

Gateway to Professional Recognitions

Programmes in Electrical, Electronic and Mechanical Engineering



Electrical, Electronic and Mechanical Engineering

Diploma in Professional Studies (Electrical)

Higher Diploma in Electrical and Electronics Engineering

BEng (Hons) Electronic and Electrical Engineering (Registration No.: 251350)*

BEng (Hons) Mechanical Engineering (Registration No.: 252537) *

MSc Advanced Engineering Management (Registration No.: 252929)*

Diploma to Bachelor Degree

For secondary school leavers & industrial practitioners



Hong Kong College of Technology (HKCT) is a charitable and independent post-secondary education institution under the HKCT Group Limited. Formerly known as the Mongkok Workers' Night School, which was established in 1947, HKCT has striven continuously to contribute to the local education for over 70 years.

Hong Kong College of Technology International (HKCTI) is the operator of the programmes. Being a subsidiary set up by HKCT, HKCTI specialises in the operation of Undergraduate and Postgraduate degree programmes which are awarded by our overseas partner universities.

International Education (IE) is a branch under HKCT, which carries the missions of promoting life-long learning by providing top-notch academic programmes ranging from Diploma to Master's Degree from world class institutions to keep abreast with the dynamic changes of the world. Programme disciplines include Building Construction & Surveying, Civil Engineering, Electrical & Mechanical Engineering, Property & Facilities Management, Health, Safety and Environment, Graphic Design, Information Technology, Beauty Services and Psychology.

IE also collaborates with local professional bodies and overseas institutions to organise seminars and conferences to facilitate academic exchanges and sharpen competency of workforce, strengthen the territory's competitive edges to embrace dynamic changes brought by globalisation.

Professional and academic services at IE include:

- Professional seminars and short courses;
- National and international conferences;
- Knowledge transfer between Hong Kong and overseas academics or professionals;
- Liaison with local/overseas institutions and professional bodies.

Diploma in Professional Studies (Electrical) 專科文憑 (電機)

Part-time 1 year

This programme admits students in September every year.

Accreditations



Introduction

This is a one-year part-time programme providing the foundation for further study to the degree level in the field of electrical and electronic engineering.

Professional Accreditation

This programme has been accredited by Hong Kong Institution of Incorporated Engineers (HKIIE).

Teaching and Learning

This programme consists of 6 modules. These modules are used to underpin students' numeracy and communication skills that would be beneficial for them to comprehend engineering theories, technical issues and relevant problems.

Entry Requirements

- Applicants should have completed Form 5 with a pass in Mathematics; or
- Applicants should be holders of Certificate in Electrical, Electronics or Building Services related discipline; or
- Mature entrants with relevant working experience.

Further Study

Graduates are eligible to apply for admission to Higher Diploma in Electrical and Electronics Engineering.

MSc Advanced Engineering Management (Registration No.: 252929)*
(Part-time 21 months)



BEng (Hons) Electronic and Electrical Engineering (Registration No.: 251350)*
(Part-time 18 months)

Higher Diploma in Electrical and Electronics Engineering (Part-time 2 years)



Diploma in Professional Studies (Electrical) (Part-time 1 year)



Programme Structure

Module ⁺	Commencement	Tuition Fee [^]
<ul style="list-style-type: none"> • Elementary Engineering Mathematics • Effective Use of English 	September (2 evenings)	HK\$6,004
<ul style="list-style-type: none"> • Electrical and Electronics Principles • Electrical Machines 	January (2 evenings)	HK\$6,003
<ul style="list-style-type: none"> • Advanced Electrical Principles • Electrical Power 	April (2 evenings)	HK\$6,003

⁺ Course content is subject to review and changes without prior notice.

[^] All tuition fees are subject to annual review and change without prior notice.

* It is a matter of discretion for individual employers to recognize any qualification to which these course may lead.

* This programme is operated by Hong Kong College of Technology International Limited.



Higher Diploma in Electrical and Electronics Engineering

電機電子工程高級文憑



Part-time 2 years

This programme admits students in September every year.

