

土木工程

(基礎建設建造及管理)

理學碩士

MASTER OF SCIENCE IN
CIVIL ENGINEERING
(INFRASTRUCTURE
CONSTRUCTION AND MANAGEMENT)



課程概述和目標

課程為土木工程的本科學業生提供深造機會。此進階課程融合創新科技，以達致以下課程目標：

- ❖ 大型基礎設施項目的策劃和財務管理
- ❖ 有效執行複雜基礎設施項目的施工和項目管理
- ❖ 深入地了解合同法和爭議解決的方法和程序
- ❖ 對橋樑結構、高層建築和地基建設等方面獲得更深入的知識
- ❖ 應用最先進的創新和數碼技術來監控施工過程，以增強現場安全性、質量和管理效率
- ❖ 建立基礎設施建設的質量管理和保證體系
- ❖ 汲取處理個人統整項目的經驗

Programme Overview and Aims

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

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

土木工程（基礎建設建造及管理）理學碩士 Master of Science in Civil Engineering (Infrastructure Construction and Management)

課程修讀模式	Mode of Study
課程編號：603301 全日制課程：一年	Programme Code: 603301 One-year Full-time Programme
課程編號：613301 兼讀制課程：二年 (只適用於本地生)	Programme Code: 613301 Two-year Part-time Programme (local students only)
授課語言 英語	Medium of Instruction English
學費 港幣 \$120,000	Tuition Fee HK\$120,000.
本地生及非本地生學費相同，如修讀超過課程所需學分，則須另繳費用。	Tuition fees are the same for local students and non-local students. Students taking more than the minimum credits required for graduation will be charged on a per-credit basis.
截止報名日期	Application Deadlines
2022/23 學年 秋季入學	Fall Intake, 2022/23 Academic Year
第一輪申請	First round
本地生及非本地生： 2022年2月28日	Local and Non-local applicants: 28 February 2022
第二輪申請	Second round
本地生： 2022年6月30日	Local applicants: 30 June 2022
非本地生： 2022年4月29日 (延期至2022年5月31日)	Non-local applicants: 29 April 2022 (extended to 31 May 2022)
2022/23 學年 春季入學	Spring Intake, 2022/23 Academic Year
本地生： 2022年11月14日	Local applicants: 14 November 2022
非本地生： 2022年10月3日	Non-local applicants: 3 October 2022

課程結構

課程由七門科目（五門核心科目和兩門選修科目）和一個專題項目組成，共 30 學分。

每個科目由 13 個三小時的課堂 / 輔導課組成，為期一個學期，而專題項目則橫跨兩個學期。

Programme Structure

The programme comprises seven courses (five core and two elective) and one Infrastructure or Building Project. Each course consists of 13 three-hour lectures/tutorials, which are delivered in one semester, while the Infrastructure or Building Project spans over two semesters.

核心科目 Core Modules

項目計劃與財務管理	Project Planning and Financial Management
進階施工管理	Advanced Construction Management
基礎設施和建築項目管理	Infrastructure and Building Project Management
合同法與合同管理	Contract Law and Contract Management
建築創新及數碼科技	Innovation and Digital Technologies for Construction

選修科目（選其二） Elective Modules (Choose Two)

基礎設施和橋樑結構的施工技術	Construction Technologies for Infrastructure and Bridge Structures
建材質量保證與管理	Quality Assurance and Management of Construction Materials
高層建築科技	Construction Technologies for Tall Building

專題項目 Project Module

基礎建設或屋宇專題項目	Infrastructure Project or Building Project
-------------	--

師資 Current Staff List

1.	Ir Dr CHAN WT Patrick, former Regional Director, Institution of Civil Engineers (ICE), former Executive Director and General Manager, Shui On Civil Contractors and former Secretary General, The Hong Kong Construction Association Limited (HKCA)
2.	Mr. CHIU Cheuk Wah Justin, Department of Civil Engineering, Chu Hai College of Higher Education
3.	Ms. CHIU Tsz Yin Rachel, Barrister, Cheng Huan Q.C., S.C. Chambers
4.	Mr. CHU Pak Ning Ian, Barrister, Gilt Chambers
5.	Ir KONG Nai Kui Eva, Capital Works Chief of Staff, MTR Corporation Limited and former Regional Director, Institution of Civil Engineers (ICE)
6.	Ir KWOK Chi Tak Philip, Department of Civil Engineering, Chu Hai College of Higher Education, former Senior Structural Engineer, Buildings Department, The Government of HKSAR and former Senior Structural Engineer, Housing Department, The Government of HKSAR
7.	Ir Professor LAM Chi Hung Louis, Head, Department of Civil Engineering, Chu Hai College of Higher Education and Recipient of Telford Premium 1983
8.	Professor LAM Chun Yu Ronald, Department of Civil Engineering, Chu Hai College of Higher Education, Vice President (Technology), LR IoT Limited and former Associate Director, Capital Markets, UBS Investment Bank
9.	Ir Professor LAU Ching Kwong, former President, The Hong Kong Institution of Engineers (HKIE) and former Director of Civil Engineering, Civil Engineering Department, The Government of HKSAR
10.	Dr. LI Xiaoqiong Natalie, Department of Civil Engineering, Chu Hai College of Higher Education
11.	Ir Professor LIU Kwok Chuen Henry, Senior Consultant, Mannings (Asia) Consultants Limited
12.	Ir Professor MAK Chai Kwong, former Vice President, Institution of Civil Engineers (ICE) and former Permanent Secretary for Development, The Government of HKSAR
13.	Ir Professor MAK Yiu Wing Joseph, former Chief Structural Engineer, Hong Kong Housing Authority, former Chairman of Structural Division, Hong Kong Institution of Engineers (HKIE) and former Chairman of Materials Division, Hong Kong Institution of Engineers (HKIE)
14.	Dr. PENG Yixin Yan, Department of Civil Engineering, Chu Hai College of Higher Education

入學條件

持有由本學院頒發的相關範疇認可學士學位或同等學歷，並符合以下任何一項英語能力要求：

1. 持有由本地或英語國家院校所頒發的學位；或
2. 若持有由非本地或非英語國家所頒發的學位，必須達致以下其中一項要求：
 - 香港中學文憑試英國語文科第三級或以上；或
 - TOEFL：筆試不低於 550 分，網絡考試不低於 79 分；或
 - IELTS（學術）：總評分不低於 6.0；或
 - CET6（大學英語六級測試）：總評分不低於 430；或
 - 其他同等英語測試證明。

Entry Requirements

Holding a Bachelor's degree of this College, or an equivalent qualification, in the relevant field of study; and meeting one of the following English language proficiency requirements:

1. Holding a degree from a degree-awarding institution in Hong Kong or any English-speaking country; or
2. In the case of holding a degree NOT from a degree-awarding institution in Hong Kong or any English-speaking country, attaining one of the following scores:
 - Hong Kong Diploma of Secondary Education (DSE): Level 3 in English;
 - 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;
 - College English Test (CET6): not lower than 430;
 - Or equivalent.



課程查詢 Programme Enquiry

電話 Tel: (852) 2972 7200

電郵 Email: civ@chuhai.edu.hk

網站 Website: <https://civ.chuhai.edu.hk>

