BACHELOR OF ENGINEERING

DEPARTMENT OF SYSTEMS ENGINEERING AND ENGINEERING MANAGEMENT

Student Handbook (2015-2016)

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August 2015
1. **VISION AND MISSION OF DEPARTMENT OF SYSTEMS ENGINEERING AND ENGINEERING MANAGEMENT (SEEM)**

**Vision**

SEEM aspires to be a centre of excellence in education and research in industrial and systems engineering, engineering management.

**Mission**

SEEM’s mission is:

- to provide high quality educational and research experience in disciplines related to industrial and systems engineering, engineering management and to prepare our graduates for professional and leadership roles in industry and academia;
- to conduct and disseminate research to advance knowledge and knowhow in industrial and systems engineering, engineering management;
- to provide expert services to professional institutions and learned societies, and consultancies to industrial and governmental organizations, in disciplines related to industrial and systems engineering, engineering management.
2. DEGREE REQUIREMENT FOR 4-YEAR DEGREE PROGRAMMES

2.1 Minimum Number of Credit Units Required for the Award

<table>
<thead>
<tr>
<th>Degree Requirements</th>
<th>Credit Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gateway Education requirement</td>
<td>30 credit units</td>
</tr>
<tr>
<td>College/School requirement</td>
<td>6 credit units</td>
</tr>
<tr>
<td>Major requirement</td>
<td>75 credit units</td>
</tr>
<tr>
<td>Free electives / Minor (if applicable)</td>
<td>9 credit units</td>
</tr>
</tbody>
</table>

**Minimum number of credit units required for the award** 120 credit units

**Maximum number of credit units permitted** 144 credit units

**Normal Period of Study**

<table>
<thead>
<tr>
<th>Period of Study</th>
<th>Years</th>
</tr>
</thead>
<tbody>
<tr>
<td>Normal period of study</td>
<td>4</td>
</tr>
<tr>
<td>Maximum period of study</td>
<td>8</td>
</tr>
</tbody>
</table>

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

**Requirements**

<table>
<thead>
<tr>
<th>Requirements</th>
<th>Credit Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>University requirements</td>
<td></td>
</tr>
<tr>
<td>English</td>
<td></td>
</tr>
<tr>
<td>• GE1401 University English</td>
<td>3 credit units</td>
</tr>
<tr>
<td>• Discipline-specific English: GE2410 English for Engineering</td>
<td>3 credit units</td>
</tr>
<tr>
<td>GE1501 Chinese Civilisation – History and Philosophy</td>
<td>3 credit units</td>
</tr>
<tr>
<td>Distributional requirements</td>
<td></td>
</tr>
<tr>
<td>Area 1: Arts and Humanities</td>
<td></td>
</tr>
<tr>
<td>Area 2: Study of Societies, Social and Business Organisations</td>
<td></td>
</tr>
<tr>
<td>Area 3: Science and Technology</td>
<td>12 credit units</td>
</tr>
<tr>
<td>College/School-specified courses ^</td>
<td>9 credit units</td>
</tr>
</tbody>
</table>

**Total** 30 credit units

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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Level</th>
<th>Credit Units</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>MA1200/ MA1300</td>
<td>Calculus and Basic Linear Algebra I/ Enhanced Calculus and Linear Algebra I</td>
<td>B1</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>MA1201/ MA1301</td>
<td>Calculus and Basic Linear Algebra II/ Enhanced Calculus and Linear Algebra II</td>
<td>B1</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CS1102/ CS1302*</td>
<td>Introduction to Computer Studies/ Introduction to Computer Programming</td>
<td>B1</td>
<td>3</td>
<td>*Subject to sufficient enrollments.</td>
</tr>
</tbody>
</table>
2.3 English Language Requirement

Normative 4-year degree students who passed the 6 credit units of specified GE English courses 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 a 6-credit unit course EL0200 English for Academic Purpose prior to taking the GE English courses. The 6 credit units of EL0200 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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Level</th>
<th>Credit Units</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>Science</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><em>Choose two from the following three subject areas:</em></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Physics</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AP1201</td>
<td>General Physics I</td>
<td>B1</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Chemistry</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BCH1100</td>
<td>Chemistry</td>
<td>B1</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Biology</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BCH1200</td>
<td>Discovery in Biology</td>
<td>B1</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