Accreditations



Introduction

This is a two-year part-time programme providing professional knowledge and skills for further study to the degree level in the field of electrical and electronic engineering.

Professional Accreditation

This programme has been accredited by the Society of Operations Engineers (SOE), UK. Graduates who fulfil specified education and professional development requirements are eligible to apply for the Associate Member (AMSOE) of SOE, UK and may also achieve Engineering Council registration at Engineering Technicians (Eng Tech) level.

Programme Structure

This two-year part-time programme consists of fundamental theories and technologies for the industry, such as electrical circuit analysis, instrumentation and measurements, building services engineering, etc. The programme is divided into six semesters in a two-year duration. Students are required to complete two modules in each semester. Each module contains 36 face-to-face contact hours with lecturers.

Programme Structure (Year 1)

Module ⁺	Commencement	Tuition Fee [^]
• Engineering Mathematics I	September	HK\$7,000
• Instrumentation and Measurements	(2 evenings)	
• Engineering Mathematics II	January	HK\$7,000
• Electrical Circuit Analysis	(2 evenings)	
• Electrical Installation Technology	April	HK\$7,000
• Building Services Engineering	(2 evenings)	

Programme Structure (Year 2)

Module ⁺	Commencement	Tuition Fee [^]
• Digital Systems and Microprocessor	September	HK\$7,000
• Electronics Engineering	(2 evenings)	
• Electrical Power Systems	January	HK\$7,000
• Power Electronics and Drives	(2 evenings)	
• Control Systems	April	HK\$7,000
• Project	(2 evenings)	

Entry Requirements

- Applicants should be holders of Diploma in Professional Studies (Electrical) awarded by HKCT or Diploma awarded by other institutions; or equivalent
- Mature entrants with relevant working experience.
- Applicants who are holders of Higher Certificate in Electrical, Electronic, or Building Services related disciplines, or equivalent may apply for Year 2.

Study Path

Graduates of this Higher Diploma programme are eligible to apply for admission into a 18-month top-up Bachelor degree programme of BEng (Hons) Electronic and Electrical Engineering (Registration No.: 251350)* awarded by the University of Sunderland, UK.

Msc Advanced Engineering Management (Registration No.: 252929)*
(Part-time 21 months)



BEng (Hons) Electronic and Electrical Engineering (Registration No.: 251350)*
(Part-time 18 months)



Higher Diploma in Electrical and Electronics Engineering (Part-time 2 years)

