

## MSc Multimedia Information Technology with Business Management (MSMIT with BM)

多媒體資訊科技暨工商管理學碩士

## MSc Multimedia Information Technology (MSMIT)

多媒體資訊科技理學碩士

## PGD Multimedia Information Technology (PGD-MIT)

多媒體資訊科技深造文憑

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	<b>MSMIT with BM</b>	<b>MSMIT</b>	<b>PGD-MIT</b>
<b>Entrance Requirements</b>	A recognized BSc or BEng degree in related disciplines such as Information Technology, Information Engineering, Computer Science, Computer Engineering, Electronic / Electrical Engineering, Information Systems, Applied Mathematics and Applied Physics <b>OR</b> equivalent academic and professional qualification		
<b>Credit units (CUs) required</b>	36	30	24
<b>Normal Duration</b>	Full-time : 1 year Part-time : 2 years		
<b>Maximum Period of Study</b>	Full-time : 2.5 years Part-time : 5 years		
<b>Fee per course</b>	Local Students: HK\$8,520 (\$2,840 per credit unit), Non Local Students: HK\$10,050 (\$3,350 per credit unit)		
<b>Total Programme Fee</b>	Local Students: HK\$102,240 Non Local Students: HK\$120,600	Local Students: HK\$85,200 Non Local Students: HK\$100,500	Local Students: HK\$68,160 Non Local Students: HK\$80,400

\* Note: MSc students who cannot complete the MSc program may apply in writing for the conferment of the PGD award provided that they have obtained 24 credit units. Please continue to check here for more programme information.

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### Programme Aim

The Master of Science in Multimedia Information Technology is a taught postgraduate engineering programme specialized in the processing, storage, retrieval, communication and visualization of multimedia information.

The programme provides well-structured training for IT professionals who want to keep abreast with the dynamics in multimedia and information technology. It aims at equipping students with in-depth knowledge of the state-of-the-art multimedia information technology and the necessary skills to meet the needs from the community. On completion of the programme, students with different technical backgrounds and aspirations can:

- have a strong theoretical foundation in multimedia systems and applications, mobile computing, Internet computing and networking;

- acquire analytical ability that enables them to conduct high-level research and development in the rapidly changing IT industry;
- enhance their capacity to continue professional and career development

## Programme Intended Learning Outcomes

With the global trend towards the adoption of the outcomes based approach to education, City University embarked on the Outcomes-based Teaching and Learning (OBTL) project in 2005 to signify its determination to continue to enhance the education experience for its students. All taught postgraduate programmes and courses of EE have adopted this outcomes based approach since 2009, with some of them in pilot runs in earlier years. Sets of intended learning outcomes on both course level and programme level have been developed. Course Intended Learning Outcomes (CILOs) of individual courses and their constructive alignment with programme outcomes can be found in respective course syllabuses while Programme Intended Learning Outcomes (PILOs) are listed below for students' reference:

1. An ability to describe current and anticipated trends in the selected areas including the processing, storage, retrieval, communication and visualization of multimedia information.
2. An ability to evaluate and analyze new technologies in the selected areas.
3. An ability to apply specialist knowledge in the selected areas.
4. An ability to assess, evaluate and formulate solutions to problems or specifications, in the selected areas.
5. Research and develop new technologies and products in the selected areas.
6. Apply effective communication skills in their professions.
7. An ability to manage teams of technologists with good senses of business and marketing (BM option only).

## What will you be Studying ?

### MSMIT with BM

Students must complete a total of 36 CUs of which :

- At least 6 CUs of EE core courses
- At least 15 CUs of technical elective courses (Group I+II) where no more than 9 CUs of Group II electives
- At least 12 CUs of BM electives
- Minimum 18 CUs of EE courses

### MSMIT

Students must complete a total of 30 CUs of which :

- At least 6 CUs of EE core courses
- At least 15 CUs of technical electives courses (Group I + II) where no more than 9 CUs of Group II electives
- No more than 6 CUs of BM electives
- Minimum 18 CUs of EE courses




### PGD - Intermediate Award

Students who have earned 24 CUs and fulfilled the following programme requirements may apply in writing for conferment of the PGD award if they do not intend to complete the full programme.






