



珠海學院  
CHU HAI COLLEGE  
OF HIGHER EDUCATION



2021-2022

# MASTER OF SCIENCE IN CIVIL ENGINEERING

(Infrastructure Construction and Management)

# PROGRAMME INFORMATION

## Programme Overview and Aims

The Programme is designed to provide further education to engineering graduates in the Civil Engineering and Construction discipline. Advanced courses enriched with latest innovation technologies are offered with the aims to enable students to:

- carry out planning and financial management of large scale infrastructure projects
- effectively execute project and construction management of complex infrastructure projects
- understand more thoroughly contract law and dispute resolution methods and procedures
- acquire in-depth knowledge in the construction of bridge structures, tall buildings and foundations
- apply latest innovation and digital techniques to monitor construction process for enhancement of site safety, improvement of quality and management efficiency
- establish quality management and assurance systems for infrastructure construction
- gain the experience of running an individual capstone project

## Programme Structure

The programme comprises seven (five core and two elective) modules and one capstone project. Each module consists of 13 three-hour lectures/tutorials, which are delivered in one semester, while the capstone project spans over two semesters.

The structure of the Programme is as follows:

Type	Course Title
Core modules	Project Planning and Financial Management
	Advanced Construction Management
	Infrastructure and Building Project Management
	Contract Law and Contract Management
	Innovation and Digital Technologies for Construction
Elective modules (choose two)	Construction Technologies for Infrastructure and Bridge Structures
	Quality Assurance and Management of Construction Materials
	Construction Technologies for Tall Buildings
Project module	Capstone Project

## Medium of Instruction

English

## Mode of Study

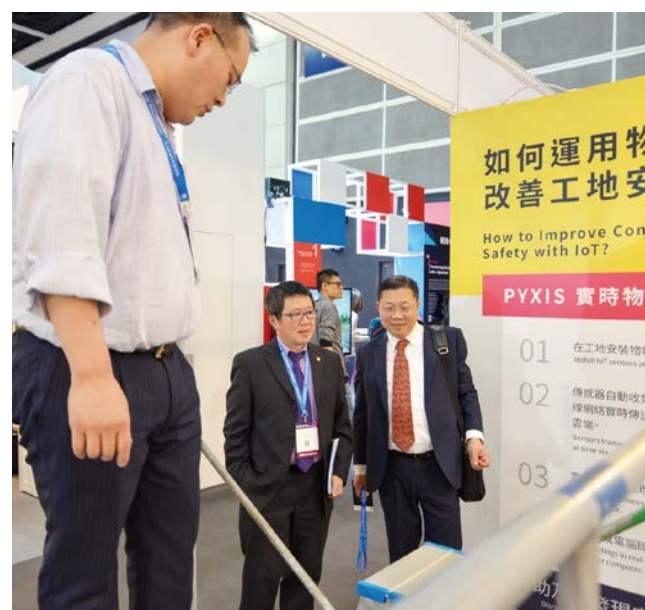
Student may choose to study the programme in either the **full-time** or **part-time** mode. For the full-time mode of study, the minimum period to complete the programme is one year, while for the part-time mode is two years.

## Venue of Class

Most classes will be held in weekday evenings (7:00pm to 10:00pm) at the Hong Kong Productivity Council (HKPC), 78 Tat Chee Avenue, Kowloon. Practical classes of the course “Innovation and Digital Technologies for Construction” will be held on the campus of Chu Hai College of Higher Education on Saturdays.

## Current Staff List

1. Ir Professor MAK Chai Kwong, Institution of Civil Engineers (ICE) Vice President and Professor in The University of Hong Kong, previously Permanent Secretary for Development, HKSAR
2. Ir Dr Patrick W T CHAN, ICE Council Member, previously Executive Director and General Manager of Shui On Civil Contractors Limited and Regional Director of ICE
3. Ir KONG Nai Kui Eva, ICE Regional Director, Hong Kong, previously Bid Manager and Corporate Risk Manager for Leighton Asia
4. Ir Dr Robin YIP Chi Po, Adjunct Professor in The University of Hong Kong, previously Programme and Course Director, HKU SPACE
5. Ir Professor Louis LAM Chi Hung, Head of Civil Engineering Department, Professor of Chu Hai College of Higher Education, Telford Premium 1983 recipient
6. Ir Professor LAU Ching Kwong, Executive Director of AECOM, previously Director of Civil Engineering Department, HKSAR
7. Ir Professor FUNG Chak Tin, previously Director of VSL, Board Chairman of FT Laboratories Limited, President of VSL Taiwan Limited
8. Ir Professor Joseph MAK Yiu Wing, Professor of Chu Hai College of Higher Education, previously Chief Structural Engineer, Hong Kong Housing Authority, Past Chairman of Structural Division, Hong Kong Institution of Engineers (HKIE), Past Chairman of Materials Division, HKIE
9. Ir Professor Amithirigala Widhanelage JAYAWARDENA, Visiting Professor of Chu Hai College of Higher Education
10. Ir KWOK Chi Tak Philip, Associate Professor of Chu Hai College of Higher Education
11. Professor Ronald LAM Chun Yu, Associate Professor of Chu Hai College of Higher Education
12. Dr. PENG Yixin, Yan, Assistant Professor of Chu Hai College of Higher Education



