



# Programmes in Civil Engineering

## Gateway to Professional Recognitions

MSc Civil Engineering\* (Registration Number: 252609)  
BSc (Hons) Civil Engineering\* (Registration Number: 252012)  
Professional Diploma in Civil Engineering

# Hong Kong College of Technology Centre of International Education 香港專業進修國際教育中心



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 75 years.

Centre of International Education (CIE) 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 and Beauty Services.

CIE 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 CIE 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.

Hong Kong College of Technology is a recognised franchise partner of Leeds Beckett University, UK and has been approved by the University to deliver a number of its awards.

## Student Sharing

## 學生分享



土木工程碩士課程有別於學士，除了知識層面上，更著重於探索及深入的研究，令我了解更多工程背後的原理和數理邏輯。

**Mr Lam Sai Chiu Stephen**

2019-2021土木工程碩士畢業生



我從港專學到的知識和技能應用到實際工作中，並進一步發揮我的潛力。在過去幾年，我已考取多個專業資格，包括英國的CEng, MICE, MIMechE, FCABE, FSOE, MCIQB; 澳洲的MIEAust CPEng, MAIB 以及香港的MHKICM 等資格。

**Mr Chow Chan Wah**

2017-2019土木工程碩士畢業生  
2016-2017土木工程(榮譽)理學士畢業生





## **Part-time 2 years**

*This programme admits students in September every year*

### **Introduction**

MSc Civil Engineering is delivered by the Centre of International Education of Hong Kong College of Technology and is awarded by Leeds Beckett University, UK. This 2-year part-time masters programme provides the academic pathway for degree holders in relevant disciplines to obtain higher level of qualification.

### **Professional Qualification**

This programme is accredited by Chartered Association of Building Engineers (CABE), graduates who fulfill specified education and professional development requirements are eligible to apply for Membership of CABE.

## Programme Structure<sup>+</sup>

This 2-year part-time course is made up of six modules and a dissertation as listed below.

### Year 1

#### September

- Geotechnical Analysis and Design
- Materials Technology

#### January

- Advanced Structural Engineering and Finite Element Method

### Year 2

#### September

- Water Engineering and Fluid Mechanics
- Civil Engineering Dissertation
- Continuing Professional Development

#### January

- Transportation Studies
- Civil Engineering Dissertation
- Continuing Professional Development

#### May

- Civil Engineering Dissertation
- Continuing Professional Development

## Tuition Fee<sup>^</sup>

HK\$95,300 in six instalments

## Administration Fee<sup>^</sup>

HK\$1,650 (Upon 1<sup>st</sup> instalment)

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

\* This programme is awarded by Leeds Beckett University, UK and operated by Hong Kong College of Technology International Limited.

<sup>+</sup> Course content is subject to review and changes without prior notice.

<sup>^</sup> All tuition fees are subject to annual review and change without prior notice.



## Part-time 16 Months

*This programme admits students in September every year*

### Introduction

BSc (Hons) Civil Engineering is delivered by the Centre of International Education of the Hong Kong College of Technology and is awarded by Leeds Beckett University, UK.

Civil Engineers are responsible for designing, constructing and operating a wide range of infrastructure projects, including major structures, highways and water resources. Society's increasing concern for sustainability creates a challenge for more complex, yet innovative, cost-effective and environmentally sensitive solutions.

The programme provides a broad-based education enabling successful students taking this programme at the Hong Kong College of Technology to enter into careers in design, construction or operations in the civil engineering industry. In particular, the programme aims to create a range of learning opportunities which facilitate access and progression to allow personal and professional development.

### Professional Qualification

The range and balance of modules on the course are designed to meet professional body requirements. The course has been accredited by the Hong Kong Institute of Clerks of Works (HKICW), the Chartered Association of Building Engineers (CABE) and the Hong Kong Institution of Incorporated Engineers (HKIIE).

## Programme Structure<sup>+</sup>

This 16-month part-time programme is made up of six modules with a total of 120 credits as listed below.

### Semester One

- Structural Engineering

### Semester Two

- Geotechnical Engineering B

### Semester Three

- Quantitative Methods for Decision Making
- Major Project

### Semester Four

- Hydraulics and Water Engineering
- Major Project

## Assessment

All courses are assessed by a mixture of coursework, essays, reports, project work and examination.

## Laboratory Session

Appropriate laboratory demonstration will be provided.

## Tuition Fee<sup>^</sup>

HK\$79,950 in four instalments

## Administration Fee<sup>^</sup>

HK\$1,650 (Upon 1<sup>st</sup> instalment)

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

\* This programme is awarded by Leeds Beckett University, UK and operated by Hong Kong College of Technology International Limited.

<sup>+</sup> Course content is subject to review and changes without prior notice.

<sup>^</sup> All tuition fees are subject to annual review and change without prior notice.



