Research Grants Council. Click [here](#) for Student Achievements for more information. Join us and you can become a winner too!

### ➤ **Winners of Teaching Excellence Awards**

Five of our professors have won CityU's Teaching Excellence Award since its inception in 1994. CityU-EE also received highly favourable comments from the University Grants Committee in the 2003 Teaching and Learning Quality Process Review.

### ➤ **CityU Ranks 154 Worldwide**

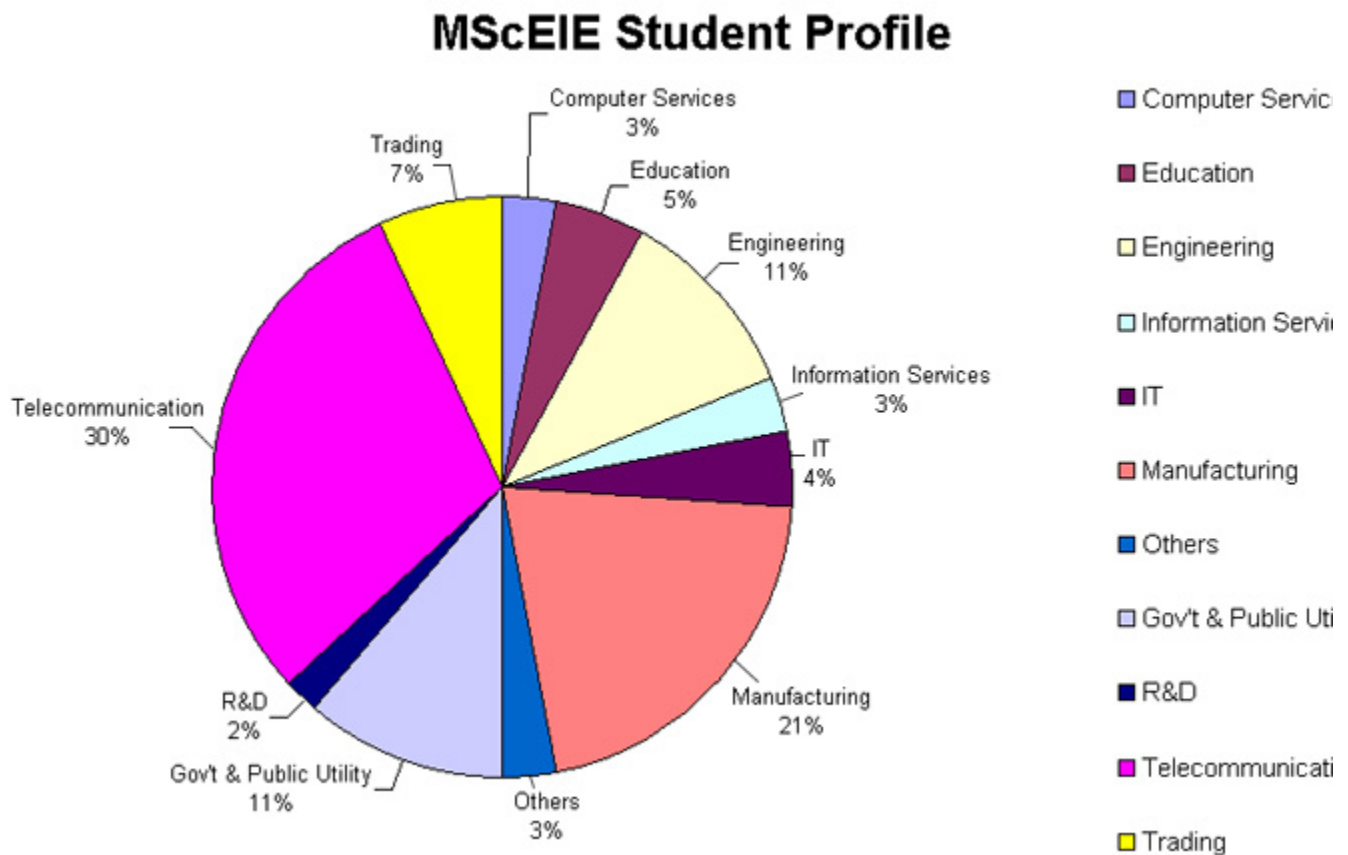
CityU has shot up the rankings of the world's most prestigious educational institutions . According to The Times Higher Education Supplement 2006, CityU ranks 154 among the world's top 200 universities. Being one of the only four Hong Kong universities included in the top 200, CityU is also one of the top 10 universities in the Greater China Area. CityU has broken into the list of the top 100 technology universities since 2005 and ranks 85 in 2006, a jump of 5 places within a year.

### ➤ **Good Connections with Industry**

- ✓ Established Six CityU associated companies:
  - [CityCom Technology Ltd.](#) (distributed intelligent automation system using wireless and broadband technologies)
  - [e.Energy Technology Ltd.](#) (high performance energy-saving products)
  - Pearl Technologies Ltd. (underwater systems and robotics)
  - [Shenzhen Goldradio Communications Co Ltd.](#) (antennas, microwave components and sub-systems)
  -

- TeleEye Holdings Ltd. (remote video monitoring systems)
  - Yantai HiGain-HiTech Company Ltd. (base-station antennas for cellular communications)
- ✓ Collaborations with over 60 corporations in Hong Kong and Mainland China:
- Applied research
  - Consultancy
  - Industrial attachment scheme and co-operative education scheme for students

## Student profile



## Programme Management Team

Programme Leader:	Dr Peter S W Leung
Associate Programme Leader:	Prof Keith Zhang
Admission Tutor:	Dr Y T Chow
Executive Officer:	Miss Jenny Lim Tel: (852) 2788 9399 Email: <a href="mailto:lhyjenny@cityu.edu.hk">lhyjenny@cityu.edu.hk</a>

## Enquiries

### Department of Electronic Engineering

Tel: (852) 2788 7134 (Mrs Cheung); (852) 2788 9399 (Miss Jenny Lim)

Fax: (852) 2788 7791; (852) 2788 7227

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

### Admissions Office

Tel: (852) 2788 9094

Fax: (852) 2788 9086

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

Website: <http://www.cityu.edu.hk/prospectus/>

### School of Continuing and Professional Education

Tel: 2788 7423

Fax: (852) 2788 7088; (852) 2788 7569

Website: <http://www.cityu.edu.hk/cityu/dpt-acad/scope.htm>

## Financial Assistance

Successful applicants are eligible to apply for the Government's Non-means Scheme. Application forms are obtainable from District Office and the Student Assistance Agency.

Enquiries: 2150 6223

Website: <http://www.info.gov.hk/sfaa/>

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