

**Bachelor of Engineering (Honours) in
e-Logistics and Technology Management
Student Handbook (2012-2013)**

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August 2012

1. AIMS OF MAJOR

This Major aims to equip students with analytical, technical, managerial, and behavioural skills / knowledge in aspects of contemporary logistics and related technology in order to prepare them to play key professional and managerial roles in the global logistics industry amidst increasing and evolving challenges. Students will acquire a broad understanding of the concepts, techniques and tools in the subject domain to enable them to identify and tackle diverse problems with effective use of appropriate computing systems, technology and solutions in the logistics and related sectors.

Intended Learning Outcomes of Major (MILOs)

In CityU's Proposed Curriculum Structure of the 4-year Degree (VPUE), our "ideal graduates" are considered to be *adaptive, resilient, and team-oriented*. *They are competent professionals who combine rich professional knowledge with the broader skills and poise required for career success and leadership in the community.*

In this context, "ideal" BENG eLTM graduates should possess attributes as follows:

- Qualified competent professionals
- Proficient communicators, equipped with knowledge of a range of disciplines and skills, computer literacy and language proficiency
- Able to think quantitatively and analyze problems critically
- Confident to work in an international and culturally diverse environment and to take up broad responsibilities in the community
- Able and willing to continue to learn
- Able to appreciate the wider world of scholarship, and their own culture and history

BENG eLTM graduates are expected to attain specific Major Intended Learning Outcomes (MILOs) of being able to:

- Apply the concepts, techniques, and modelling tools in the subject domain to serve the logistics and related sectors
- Demonstrate inter-disciplinary knowledge and skills in logistics engineering and computing technology needed to cope with the dynamic nature of the industry
- Design systems, components, or processes to meet desired needs within realistic constraints, such as economic, environmental, social, political, ethical, health and safety, security, continuity and sustainability
- Function efficiently and effectively in multi-disciplinary teams
- Identify, formulate, solve logistics / systems / business problems, and undertake projects of discovery and innovation
- Understand the professional and ethical responsibility of their work
- Communicate effectively
- Understand the impact of systems, logistics and engineering solutions in a global, economic, environmental and societal context
- Recognise the need for and an ability to engage in life-long learning
- Be sensitive and sensible to contemporary issues
- Apply appropriate systems / logistics concepts, techniques, skills and tools in engineering and professional practice

2. DEGREE REQUIREMENT

2.1 Minimum Number of Credit Units Required for the Award

| Normative 4-year degree | Advanced Standing I (Note 1) |
|--|---|
| 120 Gateway Education: 30 College Requirement: 15 Major Requirement (Core+ Elective): 72 Free Elective: 3 | 96 Gateway Education: 21 College Requirement: 3 Major Requirement (Core+ Elective): 72 |

Note 1: For students with recognised Advanced Level Examinations or equivalent qualifications.

2.2 Gateway Education (Please refer to http://www.cityu.edu.hk/edge/ge/ge_requirements.htm.)

| | Normative 4-year Degree | Advanced Standing I |
|---|-------------------------|---------------------|
| English (Senate/68/A4R) | 6 credit units | 6 credit units |
| Chinese Civilisation – History and Philosophy | 3 credit units | 3 credit units |
| Area requirements: <i>A minimum of 3 credit units from each of the three areas below:</i> Area 1: Arts and Humanities Area 2: Study of Societies, Social and Business Organisations Area 3: Science and Technology | 21 credit units | 12 credit units |

2.3 English Attainment Requirement

(To be determined by Senate)

2.4 Chinese Language Requirement (Senate/70/A5R)

From 2012 cohort onwards, students are required to satisfy the Chinese Language Requirement as follow:

| | | |
|-------|---|-------------------------------|
| (i) | Students with an HKDSE score below 4 in Chinese, or an HKALE AS Chinese Language and Culture score below D | 3-credit unit Chinese course* |
| (ii) | Students with an HKDSE score of 4 or above in Chinese or an HKALE AS Chinese Language and Culture score D or above, or those who have successfully completed the 3-credit unit Chinese course | No requirement |
| (iii) | Students whose qualifications do not fall within (i) and (ii) above | No requirement |

*The 3 credit units of *the Chinese course* will NOT be counted towards the minimum credit units required for graduation and will NOT be included in the calculation of CGPA.

