

BACHELOR OF ENGINEERING IN
e-LOGISTICS AND TECHNOLOGY MANAGEMENT (BENG eLTM)

Student Handbook (2016-2017)

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Appendix I Model Study Path for BENG in e-Logistics and Technology Management Major:

- I.I Model Study Path for BENG eLTM 2015-2016 DSE Entry (normative 4-year) (non-CES mode)
- I.II Model Study Path for BENG eLTM 2015-2016 DSE Entry (normative 4-year)(Optional CES mode)
- I.III Model Study Path for BENG eLTM 2016-2017 Entry (Advanced Standing I) (non-CES mode)
- I.IV Model Study Path for BENG eLTM 2016-2017 Entry (Advanced Standing I) (Optional CES mode)
- I.V Model Study Path for BENG eLTM 2016-2017 Entry (Advanced Standing II) (non-CES mode)
- I.VI Model Study Path for BENG eLTM 2016-2017 Entry(Advanced Standing II)(Optional CES mode)

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, 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:

1. Apply knowledge of mathematics, science and engineering in the subject domain
2. Demonstrate inter-disciplinary knowledge and skills in logistics engineering and computing technology needed to cope with the dynamic nature of the industry
3. Function efficiently and effectively in multi-disciplinary teams
4. Design systems, components, or processes to meet desired needs within realistic constraints
5. Identify, formulate, solve logistics / systems / business problems, and undertake projects of discovery and innovation
6. Reflect the professional and ethical responsibility of their work
7. Communicate effectively
8. Explain the impact of systems, logistics and engineering solutions in a global, economic, environmental and societal context
9. Recognise the need for and an ability to engage in life-long learning
10. Stay abreast of contemporary issues
11. 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

Degree Requirement	Normative 4-year Degree	Advanced Standing I (Note 1)	Advanced Standing II (Senior-year Entry) (Note 2)
Gateway Education requirement	30 credit units	21 credit units	12 credit units
College/School requirement	6 credit units	waived	waived
Major requirement	75 credit units (Core: 60 Elective: 15)	75 credit units (Core: 60 Elective: 15)	51 credit units (Core: 42 Elective: 9)
Free electives / Minor (if applicable)	9 credit units	N/A	N/A
Minimum number of credit units required for the award	120 credit units	96 credit units	63 credit units
Maximum number of credit units permitted	144 credit units	114 credit units	84 credit units

Normal Period of Study

	Normative 4-year Degree	Advanced Standing I	Advanced Standing II (Senior-year Entry)
Normal period of study	4 years	3 years	2 years
Maximum period of study	8 years	6 years	5 years

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

Note 2: For Associate Degree/Higher Diploma graduates admitted to the senior year.

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

	Normative 4-year Degree	Advanced Standing I	Advanced Standing II (Senior-year Entry)
<u>University requirements</u>			
English			
• GE1401 University English	3 credit units	3 credit units	Not a compulsory requirement
• Discipline-specific English: GE2410 English for Engineering	3 credit units	3 credit units	3 credit units
GE1501 Chinese Civilisation – History and Philosophy	3 credit units	3 credit units	Not a compulsory requirement
<u>Distributional requirements</u>	12 credit units	6 credit units	3 credit units
Area 1: Arts and Humanities Area 2: Study of Societies, Social and Business Organisations Area 3: Science and Technology	<i>(At least one course from each of the three areas)</i>	<i>(From two different areas)</i>	
<u>College/School-specified courses</u> ^	9 credit units	6 credit units	6 credit units
Total	30 credit units	21 credit units	12 credit units

^College/School-specified courses for fulfilling the Gateway Education requirement

Course Code	Course Title	Level	Credit Units	Remarks
Normative 4-year Degree				
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	
CS1102/ CS1302*	Introduction to Computer Studies/ Introduction to Computer Programming	B1	3	*Subject to sufficient enrollments.
Advanced Standing I				
MA1200	Calculus and Basic Linear Algebra I	B1	3	Students exempted from MA1200 should take any other course(s) not within the Major Requirement (including core courses and electives) in order to meet the minimum curriculum requirement.
One 3-CU course not within the Major requirements (including Core Courses and Electives)			3	
Advanced Standing II (Senior-year Entry)				
Take any courses not within the Major requirement (including Core Courses and Electives)			6	

2.3 English Language Requirement

Normative 4-year degree students and Advanced Standing I students who passed the 6 credit units of specified GE English courses, and Advanced Standing II students who passed the 3 credit units of discipline-specific GE English course are recognized as fulfilling the University's English Language Requirement.