- At least 6 CUs of EE core courses
- At least 12 CUs of technical elective courses (Group I + II) where no more than 9 CUs of Group II electives
- No more than 3 CUs of BM electives
- Minimum 15 CUs of EE courses

### Elective course available (3 credit unit each, except for Dissertation)


**Core Courses (Students should take at least 2 out of 3 core courses):**

<b>Course code</b>	<b>Course title</b>	<b>Credit Unit</b>
<a href="#">EE5806</a>	Topics in Image Processing 	3
<a href="#">EE5808</a>	Topics in Computer Graphics 	3
<a href="#">EE5809</a>	Digital Audio Processing and Applications 	3



**Group I Technical Electives**

<b>Course code</b>	<b>Course title</b>	<b>Credit Unit</b>
<a href="#">CS6175</a>	Virtual Reality and Game-Engine Technologies 	3
<a href="#">CS6223</a>	Distributed Systems	3
<a href="#">CS6282</a>	Internet and Distributed Systems Programming	3
<a href="#">CS6472</a>	Advanced Multimedia Database	3
<a href="#">CS6482</a>	Topics on Data Engineering	3
<a href="#">CS6483</a>	Mobile Multimedia Systems	3
<a href="#">EE5410</a>	Signal Processing	3
<a href="#">EE6610</a>	Queueing Theory with Telecommunications Applications	3
<a href="#">EE6611</a>	Directed Studies for Taught Postgraduate Students	3
<a href="#">EE6613</a>	Green Electronics-Theory, Eco-design, Experiments and Applications 	3
<a href="#">EE6614</a>	Reliability Engineering in Electronics Industry 	3
<a href="#">EE6802</a>	Advances in Digital Signal Processing	3
<a href="#">EE6803</a>	Advanced Topics on Computer and Information Technology	3
<a href="#">EE6804</a>	Networked Multimedia 	3
<a href="#">EE6805</a>	Video and Speech Compression 	3
<a href="#">EE6680</a>	Dissertation	9
<a href="#">SM5304</a>	Animation : Principles and Practice	3
<a href="#">SM5306</a>	Cinematic Arts Workshop	3
<a href="#">SM5307</a>	Digital Media and Moving Images	3

**Group II Technical Electives**

<b>Course code</b>	<b>Course title</b>	<b>Credit Unit</b>
<a href="#">CS5275</a>	High Speed Multimedia Networks	3
<a href="#">CS5284</a>	Mobile Computing	3
<a href="#">CS5285</a>	Information Security for eCommerce	3
<a href="#">CS5367</a>	Computer Games Design 	3
<a href="#">EE5412</a>	Telecommunication Networks	3
<a href="#">EE5413</a>	Advanced Internet Technologies	3
<a href="#">EE5414</a>	Development and Design in Embedded Systems	3
<a href="#">EE5415</a>	Mobile Applications Design and Development	3
<a href="#">EE5805</a>	Java Network Programming	3
<a href="#">EE5811</a>	Topics in Computer Vision	3
<a href="#">EE5815</a>	Topics in Security Technology	3
<a href="#">EE6612</a>	Studies on Electronics Industry in Mainland China and Hong Kong	3

## Group III Business Management Electives

Course code	Course title	Credit Unit
<a href="#">CS6280</a>	Algorithms and Protocols for Internet Market	3
<a href="#">EE6612</a>	Studies on Electronics Industry in Mainland China and Hong Kong	3
<a href="#">EF5010</a>	Economics for Business	3
<a href="#">EF5042</a>	Corporate Finance	3
<a href="#">MGT5204</a>	Organizational Behaviour	3
<a href="#">MGT5205</a>	Strategic Management	3
<a href="#">MGT5313</a>	International Organizational Behaviour	3
<a href="#">MGT5316</a>	Human Resource Management	3
<a href="#">MGT5510</a>	International Business and the Global Business Enterprise	3
<a href="#">MGT5516</a>	Managing Innovation and Technology Globally	3
<a href="#">MGT6202</a>	Leadership: Managing in Adverse Situations	3
<a href="#">MGT6209</a>	High Performance Collaborations	3
<a href="#">MGT6314</a>	Global Human Resource Management	3
<a href="#">MGT6318</a>	Managing Employee Performance	3
<a href="#">MGT6503</a>	Comparative Management: Asian Perspectives	3
<a href="#">MGT6511</a>	Emerging Issues in Multinational Strategic Management	3
<a href="#">FB5632</a>	E-Marketing and Customer Relationship Management	3
<a href="#">FB6622</a>	Services Marketing	3
<a href="#">IS5414</a>	Analysis and Design of eCommerce Systems	3
<a href="#">MS5220</a>	Management Science	3
<a href="#">MS5312</a>	Business Statistics	3
<a href="#">MEEM/SEEM6037</a> 	Managing Strategic Quality	3
<a href="#">MEEM/SEEM6044</a> 	China Engineering Enterprise Management	3