# Professional Diploma in Civil Engineering

## 專業文憑（土木工程）

### Part-time 2 years

*This programme admits students in September, January and May every year*

### Programme Structure<sup>+</sup>

#### Year 1

Module	Commencement	Tuition Fee <sup>^</sup>
<ul style="list-style-type: none"><li>• Introduction to Civil Engineering</li><li>• Civil Engineering Materials</li></ul>	September	\$8,700
<ul style="list-style-type: none"><li>• Engineering Mathematics</li><li>• Site Surveying for Civil Engineering</li></ul>	January	\$8,700
<ul style="list-style-type: none"><li>• Civil Engineering Management</li><li>• English Communication Skills for Civil Engineering</li><li>• CAD</li></ul>	May	\$8,700

#### Year 2

Module	Commencement	Tuition Fee <sup>^</sup>
<ul style="list-style-type: none"><li>• Structural Mechanics for Civil Engineering</li><li>• Soil Mechanics</li></ul>	September	\$8,700
<ul style="list-style-type: none"><li>• Structural Analysis</li><li>• Fluid Mechanics</li></ul>	January	\$8,700
<ul style="list-style-type: none"><li>• Structural Design</li><li>• Traffic and Highway Engineering</li><li>• Professional Practice and Project for Civil Engineering</li></ul>	May	\$8,700

### Professional Qualification

This programme has been accredited by the Chartered Association of Building Engineers (CABE) and the Hong Kong Institution of Incorporated Engineers (HKIIE).



<sup>^</sup> Tuition fees will be reviewed and adjusted annually on various factors. All tuition fees are subject to the final approval from the Education Bureau.

<sup>+</sup> Course content is subject to review and changes without prior notice.

# Articulation Pathway 升學階梯



## MSc Civil Engineering\*

土木工程碩士  
(Registration No.:252609)



LEEDS  
BECKETT  
UNIVERSITY



## BSc (Hons) Civil Engineering\*

土木工程（榮譽）理學士  
(Registration No.:252012)



LEEDS  
BECKETT  
UNIVERSITY



## Professional Diploma in Civil Engineering

專業文憑（土木工程）



- \* 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 Limited and awarded by Leeds Beckett University, UK.
- \* HKCT reserves the right of cancellation of programme due to insufficient enrolment number or special circumstances and the right of granting offer.



# Entry Requirements

## 入學要求

### MSc Civil Engineering\* 土木工程碩士 (Registration No.:252609)

- ▶ Holders of BSc (Hons)/ BEng (Hons) in Civil Engineering (accredited for IEng) at 2.1 or above; or Holders of BEng (Hons) in Civil Engineering (accredited for partial CEng) at 2.2 or above; or
- ▶ Holders of Honours degree in relevant engineering subject at 2.1 or above; or
- ▶ Holders of other relevant non-cognate honours degree at 2.1 or above, with experience in specialist civil engineering; or
- ▶ Professionals who have substantial experience in Civil Engineering and who are i) holders of accredited civil HND or ii) an honours degree, or iii) mature applicants aged 23 or above who also possess an equivalent and relevant academic qualification; and
- ▶ Applicants should possess English language proficiency level up to IELTS 6.5 with no score lower than 6.0; or equivalent; and
- ▶ Applicants have at least three years of relevant working experience.

### BSc (Hons) Civil Engineering\* 土木工程 (榮譽) 理學士 (Registration No.:252012)

- ▶ Candidates who are holding a Higher Diploma in Civil Engineering or equivalent including the study of structural design and exhibit an overall average of at least 50% are eligible to apply for the course.
- ▶ Candidates have at least two years of relevant working experience.
- ▶ Candidates who have no Higher Diploma qualification may be considered on a case-to-case basis, providing they possess an equivalent academic qualification.

### Professional Diploma in Civil Engineering 專業文憑 (土木工程)

- ▶ Holder of Diploma for Tertiary Studies or Diploma of Professional Studies (Building Technology) or Diploma of Professional Studies (Electrical) as awarded by HKCT with at least 1-year working experience; or
- ▶ Holder of Pre-Associate Degree with at least 1-year working experience; or
- ▶ Mature applicants aged 23 or above with at least 1-year relevant working experience; or
- ▶ Holder of Higher National Certificate (HNC) or holder of Higher Certificate in Civil Engineering with at least 1-year working experience can be considered for admission into Year 2; or
- ▶ Holder of other qualifications may be entitled to have course module exemption subject to maximum 50 percent of total number of credits.

\* 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 Limited and awarded by Leeds Beckett University, UK.

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



# Academic Site Visit 參觀活動



Students visited Tseung Kwan O - Lam Tin Tunnel during construction stage

The activity broadened the students' understanding of large-scale civil engineering projects in Hong Kong



**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



### Application



### Campus:

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

\* 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 Limited and awarded by Leeds Beckett University, UK.

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