Students scoring below Level 4 in HKDSE English Language or Grade D in HKALE AS-level Use of English or students who do not possess an equivalent qualification are required to complete two 3-credit unit courses, ELO200A English for Academic Purposes 1 and ELO200B English for Academic Purposes 2, prior to taking the GE English courses. Students who demonstrate that they have achieved a grade B or above in their overall course results for ELO200A will achieve 3 credits and also be considered to have satisfied the pre-requisite for entry to the GE English courses without needing to take ELO200B. The credit units of ELO200A and ELO200B will not be counted towards the minimum credit units required for graduation and will not be included in the calculation of the cumulative grade point average (CGPA). However, they will be counted towards the maximum credit units permitted.

2.4 Chinese Language Requirement

Students scoring below Level 4 in HKDSE Chinese Language, or below Grade D in HKALE AS-level Chinese Language and Culture will be required to complete a 3-credit unit course CHIN1001 University Chinese I. The 3 credit units will not be counted towards the minimum credit units required for graduation and will not be included in the calculation of the cumulative grade point average (CGPA). However, they will be counted towards the maximum credit units permitted.

2.5 College/School Requirement, if any

Course Code	Course Title	Level	Credit Units	Remarks
Normative 4-year Degree (6 credit units)				
Science				
<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 (0 credit unit)				
College Requirement waived.				
Advanced Standing II (Senior-year Entry) (0 credit unit)				
College Requirement waived.				

2.6 Major Requirement

2.6.1 Core Courses

Normative 4-Year Degree and Advanced Standing I: 60 credit units

Advanced Standing II: 42 credit units (18 credit units are waived including courses CS2204, CS3270, CS3282, CS3402, MBE2016 and MBE3066)

Course Code	Course Title	Level	Credit Units	Remarks
CS2204	Fundamentals of Internet Applications Development	B2	3	Waived for students admitted into ASII. Exempted for students admitted into ASI*.
CS2360	Java Programming	B2	3	
CS3270	Fundamentals of Computer Networks and the Internet	B3	3	Waived for students admitted into ASII. Exempted for students admitted into ASI*.
CS3282	E-Commerce Technology	B3	3	Waived for students admitted into ASII.
CS3354	Software Engineering	B3	3	
CS3371	E-Logistics Application System	B3	3	
CS3372	Enterprise Systems Development	B3	3	
CS3402	Database Systems	B3	3	Waived for students admitted into ASII. Exempted for students admitted into ASI*.
MA2172	Applied Statistics for Sciences and Engineering	B2	3	
MBE2016	Engineering Graphics	B2	3	Waived for students admitted into ASII. Exempted for students admitted into ASI*.
MBE3066	Material Handling and Tracking Technologies Workshop	B3	3	Waived for students admitted into ASII.
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	
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	9	Students who have passed FS4004 or SEEM4116 will earn 63 credit units for core courses and can take one elective less to fulfil the major requirement.
FS4004 [^]	Overseas Research Internship Scheme			

[^] Students who have opted for FS4001 cannot register for FS4004.

2.6.2 Electives (15 credit units)

Normative 4-year Degree and Advanced Standing I: 15 credit units

Advanced Standing II: 9 credit units

(6 credit units are waived including courses SEEM3060 and SEEM4055. Students are required to earn 6 credit units in Group 1 and 3 credit units from B4 level courses in Group 2.)

Course Code	Course Title	Level	Credit Units	Remarks	Group
CS3356	Managing Software Projects	B3	3		Group 1: e-Logistics <i>Must earn at least 6 credit units in this group</i>
CS3382	Web Usability Design and Engineering	B3	3		
CS3481	Fundamentals of Data Science	B3	3		
CS3483	Multimodal Interface Design	B3	3		
CS4280	Advanced Internet Applications Development	B4	3		
CS4284	Mobile Computing	B4	3		
CS4286	Internet Security and E-Commerce Protocols	B4	3		
CS4295	Mobile Application Programming	B4	3		
CS4384	Data Analysis and Modelling Application Development	B4	3		
CS4480	Data-Intensive Computing	B4	3		
CS4482	Advanced Database Systems	B4	3		
CS4485	Information Retrieval	B4	3		
SEEM3034	Work Design	B3	3		
SEEM3057	Industrial Marketing for Engineers	B3	3		
SEEM3060	Operations Research	B3	3	Waived for students admitted into ASII.	
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	Waived for students admitted into ASII. Exempted for students admitted into ASI*.	
SEEM4056	Airport Safety, Security and Business Continuity Management	B4	3		
LW4636	Sea Carriage Law	B4	3		Group 3: Capstone Project I
SEEM3116	Capstone Project I	B3	3		

*15 credit units of Minor / Free Electives to make-up for the credits of the exempted courses

only for special occasions

Remarks: Course(s) under the major requirements may be waived for students of Advanced Standing I/II, depending on their academic qualifications.