2.6 Major Requirement (75 credit units)

<table>
<thead>
<tr>
<th>Minimum Requirement</th>
<th>Bachelor of Engineering in e-Logistic and Technology Management (BENG eLTM)</th>
<th>Bachelor of Engineering in Industrial Engineering and Engineering Management (BENG IEEM)</th>
<th>Bachelor of Engineering in Total Quality Engineering (BENG TQE)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Core Courses</td>
<td>60 credit units</td>
<td>63 credit units</td>
<td>66 credit units</td>
</tr>
<tr>
<td>Elective Courses</td>
<td>15 credit units</td>
<td>12 credit units</td>
<td>9 credit units</td>
</tr>
<tr>
<td>Free Elective</td>
<td>9 credit units</td>
<td>9 credit units</td>
<td>9 credit units</td>
</tr>
</tbody>
</table>
2.7 Optional Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Units</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>FS4001</td>
<td>Co-operative Education Scheme (CES)</td>
<td>8</td>
<td>Internship (8 to 12 months)</td>
</tr>
<tr>
<td>FS4002</td>
<td>Industrial Attachment Scheme (IAS)</td>
<td>3</td>
<td>Internship (9 to 12 weeks)</td>
</tr>
</tbody>
</table>

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

2.8 Classification of Award

<table>
<thead>
<tr>
<th>Classification</th>
<th>CGPA</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st Class</td>
<td>CGPA 3.5 or above</td>
</tr>
<tr>
<td>2nd Upper</td>
<td>CGPA 3.00 – 3.49</td>
</tr>
<tr>
<td>2nd Lower</td>
<td>CGPA 2.50 – 2.99</td>
</tr>
<tr>
<td>3rd Class</td>
<td>CGPA 2.00 – 2.49</td>
</tr>
<tr>
<td>Pass</td>
<td>CGPA 1.70 – 1.99</td>
</tr>
</tbody>
</table>

3 COMMON FIRST-YEAR AND MAJOR OPTIONS

Students admitted to the normative 4-year degree programme will study a broad range of Gateway Education (GE) courses together with core-curricular courses designed by the College of Science and Engineering and Department. At the end of Semester B 2015-16, the top 40% of students who meet the University & College specified requirement* will have a free choice of majors offered by the Department. The other 60% of students will be allocated to a major of their choice, subject to the availability of places and selection criteria set by individual majors.

Major Options
- Bachelor of Engineering in e-Logistic and Technology Management (BENG eLTM)
- Bachelor of Engineering in Industrial Engineering and Engineering Management (BENG IEEM)
- Bachelor of Engineering in Total Quality Engineering (BENG TQE)

*Students will be considered as top 40% of students based on:
(i) Cumulative grade point average (CGPA) at the end of Semester B;
(ii) No failed grades in any courses in Semesters A and B; and
(iii) Completion of at least 30 credit units in Semesters A and B (including the number of credit units specified by the College of Science and Engineering / Department for its required courses as stipulated in the First-year curriculum on the next page.)
4 **FIRST-YEAR CURRICULUM**

<table>
<thead>
<tr>
<th>2015-16 First-Year Curriculum</th>
<th>Courses</th>
<th>No. of Credit Units</th>
</tr>
</thead>
</table>
| GE English / EAP*             | • GE1401 University English (3 CUs); and  
                               • Discipline-specific English (3 CUs) | 6 |
| College Specified GE Courses | College Specified GE courses for normative 4-year degree:  
                               MA1200/ MA1300 Calculus and Basic Linear Algebra I/ Enhanced Calculus and Linear Algebra I | 9 |
|                              | MA1201/ MA1301 Calculus and Basic Linear Algebra II/ Enhanced Calculus and Linear Algebra II |  |
|                              | CS1102/ CS1302 Introduction to Computer Studies/ Introduction to Computer Programming | 3 |
| GE Courses                   | • GE1501 Chinese Civilisation - History and Philosophy  
                               • GE courses from the distributional areas:  
                               o Area 1: Arts and Humanities  
                               o Area 2: Study of Societies, Social and Business Organisations  
                               o Area 3: Science and Technology | 6 |
| Course Specified by Department| MA2172 Applied Statistics for Sciences and Engineering | 3 |
| College Requirements (Science Courses) | Choose two from the following three subject areas:  
                               • AP1201 General Physics I (3 CUs)  
                               • BCH1100 Chemistry (3 CUs)  
                               • BCH1200 Discovery in Biology (3 CUs) | 6 |

Total No. of Credit Units: 30

*EL0200 English for Academic Purpose

5. **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).