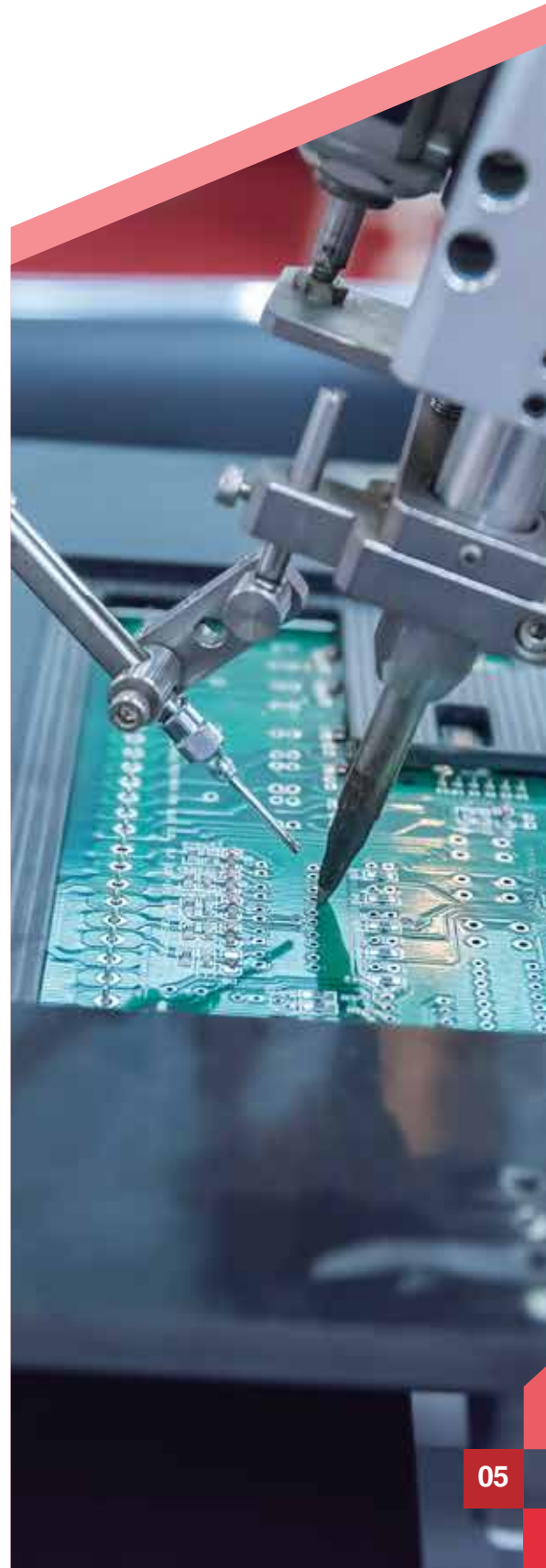


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Part-time 18 months

This programme admits students in September every year.

Accreditations



Introduction

This 18-month part-time top-up Bachelor degree programme provides the academic pathway for higher diploma holders in relevant disciplines to obtain higher level of qualification.

Professional Accreditation

This programme is conferred by the University of Sunderland, UK and has been accredited by the Society of Operations Engineers (SOE), UK and Institute of Measurement and Control (InstMC), UK. This programme has also been accredited by the Hong Kong Institution of Incorporated Engineers (HKIIE).

Graduates who fulfil the specified education and adequate working experience requirements are eligible to apply for Member of SOE, UK, InstMC, UK, and for Engineering Council EC (UK) registration at Incorporated Engineers (IEng) level.

Programme Structure⁺

The programme is a 18-month top-up Bachelor degree for graduates of Higher Diploma in Electrical and Electronics Engineering or related disciplines. Students are required to complete 5 modules in 4 semesters.

- Electrical Power
- Professional Engineering Management Techniques
- Manufacturing Systems Design
- Electronic Systems Design
- Project

The requirements of Grade C Electrical Work include*:

A degree in electrical engineering in a recognized university or an institution of tertiary education or an equivalent qualification and

1. has at least six years of post-graduate practical experience in electrical engineering including at least one year of practical experience in electrical work, or
2. completed at least two years of post-graduate training in electrical engineering recognized by the Director of Electrical & Mechanical Services and has at least two years of subsequent practical experience in electrical work.

* For reference only, it is subject to the latest announcement of Electrical and Mechanical Services Department (EMSD).

Entry Requirements

- Higher Diploma in a relevant discipline (e.g. Electronics and Electrical Engineering, Electrical Engineering, etc.) from a recognised institution; or
 - Associate Degree in a relevant discipline, which will be assessed individually.
- AND
- English language proficiency requirement:
- IELTS 6.0 / TOEFL 550 / GCSE OL English grade C or equivalent; or
 - Previous post-secondary qualification where the medium of instruction is English.

Mode of Learning

A full set of module materials is provided by the University of Sunderland, UK. Each module includes 45 face-to-face contact hours with local lecturers on weekday evenings and Saturdays.

Assessment

Modules are assessed in a combination of assignments, examinations and projects.

Tuition Fee[^]

HK\$83,140 in 4 instalments

Administration Fee[^]

HK\$1,600 (Upon 1st instalment)

Study Path

Msc Advanced Engineering Management (Registration No.: 252929)*
(Part-time 21 months)



BEng (Hons) Electronic and Electrical Engineering
(Registration No.: 251350)*
(Part-time 18 months)



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Part-time 18 months

This programme admits students in September every year.