2.5 College/School Requirement, if any

Students of the College of Science and Engineering are required to earn 15 CU in fulfilment of the College requirements.

| Course Code | Course Title | Level | Credit Units | Remarks |
|--|--|-------|--------------|--|
| Normative 4-year Degree | | | | |
| Mathematics (6 credit units) | | | | |
| MA1200 / MA1300 | Calculus and Basic Linear Algebra I / Enhanced Calculus and Linear Algebra I | B1 | 3 | |
| MA1201 / MA1301 | Calculus and Basic Linear Algebra II / Enhanced Calculus and Linear Algebra II | B1 | 3 | |
| Computing (3 credit units) | | | | |
| CS1102 / CS1302 | Introduction to Computer Studies / Introduction to Computer Programming | B1 | 3 | |
| Science (6 credit units) <i>Choose two from the following three subject areas:</i> | | | | |
| <i>Physics</i> | | | | |
| AP1201 | General Physics I / | B1 | 3 | |
| <i>Chemistry</i> | | | | |
| BCH1100 | Chemistry | B1 | 3 | |
| <i>Biology</i> | | | | |
| BCH1200 | Discovery in Biology | B1 | 3 | |
| Advanced Standing I | | | | |
| MA1201* | Calculus and Basic Linear Algebra II | B1 | 3 | Students may also be required to take MA1200 as a prerequisite subject to the result of the MA placement test. |

* Alternatively, MA2176 Basic Calculus and Linear Algebra may be prescribed subject to the availability of the course.

2.6 Major Requirement (72 credits)

2.6.1 Core Courses (57 credit units)

| Course Code | Course Title | Level | Credit Units | Remarks |
|-------------|--|-------|--------------|--|
| CS2204 | Fundamentals of Internet Applications Development | B2 | 3 | |
| CS2360 | Java Programming | B2 | 3 | |
| CS3270 | Fundamentals of Computer Networks and the Internet | B3 | 3 | |
| CS3282 | E-Commerce Technology | B3 | 3 | |
| CS3354 | Software Engineering | B3 | 3 | |
| CS3371 | E-Logistics Application System | B3 | 3 | |
| CS3372 | Enterprise Systems Development | B3 | 3 | |
| CS3462 | Introduction to Database Systems | B3 | 3 | |
| MA2172 | Applied Statistics for Sciences and Engineering | B2 | 3 | |
| MBE2016 | Engineering Graphics | B2 | 3 | |
| SEEM2037 | Introduction to Logistics Industry | B2 | 3 | |
| SEEM3020 | Engineering Economic Analysis | B3 | 3 | |
| SEEM3027 | Logistics and Materials Management | B3 | 3 | |
| SEEM3056 | Engineering Management Principle and Practice | B3 | 3 | |
| MBE3066 | Material Handling and Tracking Technologies Workshop | B3 | 0 | |
| SEEM4026 | Systems Modelling and Simulation | B4 | 3 | |
| SEEM4051 | Facilities and Distribution Management | B4 | 3 | |
| SEEM4066 | Professional Engineering Practice | B4 | 3 | |
| JC4001 / | Project (e-Logistics and Technology Management) / | B4 | 6 | |
| SEEM4116 / | Capstone Project II / | B4 | 6 | |
| FS4004* | Overseas Research Internship Scheme | B4 | 9 | Students who have passed FS4004 can take one elective less to fulfill the Major requirement. |

* Students who have opted for FS4001 cannot register for FS4004. (Subject to approval).

2.6.2 Electives (15 credit units)

| Course Code | Course Title | Level | Credit Units | Remarks |
|-------------|--|-------|--------------|---|
| CS3345 | Object-Oriented Methodology | B3 | 3 | Group 1: e-Logistics <i>Must earn at least 6 credit units from B4 level courses in this group</i> |
| CS3356 | Managing Software Projects | B3 | 3 | |
| CS3382 | Web Usability Design & Engineering | B3 | 3 | |
| CS4280 | Advanced Internet Applications Development | B4 | 3 | |
| CS4284 | Mobile Computing | B4 | 3 | |
| CS4286 | Internet Security and E-Commerce Protocols | B4 | 3 | |
| CS4290 | Digital Media and Rights Management | B4 | 3 | |
| CS4295 | Mobile Application Programming | B4 | 3 | |