2.7 Optional Courses

Course Code	Course Title	Credit Units	Remarks
FS4001	Co-operative Education Scheme (CES)	8	Internship (8 to 12 months) Students who have opted for FS4001 cannot register for FS4004.
FS4002	Industrial Attachment Scheme (IAS)	3	Internship (9 to 13 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 2016** in order to access their course grades. For details, please refer to ARRO website: http://www.cityu.edu.hk/provost/academic_honesty/.

5. COMMUNICATIONS

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

- Students having difficulties in a course of study should first talk to the course teacher concerned.
- A student who wishes to discuss the overall organization of the major should speak to the Major Programme Leader.
- A student who wishes to discuss issues on a particular part of the major should speak to the relevant Major Programme Year Tutor.

- d) The major's Joint Staff & Student Consultative Committee helps to 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 catalog term will be elected to sit in the Major Programme 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 PROGRAMME LEADER AND YEAR TUTORS

<u>Position</u>	<u>Staff Name</u>	<u>Tel/Email</u>
Major Programme Leader: (Department of Systems Engineering and Engineering Management (SEEM))	Dr. Richard Y. K. FUNG	3442-8413 / meykfung@cityu.edu.hk
Deputy Major Programme Leader:	Prof. C. Y. DANG	3442-8429 / mecdang@cityu.edu.hk

(Department of Systems Engineering and Engineering Management (SEEM))

Deputy Major Programme Leader: (Department of Computer Science (CS))	Dr. LI Minming	3442-9538 / minming.li@cityu.edu.hk
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Year Tutors:

Year 2	Dr. Richard Y. K. FUNG	3442-8413 / meykfung@cityu.edu.hk
Year 3	Prof. C. Y. DANG (SEEM)	3442-8429 / mecdang@cityu.edu.hk
Year 4	Dr. Ken H. K. YAU(SEEM)	3442-6158 / honkyau@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, then point to "Quick Links" at the top and click "AIMS".
- ii) Log onto AIMS.
- iii) Click "Course Registration" menu.
- iv) Click "Weekly Schedule", choose the appropriate term and press "Submit".
- v) You will find your class schedule in matrix form.
- vi) Press the "View Detail Schedule" button at the bottom of your matrix timetable to display details of your class schedule.

7.2 How to get Instructors' handouts through Canvas

- i) Log onto the CityU e-Portal from any terminal on campus or off campus.
- ii) Enter the course under "My Courses"
- iii) Click "Files".

7.3 How to check Major Programme Requirement and Course Syllabuses

Log onto the CityU home page and click "Academic Programmes".

7.4 Course Registration for Semester A 2016-2017

For Semester A 2016-2017, 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 **26 July 2016**. 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 "AIMS".
- Log onto "AIMS" and then click "Course Registration".
- Choose "Add or Drop Classes".
- Select and choose the correct term.

- iii) Web registration begins on **15 August 2016** but you need to check your time ticket first from "AIMS".
- iv) All add/drops end on **5 September 2016**.
- iv) Detailed arrangements on Course Registration for Semester A 2016-2017 will be posted by **1 August 2016**. 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, then point to "**Quick Links**" at the top and click "**Email**".
- ii) In the Email Services home page, click "**my.cityu.edu.hk**" under "**Student**" to go to CityU "**Office 365**" Sign In page.
- iii) At the "**Account:**" field in the Sign In screen, enter your Office 365 account in the form of "*YourEID-c*", where *YourEID* is your CityU Electronic ID.
- iv) At the "**Password:**" field, enter your Office 365 Account password, then click "**Log On**".
- v) Then you can read and compose mail after signing in.

Important notes:

For email communication:
please state your *student name, number and contact telephone number*.

7.6 Credit Exemption

Applications for course exemption 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 2016-2017, the application period is from **15 July 2016 to 27 August 2016**. 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 2016-17 for interested students. Details of the session will be sent to you by e-mail.

7.8 Administrative Support from SEEM General Office

Normal

Mon to Fri	8:30am to 5:30 pm
<i>Lunch Break</i>	<i>12:30pm to 1:45pm</i>
Sat	closed

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