Accreditations



Introduction

This 18-month parttime top-up Bachelor degree programme provides the academic pathway for Higher Diploma holders in relevant disciplines to obtain higher level of qualification.

Professional Accreditation

This programme is conferred by the University of Sunderland UK and has been accredited by the Society of Operations Engineers (SOE), UK and Institute of Measurement and Control (InstMC), UK and meets the required academic criteria for registration as an Incorporated Engineer (IEng).

Programme Structure⁺

The programme is a 18-month top-up Bachelor degree for graduates of Higher Diploma in Mechanical Engineering or related disciplines. Students are required to complete 5 modules in 4 semesters:

- Engineering Dynamics & Thermofluids
- Professional Engineering Management Techniques
- Manufacturing Systems Design
- Mechanical Design & Materials Selection
- Project

Entry Requirements

- Applicants should be holders of Higher Diploma in Mechanical Engineering or related disciplines awarded by local tertiary institutions or equivalent; and substantial relevant working experience; or
- Applicants who do not satisfy the above entry requirements may be admitted at the discretion of the University through an interview and assessment by a committee.
- Applicants should possess English proficiency fulfilling the University's requirement.

Mode of Learning

A full set of module materials is provided by the University of Sunderland, UK. Each module includes 45 face-to-face contact hours with local lecturers on weekday evenings and Saturdays.

Assessment

Modules are assessed in a combination of assignments, examinations and projects.

Tuition Fee[^]

HK\$83,140 in 4 instalments

Administration Fee[^]

HK\$1,600 (Upon 1st instalment)

Study Path

Msc Advanced Engineering Management (Registration No.: 252929)*
(Part-time 21 months)



BEng (Hons) Mechanical Engineering
(Registration No.: 252537)*
(Part-time 18 months)

