Gateway to Professional Recognitions

Programmes in Electrical and Electronic Engineering

Electrical and Electronic Engineering

- Diploma in Professional Studies (Electrical)
- Higher Diploma in Electrical and Electronics Engineering
- BEng (Hons) Electronic and Electrical Engineering
Currently, all of the overseas degree courses are located at the Centre of International Education (CIE), which is a branch within HKCT, covering a range of subjects and disciplines. The Centre is operating courses from diploma to doctoral degree level and the areas of discipline include:

- Art & Design, Creative Technologies, Multimedia
- Build Environment and Engineering
- Business and Management
- Tourism and Hospitality
- IT and Computing
- Social Sciences
- Law and Education

Apart from the academic course delivery, CIE also provides professional and academic services.

- 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

CIE is now situated at the headquarter of the College, which houses standard classrooms, computer laboratories, library, language centre and student support centre. The Centre is now led by a Director, who is supported by two Associate Directors and a team of Programme Director, Head of Programme, Programme Coordinators and Programme administrators. In addition, the academic activities are delivered by experienced full-time faculty and part-time lecturers. The College as a whole is also operating with some central units including Human Resources, Finance, Student Development, Facilities Management, IT and AV, etc.
Diploma in Professional Studies (Electrical)  
専科文憑（電機）

Part-time 1 year  
This programme admits students in September every year.

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 electronics engineering.

Professional Recognition  
This programme has been accredited by Hong Kong Institution of Incorporated Engineers (HKIE).

Teaching and Learning  
This diploma course 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.

Programme Structure

<table>
<thead>
<tr>
<th>Module</th>
<th>Commencement Date and Time</th>
<th>Tuition Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Elementary Engineering Mathematics</td>
<td>September (2 evenings)</td>
<td>HK$5,120</td>
</tr>
<tr>
<td>• Electrical and Electronics Principles</td>
<td>January (2 evenings)</td>
<td>HK$4,760</td>
</tr>
<tr>
<td>• Effective Use of English</td>
<td>May (2 evenings)</td>
<td>HK$5,120</td>
</tr>
<tr>
<td>• Advanced Electrical Principles</td>
<td></td>
<td></td>
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<tr>
<td>• Electrical Machines</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Electrical Power</td>
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</tbody>
</table>

Further Study  
Graduates are eligible to apply for admission into the Higher Diploma in Electrical and Electronics Engineering.

MSc Programmes

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)
Part-time 2 years
This programme admits students in September every year

Professional Qualification
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 and may also achieve Engineering Council registration at Engineering Technicians (EngTech) level. This programme has also been accredited by the Hong Kong Institution of Incorporated Engineers (HKIE).

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 course 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.

Study Path
Graduates of this Higher Diploma course are eligible to apply for admission into a 18-month top-up degree programme of BEng (Hons) Electronic and Electrical Engineering awarded by the University of Sunderland, UK.
Further Study

**MSc Programmes**

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

[University of Sunderland logo]

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

[SOE Engineering Success logo]

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

[HKIE logo]

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**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.

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**Programme Structure (Year 1)**

<table>
<thead>
<tr>
<th>Module</th>
<th>Commencement Date and Time</th>
<th>Tuition Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electrical Circuit Analysis</td>
<td>September (2 evenings)</td>
<td>HK$7,000</td>
</tr>
<tr>
<td>Engineering Mathematics I</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Electronics Engineering</td>
<td>January (2 evenings)</td>
<td>HK$7,000</td>
</tr>
<tr>
<td>Electrical Installation Technology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Electrical Power Systems</td>
<td>May (2 evenings)</td>
<td>HK$7,000</td>
</tr>
<tr>
<td>Control Systems</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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**Programme Structure (Year 2)**

<table>
<thead>
<tr>
<th>Module</th>
<th>Commencement Date and Time</th>
<th>Tuition Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>Building Services Engineering</td>
<td>September (2 evenings)</td>
<td>HK$7,000</td>
</tr>
<tr>
<td>Engineering Mathematics II</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Instrumentation and Measurements</td>
<td></td>
<td>HK$7,000</td>
</tr>
<tr>
<td>Power Electronics and Drives</td>
<td>January (2 evenings)</td>
<td>HK$7,000</td>
</tr>
<tr>
<td>Digital Systems and Microprocessor</td>
<td></td>
<td>HK$7,000</td>
</tr>
<tr>
<td>Project</td>
<td>May (2 evenings)</td>
<td>HK$7,000</td>
</tr>
</tbody>
</table>
Part-time 18 months
This programme admits students in September every year

BEng (Hons) Electronic and Electrical Engineering
電機電子工程學士（榮譽）學位
Registration No.: 251350

Professional Accreditation
This programme is conferred by the University of Sunderland, UK and has been accredited by the Society of Operations Engineers, SOE (UK). Graduates who fulfil the specified education and adequate working experience requirements are eligible to apply for Member of SOE (MSoE) and for Engineering Council EC (UK) registration at Incorporated Engineers (IEng) level. This programme has also accredited by the Hong Kong Institution of Incorporated Engineers (HKIE).

Programme Structure
The programme is a 18-month top-up bachelor degree for graduates of Higher Diploma in Electrical and Electronics Engineering related disciplines. Students are required to complete 6 modules in 4 semesters:

- Electronic Systems Design
- Electrical Power
- Project Management Planning and Control
- Scada and PLCs
- Manufacturing Systems Design
- Project
Entry Requirements

- Applicants should be holders of Higher Diploma in Electrical and Electronics Engineering awarded by HKCT; or
- Applicants should be holders of Higher Diploma in Electronic or Electrical related disciplines awarded by local tertiary institutions or equivalent; and with 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 may need to take bridging modules before the commencement of the programme.
- Applicants should possess English proficiency equivalent to IELTS level 6.0; for mature applicants who lack formal qualifications in English, English proficiency may be demonstrated through interview, or HKCT English Test, or TOFEL 550 or equivalent.

Mode of Learning

A full set of module materials is provided by the University of Sunderland, UK. Each module includes 36 face-to-face contact hours with local tutors on weekday evenings and Saturdays.

Assessment

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

Tuition Fee

HK$68,000 in 4 instalments, each to be paid before the commencement of each semester.

* It is a matter of discretion for individual employers to recognize any qualification to which these courses may lead.
* This programme is operated by Hong Kong College of Technology International.
Commencement Date : Every September
Lecture Time : 7:00pm – 10:00pm
Lecture Venue : Homantin Campus / Man Fuk Road Campus

For Part-time degree programmes only

Application Enquiries : 2926 1222
Online application : www.hkct.edu.hk/cie

Campuses:

Man Fuk Road Campus: 25 Man Fuk Road, Homantin, Kowloon.

Homantin Campus: 14 Princess Margaret Road, Homantin, Kowloon.

HKCT Jockey Club Ma On Shan Campus: Yu On Estate, Ma On Shan, Sha Tin, New Territories.

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