6. **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 2015** in order to access their course grades. For details, please refer to ARRO website: [http://www.cityu.edu.hk/provost/academic_honesty/](http://www.cityu.edu.hk/provost/academic_honesty/).

7. **ACADEMIC ADVISING**

Under the 4-year degree structure in 2015/16, CSE adopts a departmental-based admission, and all first-year students will take a common first-year curriculum. To ease their transition to a new environment, and to provide academic advice for students on their choices of major, academic advising plays a vital role in enhancing students’ overall learning experience at CityU.

7.1 **Academic Advisors**

Students are expected to have at least two meetings per semester with their respective academic advisors, one for course selection and another for review of university life. Other than the meetings, students should keep in contact with their respective academic advisors regularly (e.g. via emails or other means).

Roles of academic advisors:
- building rapport with the students, and serving as a bridge that connects them to the College and departments;
- helping students to consider and clarify their intellectual, professional and personal goals;
- helping students to develop an appropriate study plan (particularly with regard to their major), and assisting in their selection of appropriate courses to achieve their identified goals;
- advising students on academic regulations and requirements, particularly those relating to the major;
- identifying students with special learning needs or early signs of learning problems, and referring/encouraging them to seek help or support; and
- being accessible and available to students, and responding to their questions and concerns.

7.2 **Student Mentors**

Students are expected to have at least eight hours of contact with their respective student mentors in a semester.

Roles of student mentors:
- assisting mentees to adjust to the university life by sharing their precious study experience;
- sharing with mentees the issues related to their personal growth, career development and personal pursuits;
- helping mentees to acquire social and interpersonal skills;
- organizing and participating in mentor activities proactively; and
- being accessible and available to students, and offering help to them whenever necessary.
7.3 Student Advisees

Effective student advising requires an active participation of student advisees in the process.

Responsibilities of student advisees:
- understanding the academic regulations and common first-year curriculum, as well as the requirements of their chosen major;
- obtaining information actively, and consult academic advisors on a regular basis and as needed; and
- taking the final responsibility for making decisions and choices regarding their academic study based on the information and advice given.

7.4 Student Development Services (SDS)

The SDS offers many student-centred services to students. It provides support and assistance for students in the following areas:
- Attainment of an all-round development
- Enrichment of campus life
- Development of career plans and choices
- Solving personal problems
- Enhancement of physical and mental well-being
- Provision of financial assistance
- Scholarship application
- Welfare provisions

The SDS administers a Whole Person Development Award Scheme which is established to encourage students to take positive and systematic steps to pursue whole person development. Students’ participation and involvement in student activities or extra-curriculum training programmes will add scores leading towards the Award. For details of the Scheme, please approach SDS.

8. 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 issues related to major studies should speak to the Common First Year Tutor or academic advisor.

c) The Common First Year Joint Staff & Student Consultative Committee helps to facilitate consultation and communication. Up to three students will be elected to sit in the Committee.

d) Students should feel free to approach their respective academic advisors for advice regarding their study plan or personal and career development.
9. INFORMATION TO NEW STUDENTS

9.1 How to access your Personal Class Schedule

i) Go to [http://www.cityu.edu.hk](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.

9.2 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”.

9.3 How to check Major Programme Requirement and Course Syllabuses

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

9.4 Course Registration for Semester A 2015-2016

For Semester A 2015-2016, students will be pre-registered in required courses and major electives in most cases if possible.

i) 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.

iii) Web registration begins on 17 August 2015 but you need to check your time ticket first from “AIMS”.
iv) All add/drops end on 7 September 2015.
iv) Detailed arrangements on Course Registration for Semester A 2015-2016 will be posted by 3 August 2015. For details, please refer to ARRO website: [http://www.cityu.edu.hk/arro/crsreg/](http://www.cityu.edu.hk/arro/crsreg/).
9.5 How to access your Student Email Account

i) Go to [http://www.cityu.edu.hk](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**.

9.6 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 2015-16 for interested students. Details of the session will be sent to you by e-mail.