| | | | | |
|-----------------------|---|----|---|---|
| CS4384 | Data Analysis and Modelling Application Development | B4 | 3 | |
| CS4482 | Advanced Database Systems | B4 | 3 | |
| CS4483 | Data Warehousing and Data Mining | B4 | 3 | |
| CS4485 | Information Retrieval | B4 | 3 | |
| SEEM3034 | Work Design | B3 | 3 | Group 2: Logistics and Technology Management <i>Must earn at least 6 credit units from B4 level courses in this group</i> |
| SEEM3057 | Industrial Marketing for Engineers | B3 | 3 | |
| SEEM3060 | Operations Research | B3 | 3 | |
| SEEM3062 | Quality Engineering I | B3 | 3 | |
| SEEM4024 | Project Management | B4 | 3 | |
| SEEM4031 | Management of Technological Innovation | B4 | 3 | |
| SEEM4043 | Global Operations Management | B4 | 3 | |
| SEEM4047 [#] | Directed Studies | B4 | 3 | |
| SEEM4052 | Container and Air Cargo Management | B4 | 3 | |
| SEEM4055 | Aviation Management | B4 | 3 | |
| SEEM4056 | Airport Safety, Security and Business Continuity Management | B4 | 3 | |
| LW4636 | Shipping Law | B4 | 3 | Group 3: Capstone Project I |
| SEEM3116 | Capstone Project I | B3 | 3 | |

[#] only for special occasions

2.7 Optional Courses

| Course Code | Course Title | Credit Units | Remarks |
|-------------|-------------------------------------|--------------|-----------------------------|
| FS4001 | Co-operative Education Scheme (CES) | 8 | Internship (8 to 12 months) |
| FS4002 | Industrial Attachment Scheme (IAS) | 3 | Internship (9 to 12 weeks) |

2.8 Classification of Award

| Classification | CGPA |
|-----------------------|-------------------|
| 1 st Class | CGPA 3.5 or above |
| 2 nd Upper | CGPA 3.00 – 3.49 |
| 2 nd Lower | CGPA 2.50 – 2.99 |
| 3 rd Class | CGPA 2.00 – 2.49 |
| Pass | CGPA 1.70 – 1.99 |

3. ACADEMIC REGULATIONS AND GUIDELINES

Students should observe the University's academic regulations and guidelines at all times. More information can be available by referring to the following websites maintained by the Academic Regulations and Records Office (ARRO).

ARRO Homepage: <http://www.cityu.edu.hk/arro>

4. ACADEMIC HONESTY

Academic honesty is central to the conduct of academic work. Students are responsible for knowing and understanding the Rules on Academic Honesty. To enhance students' understanding on academic honesty, all students are required to complete a tutorial on academic honesty and make a declaration on their understanding of this core academic principle online on or before **30 November 2012** in order to access their course grades. For details, please refer to ARRO website: <http://www6.cityu.edu.hk/arro/content.asp?cid=73>.

5. COMMUNICATIONS

Listed below are the normal channels of communication between students and courses / Major / department:

- a) Students having difficulties in a course of study should first talk to the course teacher concerned.
- b) A student who wishes to discuss the overall organization of the Major should speak to the Major Leader.
- c) A student who wishes to discuss issues on a particular part of the Major should speak to the relevant Year Tutor.
- d) The Major's Joint Staff & Student Consultative Committee (JSSCC) helps facilitate consultation and communication. A student from each entry cohort will be elected to sit in the Committee.
- e) In addition, a student from each entry cohort will be elected to sit in the Major Committee which meets every semester to discuss Major-related matters.
- f) Students should feel free to approach their respective academic advisors for advice regarding their study plan or personal and career development.

6. MAJOR LEADERS AND YEAR TUTORS

| <u>Position</u> | <u>Staff Name</u> | <u>Tel/Email</u> |
|--|--------------------------|-----------------------------------|
| Major Leader: (Department of SEEM) | Dr. Richard Y. K. FUNG | 3442-8413 / meykfung@cityu.edu.hk |
| Deputy Major Leader: (Department of SEEM) | Dr. C. Y. DANG | 3442-8429 / mecdang@cityu.edu.hk |
| Deputy Major Leader: (Department of CS) | Dr. Ken C. K. LAW | 3442-8618 / cskckl@cityu.edu.hk |
| Year Tutors: | | |
| 2012-2013 cohort | Dr. C. Y. DANG (SEEM) | 3442-8429 / mecdang@cityu.edu.hk |
| 2011-2012 cohort | Dr. Donny LAI (CS) | 3442-9723 / donnylai@cityu.edu.hk |
| 2010-2011 cohort | Dr. Ken C. K. LAW (CS) | 3442-8618 / cskckl@cityu.edu.hk |

7. INFORMATION TO NEW STUDENTS

7.1 How to access your Personal Class Schedule

- i) Go to <http://www.cityu.edu.hk> from any terminal on campus or off campus.
- ii) Click “Students” and then log onto “e-Portal/Blackboard”.
If you have problems in logging in, please follow the instructions in “Having problems logging in?”.
- iii) Select “View Student Schedule” under the “Courses I am taking” box.
- iv) Press the “View Detail Schedule” button at the bottom of your timetable to display details of your class schedule.