*ΔWith effect from 1 July 2011, the former Department of Manufacturing Engineering and Engineering Management (MEEM) was re-organized and renamed to Department of Systems Engineering and Engineering Management (SEEM).*

 Reimbursable Courses under Continuing Education Fund

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**For the Programme Information of the current students, please visit the student page <http://www.ee.cityu.edu.hk/main/student/index.html> for details.**

**Maximum Period of Study (2010 cohort and after)**

**MSMIT with BM, MSMIT and PGD**

**Full-time : 2.5 years**

**Part-time: 5 years**

**How do you get in ?**

- possess a BSc or BEng degree in related disciplines such as Information Technology, Information Engineering, Computer Science, Computer Engineering, Information Systems, Electronic/Electrical Engineering, Applied Mathematics ( Preferably with a minor in computer science) and Applied Physics ( Preferably with a minor in computer science ).  
OR
- have obtained an equivalent qualification, or provided evidence of academic and professional attainments acceptable for this purpose to the University.

## Admissions

Application for admission in June 2012 (Summer Term) or September 2012 (Semester A) : starting from 15 November 2011

- Click [here](#) to apply on line application for both local and non-local applicants (Application fee HK\$300)
- Click [here](#) to download programme brochure

## Continuing Education Fund (For self-financing students only)

The CEF support is applicable to students in the self-financing mode only. The following courses have been included in the reimbursable course list of the Continuing Education Fund (CEF). Successful applicants can apply for reimbursement of up to 80% of the course fee, subject to a maximum ceiling of 4 claims and a maximum limit of HK\$10,000 within four years after the application is approved. Each claim can contain more than one course.

Course Code	Title	CEF Code	Name of Institution/ Course Provider	Institution Code	Offered in
<a href="#">EE5806</a>	Topics in Image Processing	28Z04745-A	City University of Hong Kong	005	Semester A, 2011/2012
<a href="#">EE5808</a>	Topics in Computer Graphics	28Z04742-5	City University of Hong Kong	005	Semester B, 2011/2012
<a href="#">EE5809</a>	Digital Audio Processing and Applications	28Z07313-2	City University of Hong Kong	005	Semester A, 2011/2012
<a href="#">EE6613</a>	Green Electronics-Theory, Eco-design, Experiments and Application (Module from Master of Science in Multimedia Information Technology)	22Z081635	City University of Hong Kong	005	Semester A, 2011/2012
<a href="#">EE6614</a>	Reliability Engineering in Electronics Industry (Module from Master of Science in Multimedia Information Technology)	22Z082399	City University of Hong Kong	005	Not offered in 2011/12
<a href="#">EE6804</a>	Networked Multimedia	28Z04743-3	City University of Hong Kong	005	Not offered in 2011/2012
<a href="#">EE6805</a>	Video and Speech Compression	28Z04744-1	City University of Hong Kong	005	Semester B, 2011/2012
<a href="#">CS5367</a>	Computer Games Design	28C04293-4	City University of Hong Kong	005	Semester B, 2011/2012
<a href="#">*MEEM/ SEEM6037</a>	Managing Strategic Quality	21Z04187-8	City University of Hong Kong	005	Semester A, 2011/2012
<a href="#">*MEEM/ SEEM6044</a>	China Engineering Enterprise Management	21Z04174-6	City University of Hong Kong	005	Not offered in 2011/2012

Remarks: Students will be notified via email if more courses are included in the reimbursement course list of CEF in the future.

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## Application Procedures

Please visit <http://www.sfaa.gov.hk/cef/> for guidelines and download the application form. Please note the following:

1. If you enrol in more than one CEF course, you are only required to submit your application once. Students who have already obtained approval in-principal for other courses previously need not apply again.
2. Tuition Fee (Sem A 2011-12):  
Since you are only required to pay the full tuition fee by 11 October 2011, please write down "HK\$8,010 (The payment due date for this course is 11 October 2011)" for each course at the "Actual Tuition Fees Paid" item in the application form.
3. Commencement Date:  
Please include the following information in the application form. The dates are for CEF application purpose only. You should check the class schedule of individual course for the exact date for attending classes.