9.7 Administrative Support from SEEM General Office

<table>
<thead>
<tr>
<th></th>
<th>Mon to Fri</th>
<th>Lunch Break</th>
<th>Sat</th>
<th>Inquiry:</th>
<th>Fax:</th>
<th>Email:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>8:30am to 5:30 pm</td>
<td>12:30pm to 1:45pm</td>
<td>closed</td>
<td>3442-9321</td>
<td>3442-0173</td>
<td><a href="mailto:seemgo@cityu.edu.hk">seemgo@cityu.edu.hk</a></td>
</tr>
</tbody>
</table>
Appendix: Overview of Majors
Bachelor of Engineering in e-Logistics and Technology Management

Award title: Bachelor of Engineering in e-Logistics and Technology Management
電子物流及科技管理學士

This major is jointly offered by:
Department of Systems Engineering and Engineering Management
Department of Computer Science

<table>
<thead>
<tr>
<th>Major programme leader: Dr Richard FUNG</th>
</tr>
</thead>
<tbody>
<tr>
<td>Email: <a href="mailto:meykfung@cityu.edu.hk">meykfung@cityu.edu.hk</a></td>
</tr>
<tr>
<td>Tel: 3442 9321</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>General enquiry: Department of Systems Engineering and Engineering Management</th>
</tr>
</thead>
<tbody>
<tr>
<td>Email: <a href="mailto:seemgo@cityu.edu.hk">seemgo@cityu.edu.hk</a></td>
</tr>
<tr>
<td>Tel: 3442 9321</td>
</tr>
</tbody>
</table>

1. **Aims of the 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.

2. **What You Will Be Studying**

   There are six main major building blocks:
   - Language and Gateway Education
   - Basic Logistics Concepts and Theories
   - Computing Theories, Techniques and Tools
   - Detailed Logistics Operations
   - Advanced Computing Theories
   - Integrative Project

   Innovative teaching approaches are adopted in the delivery of the curriculum to successfully integrate theories with industrial practices. Problem-solving and student-centred activities, experience-based learning, integrative management workshops, industrial attachments, co-operative education and industry-based projects are the typical means for achieving our targets.

3. **Professional Accreditation**

   This major has been fully accredited by the Hong Kong Institution of Engineers (HKIE), a signatory member of the Washington Accord under which all members agree to recognize each other's accredited engineering degree programmes.
4. Career Prospects

Graduates enjoy career opportunities in a broad range of logistics related industries such as international freight forwarding, inventory management and warehousing, transportation, supply chain planning and control and industrial, financial, hospitality and manufacturing services. Typical starting positions include logistics analyst/officer, logistics engineer, distribution systems analyst/engineer, production and materials controller, supply chain planner as well as management/trainees graduate.

5. Bonus Features

Industrial Training and International Exchange

The College of Science and Engineering and the Department offer work placement opportunities through different internship schemes that provide students with full-time job attachment to firms not only in Hong Kong, but also the Pearl River Delta region and overseas. Through such placements, students will:

- gain solid experience in a real-life working environment;
- develop problem solving ability and interpersonal skills;
- learn the right attitudes towards work and professionalism; and
- broaden their experience and enhance their employability.

For details, please visit the website of the College’s Co-operative Education Centre (www.cityu.edu.hk/cse/cec).

Furthermore, for students to broaden their educational horizons, gain language experience and enhance awareness of different cultures, the Department, College and University offer many credit-bearing exchange programmes with various partner institution around the world including universities in Australia, Canada, Europe, the US and others in the Asia-Pacific region.

For details, please visit the University’s and Department’s websites for outbound exchange programme.
**Bachelor of Engineering in Industrial Engineering and Engineering Management**

**Award title:** Bachelor of Engineering in Industrial Engineering and Engineering Management

工業工程及工程管理學士

**Major programme leader:** Dr Sherman NGAN  
Email: scngan@cityu.edu.hk  
Tel: 3442 8400

**General enquiry:**  
Department of Systems Engineering and Engineering Management  
Email: seemgo@cityu.edu.hk  
Tel: 3442 8420

1. **Aims of the Major**

The Major is designed to meet the needs of present day engineering students coming from diverse science background. It aims to equip them with basic technical and engineering knowledge; analytical, managerial, and behavioural skills; and prepare them for life-long growth within the field of industrial engineering and engineering management. The Major prepares graduates for a variety of careers in the continually evolving manufacturing, engineering and services industries of today.