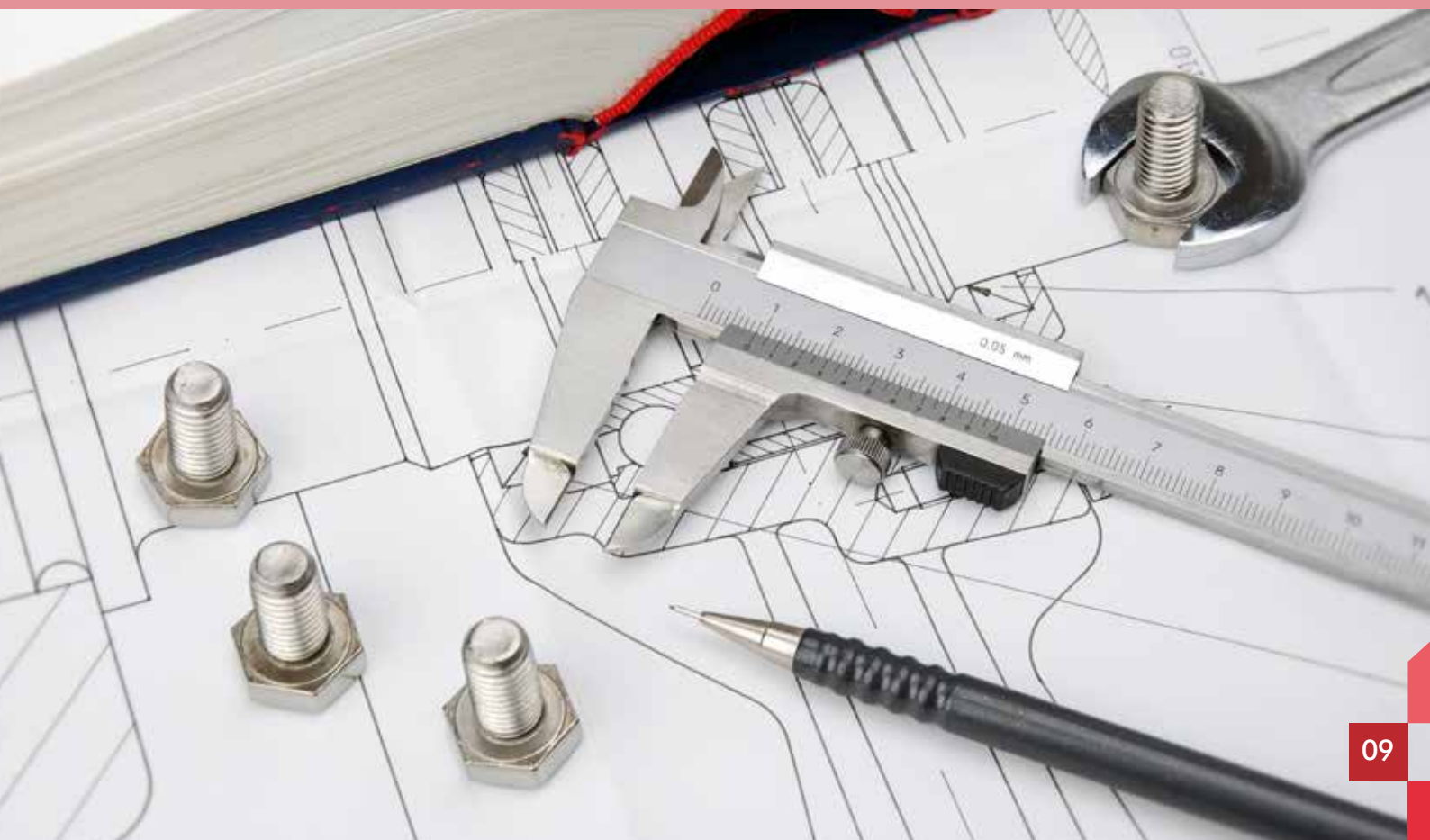


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Part-time 21 months

This programme admits students in September every year.

Introduction

To become a Chartered Engineer, an accredited Bachelor's degree (Hons) in engineering or technology, plus appropriate further learning to Master's level is required. This 21-month MSc Advanced Engineering Management provides you a pathway to professional.

Aims

The aims of the programme are to:

- Apply their skills in the areas of both management and engineering to solve complex problems, requiring effective communication, information retrieval, teamwork and the use of specialist and general IT facilities.
- Develop and demonstrate self-learning and skills of critical reflection to improve performance, as the foundation for lifelong learning and continuing professional development (CPD).
- Monitor and adjust a significant personal programme of work on an on-going basis and to defined goals.
- Exercise initiative and personal responsibility, which may be as a team member or team leader.

Programme Structure⁺

Year 1

Semester 1

- Simulation and Modelling
- Eco Engineering

Semester 2

- Engineering Systems Control
- Lean and Agile Engineering

Semester 3

- Project Mangement
- Research Practice

Year 2

MSc Dissertation

Entry Requirement

- A second class honours degree in a cognate discipline (i.e. any award with "engineering" in the title, or programme recognised by Professional Engineering Bodies); or
- A second class honours degree in another discipline with evidence of engineering management experience; or
- Minimum 5 years of relevant working experience or training for applicants without the required academic background.

Mode of learning

- Learning materials are provided by Leeds Beckett University. Each module includes 36 face-to-face contact hours with local lecturers on weekday evenings, Saturday and Sundays.

Assessment

- Continuous Assessments
- Examinations
- Dissertation

Tuition Fee[^]

HK\$ 93,780 in 5 instalments

Administration fee[^]

HK\$1,600 (Upon 1st instalment)

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Lecture Venue : HKCT Mong Kok East Campus

Application Enquiries : 2276 8514 / 2926 1222

Website : <https://www.hkct.edu.hk/cie>

Online application : <https://www.hkct.edu.hk/uchoice>

Programme Details



Campus:

HKCT Mongkok East Campus: 14 Princess Margaret Road, Ho Man Tin, Kowloon

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* HKCT reserves the right of cancellation of programme due to insufficient enrolment number or special circumstances and the right of granting offer.