# ADMISSIONS

## Admissions Requirements

1. A Bachelor's degree of this College, or equivalent qualification, in the relevant field of study; and meeting one of the following English language proficiency requirements:
  - a) holding a degree from any institution where the medium of instruction is English; or
  - b) having scored Level 3 in English in Hong Kong Diploma of Secondary Education (DSE); or
  - c) having attained one of the following scores:
    - TOEFL: paper-based test not lower than 550; internet-based test not lower than 79
    - IELTS (Academic Paper): total score not lower than 6.0; OR
2. Holding a professional membership of relevant disciplines plus substantial relevant working experience. Admissions through this route will be considered on a case-by-case basis.

## Application Fee

A non-refundable application fee of HK\$300 for local applicants, or HK\$600 for non-local applicants.

(Please refer to the Finance Office website for details of payment methods).



## Application Deadline

Admissions for Semester 1 of 2021/22 Academic Year:

Local applicants: 30 June 2021

Non-local applicants: 30 April 2021

Admissions for Semester 2 of 2021/22 Academic Year:

Local applicants: 30 November 2021

Non-local applicants: 15 October 2021

## Tuition Fee

One-year full-time: Total of HK\$110,000 payable in two instalments.

Two-year part-time: Total of HK\$110,000 payable in four instalments over two years (for local applicants only).

## Commencement of Study

Students may choose to begin studying the programme in September 2021 / January 2022.

For more details, please refer to the departmental website.



## Application Procedures

Applicants should submit the following documents to the Admissions Unit of the College:

Admissions Unit [MSc in Civil Engineering (Infrastructure Construction and Management)],

E102, Chu Hai College of Higher Education,

80 Castle Peak Road, Castle Peak Bay, Tuen Mun, N.T., Hong Kong.

### 1. Completed application form

- A completed application form duly signed by the applicant
- One recent photo (photo size: 1.5 inch)
- Photocopy of Identity Card / Passport

### 2. Academic Transcript

An **official transcript** or a certified copy sent directly to the Admissions Unit in a sealed envelope by the issuing university to the following address:

Admissions Unit [MSc in Civil Engineering (Infrastructure Construction and Management)]

E102, Chu Hai College of Higher Education,

80 Castle Peak Road, Castle Peak Bay, Tuen Mun, N.T., Hong Kong.

### 3. Degree Certificates

Photocopy of **Degree Certificates** ^.

^ Applicants who obtained degrees from universities in Mainland China are required to provide:

– a certified copy of **Degree Certificate (學位證書)** and **Graduation Diploma (畢業證書)** issued by a central unit (e.g. Registry or equivalent) of your home institution; and

– an **Online Verification Report of Higher Education Qualification Certificate (教育部學歷證書電子註冊備案表)** issued by the CHESICC (學信網) or CDGDC (學位網).

The College may request for an Assessment Report from the Hong Kong Council for Accreditation of Academic & Vocational Qualifications (HKCAAVQ) on the level of qualification obtained, if necessary.

### 4. Referees

Name of 2 referees with their email addresses in support of your application

### 5. Proof of English proficiency (if applicable)

Photocopy of English Proficiency Certificate for qualifications obtained from an institution of which the medium of instruction is not in English

### 6. Proof of working experience (if applicable)

Letters of proof from employers

### 7. Proof of professional membership (if applicable)

Membership certificate

Selected applicants will receive an interview invitation by email. (Please bring along the original or a certified copy from the issuing authority of all relevant documents to your admissions interview for verification.)

## Enquiry

Programme:

Email: [civ@chuhai.edu.hk](mailto:civ@chuhai.edu.hk)

Admissions Unit:

Tel: 2972-7200 | Email: [info@chuhai.edu.hk](mailto:info@chuhai.edu.hk)



## Chu Hai College of Higher Education

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