2. **What You Will Be Studying**

There are four main subject areas:

- Foundation and Technology Block
- Industrial Engineering Block
- Engineering Management Block
- Integrative Block

3. **Professional Accreditation**

The Major has been accredited by the Hong Kong Institution of Engineers (HKIE). Graduates of this major meet the academic requirements for Corporate Membership of HKIE.

4. **Career Prospects**

Graduates will find career opportunities in manufacturing, engineering services, consulting, construction, trading, government and financial institutions, where work needs to be efficiently organized and managed, particularly when the workforce needs to closely deal with “hard” and “soft” technologies. Examples include:

- Operations Management: developing facilities layout, operations planning and scheduling, manpower requirements setting in manufacturing/ service companies;
- Logistics and Supply Chain Management: developing technologies and systems that support physical process and e-commerce, and optimize material sourcing, distribution network and inventories;

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• broaden their experience and enhance their employability.

For details, please visit the website of the College’s Co-operative Education Centre (www.cityu.edu.hk/cse/cec).

What’s more, in order for students to broaden their educational horizons, gain language experience and enhance awareness of different cultures, the Department, College and University offer over 110 credit-bearing exchange programmes with various partner universities around the world, including Australia, Canada, Europe, the US and others in the Asia-Pacific region.

For details, please visit the University’s and Department’s websites for outbound exchange programme.
Bachelor of Engineering in Total Quality Engineering

Award title: Bachelor of Engineering in Total Quality Engineering
全質量安全監控工程學士

This major is co-hosted by:
Department of Systems Engineering and Engineering Management
Department of Mechanical and Biomedical Engineering

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<tr>
<th>Major programme leader:</th>
<th>Dr K S CHIN</th>
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<tr>
<td>Email:</td>
<td><a href="mailto:mekschin@cityu.edu.hk">mekschin@cityu.edu.hk</a></td>
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<tr>
<td>Tel:</td>
<td>3442 9321</td>
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General enquiry:
Department of Systems Engineering and Engineering Management
Email: seemgo@cityu.edu.hk
Tel: 3442 9321

Department of Mechanical and Biomedical Engineering
Email: mbego@cityu.edu.hk
Tel: 3442 8420

1. Aims of the Major

This Major aims to equip students with analytical, technical, managerial, and behavioural skills / knowledge in aspects of contemporary quality and reliability engineering, product safety, health and environmental compliance, and related technologies in order to prepare them to play key professional role in the global manufacturing industry amidst increasing quality 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 contemporary technology and solutions in the quality engineering and related aspects. In addition, this major purposefully designed courses that infuse CityU’s unique discovery-enriched curriculum (DEC) concept.

2. What You Will Be Studying

The basic curriculum consists of three modules:

- Basic engineering
- Total quality engineering
- Integrative project

3. Professional Accreditation

This major has been granted accreditation by the Hong Kong Institution of Engineers and Hong Kong Society for Quality (HKSQ). Graduates of this major meet the academic requirements for Corporate Membership of HKIE and those for HKSQ Certified Quality Engineer.
4. Career Prospects

Graduates will find career opportunities in a broad range of manufacturing and service industries. Typical starting positions include quality/quality assurance/quality control engineer/officer/controller, procurement/supplier quality engineer/officer, quality system/ISO9000 officer/controller, product testing/integrity engineer, customer/service quality officer, quality and safety engineer/officer, project engineer and quality analyst.

5. Bonus Features

Industrial Training and International Exchange

The College of Science and Engineering and the Department offer work placement opportunities through different internship schemes that provide students with full-time job attachments to firms not only in Hong Kong, but also the Pearl River Delta region and overseas. Through such placements, students will:

- gain solid experience in a real-life working environment;
- develop problem solving ability and interpersonal skills;
- learn the right attitudes towards work and professionalism; and
- broaden their experience and enhance their employability.

For details, please visit the website of the College’s Co-operative Education Centre (www.cityu.edu.hk/cse/cec).

Furthermore, for students to broaden their educational horizons, gain language experience and enhance awareness of different cultures, the Department, College and University offer over 110 credit-bearing exchange programmes with various partner institution around the world including universities in Australia, Canada, Europe, the United States and others in the Asia-Pacific region.

For details, please visit the University’s and Department’s websites for outbound exchange programme.