7.2 How to get Instructors’ handouts through Blackboard

- i) Log onto the CityU e-Portal from any terminal on campus or off campus.
- ii) Enter the course under “My Courses”
- iii) Click “Current Semester Courses” or “Other Courses”.

7.3 How to check Major Requirement and Course Syllabuses

Log onto the CityU home page and click “Academic Programme”.

7.4 Course Registration for Semester A 2012-2013

For Semester A 2012-2013, students will be pre-registered in required courses and Major electives in most cases if possible.

- i) The date for release of your class schedule is **6 August 2012**. Please check your curriculum requirements, review your study plan and then make appropriate adjustments to your pre-registered courses.
- ii) Add/Drop of courses can be made through AIMS for web-enabled courses during the web registration period. For non-web-enabled courses, approval is required from the Major department and you can submit your change request by using the Add/Drop Form.

How to do the Add/ Drop:

- Go to <http://www.cityu.edu.hk> from any terminal on campus or off campus and click “Students”.
- Log onto “AIMS” and then click “Course Registration”.
- Choose “Add or Drop Classes”.

- iii) Web registration begins on **20 August 2012** but you need to check your time ticket first from “AIMS”.
- iv) All add/drops end on **15 September 2012**.
- v) Detailed arrangements on Course Registration for Semester A 2012-2013 will be posted by **6 August 2012**. For details, please refer to ARRO website:
<http://www.cityu.edu.hk/arro/crsreg/>.

7.5 How to access your Student Email Account

- i) Go to <http://www.cityu.edu.hk> from any terminal on campus or off campus and click “Students”.
- ii) Click “Email” and then “@student.cityu.edu.hk”.
- iii) Enter your student number as username and password.
- iv) Then you can read and compose mail.

Important notes:

1. For email communication, please state your student name, number and contact telephone number.
2. Always check and clear your email account, make sure it will not exceed quota (Max. 50M).

7.6 Course Exemption/Credit Transfer

Applications for course exemption or credit transfer must be made before the first semester of the student’s admission. Students granted course exemption are required to take other courses to make up the credits required for fulfilling the award requirements. For Semester A 2012-2013, the application period is from **9 July 2012 to 31 August 2012**. For details, please refer to ARRO website:
<http://www6.cityu.edu.hk/arro/content.asp?cid=10>.

7.7 Safety Orientation

All students are **REQUIRED** to complete the on-line Safety Orientation through the Departmental On-line Information System (IntraMEL). A Lab Tour session will be held by the Laboratory Office in week 1 of Semester A 2012-13 for interested students. Details of the session will be sent to you by e-mail.

7.8 Administrative Support from General Offices

Department of Systems Engineering and Engineering Management (SEEM)

SEEM General Office

Location: Room P6600, Purple Zone, Level 6
Academic 1, (Lift 1)

Normal Office Hours:

Mon to Fri 8:30am to 5:30 pm
Lunch Break 12:30pm to 1:45pm
Sat Closed

Extended Office Hours: (2 weeks before and after start of each semester)

Mon to Fri 8:30 am to 6:30 pm
Lunch Break 12:30pm to 1:45pm
Sat 9:00am to 12:00 noon

Inquiry: 3442-9321
Fax: 3442-0173
Email: seemgo@cityu.edu.hk

Department of Computer Science (CS)

Useful Web Sites

Department of Computer Science:
<http://www.cs.cityu.edu.hk>

Computer Science Laboratory:
<http://www.cs.cityu.edu.hk/cslab>

CS General Office

Location: Room Y6302, Yellow Zone, Level 6
Academic 1, (Lift 9)
Enquiries: 3442-8580
Fax: 3442-0503
E-mail: csadm@cityu.edu.hk
Locker: No. 50 (outside the Department of Computer Science)
Office Hours: Monday – Friday
9:00 a.m. – 12:30 p.m.
1:45 p.m. – 6:30 p.m.

Laboratories

Location: First Floor, Second Floor & Third Floor
Mong Man-Wai Building (Lift 18)
Enquiries: 3442-8689 or 3442-9496