For CEF courses commencing in Sem A: 29 August 2011

For CEF courses commencing in Sem B: 9 January 2012

4. The application form MUST be submitted to the CEF office before the course commencement. LATE APPLICATIONS WILL NOT BE ACCEPTED. The date of receipt of the application by the CEF Office will be taken as the date of application.
5. To ensure you can submit your application form to the CEF Office in time, you MUST:

### **EE Applications**

- Submit the application in person to Ms Susana Tsui of the EE General Office for certification (Rm G6322, Academic 1) OR;
- Drop in the "EE General Office" mail box adjacent to Lift 7, 6/F, Academic 1 out of office hours.

### Submission schedule

#### For the course commencing in Semester A 2011/12

1 - 5 August 2011 (9:00am - 12:15pm, 1:30pm - 6:30pm, Mon - Fri)

8 - 24 August 2011 (9:00am - 12:15pm, 1:30pm - 5:00pm, Mon - Fri)

25 - 26 August 2011 (9:00am - 12:15pm, 1:30pm - 7:30pm)

#### For the course commencing in Semester B 2011/12

12 -16 December 2011 (9:00am - 12:15pm, 1:30pm - 6:30pm, Mon - Fri)

19 December 2011 - 4 January 2012 (9:00am - 12:15pm, 1:30pm - 5:00pm, Mon - Fri)

5 - 6 January 2012 (9:00am - 12:15pm, 1:30pm - 7:30pm)

### **CS Applications**

- Please visit the CS website at <http://www.cityu.edu.hk/cityu/dpt-acad/fse-cs.htm> for application details.

### **MEEM/SEEM Applications**

- Please visit the MEEM/SEEM website at <http://www.cityu.edu.hk/seem-mbe/cef.htm> for application details.
6. You should then submit the application form, together with a copy of your HKID card, to the CEF office before the course commencement date.

### **Reimbursement Procedures**

1. To be able to obtain reimbursement from the CEF Office, you MUST satisfy ALL of the following completion requirements:
  - A minimum attendance rate of 75% (Students should sign on the attendance record during class)
  - At least 50% passing mark for the final course assessment
  - A receipt showing that you have settled the tuition fee before the due date
2. The EE General Office will send instructions for lodging claims to students via email in week 12.
  - Please complete the Reimbursement Claim Form provided by the CEF office in the approval-in-principle letter.
  - Then drop the **Reimbursement Form together with a self-addressed stamped envelope** into the Collection



companies or leading research establishments, located in Hong Kong, the US, Europe and Singapore. Examples of Internship in Summer 2011 are Georgia Institute of Technology (USA), University of Maryland (USA) and University of Montpellier 2 (France).

## Did you know?

### CityU-EE Boasts 13 FIEEE

CityU-EE now boasts 13 Fellows of The Institute of Electrical and Electronics Engineers (FIEEE), Fellowship of IEEE is regarded internationally as the main benchmark in this discipline for professional society recognition .

### 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 124 Worldwide

CityU has shot up the rankings of the world's most prestigious educational institutions . According to The Times Higher Education Supplement 2009, CityU ranks 124 among the world's top 200 universities. 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.

### 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

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## Programme Management Team

### MSc Programme Leaders:

[Dr Peter S W Leung](#) (MScEIE)  
[Dr Stanley C F Chan](#) (MScMIT)

### Associate Programme Leader (Admissions) :

[Dr Y T Chow](#)

### Associate Programme Leader (Credit transfer):

[Dr K L Chan](#)

### Admission Tutor:

[Dr Y T Chow](#)

### Executive Officer:

Miss Teresa Chow  
Tel: (852) 3442 7087  
Email: [lychow@cityu.edu.hk](mailto:lychow@cityu.edu.hk)

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## Enquiries

### Department of Electronic Engineering

Tel: (852) 3442 7719 (Ms Tsui); (852) 3442 7087 (Miss Teresa Chow)

Fax: (852) 3442 0562; (852) 2788 7227

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

**Admissions Office**

Tel: (852) 3442 5588

Fax: (852) 3442 0237

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

Website: <http://www.cityu.edu.hk/sgs/tpg/admission>

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**Financial Assistance**[Continuing Education Fund](#)

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

Enquiries: 2150 6223

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

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