

DEPARTMENT OF CIVIL ENGINEERING

# 土木工程學系



## 土木工程(榮譽)工學士學位課程

Bachelor of Engineering (Hons) in Civil Engineering

課程編號:503301

Programme Code:503301

- 土木工程基礎  
CIVIL ENGINEERING FUNDAMENTALS
- 結構工程與材料  
STRUCTURAL ENGINEERING AND MATERIALS
- 岩土工程  
GEOTECHNICAL ENGINEERING
- 環境工程  
ENVIRONMENTAL ENGINEERING
- 水力學及廢水工程  
HYDRAULICS AND WASTE WATER ENGINEERING

## 建造工程及管理(榮譽)工學士學位課程

Bachelor of Engineering (Hons)

in Construction Engineering and Management

課程編號:503302

Programme Code:503302

- 建造科技  
CONSTRUCTION TECHNOLOGY
- 項目及建造管理  
PROJECT AND CONSTRUCTION MANAGEMENT
- 建築創新科技應用  
INNOVATION AND TECHNOLOGY APPLICATIONS  
IN CONSTRUCTION
- 維修技術及管理  
MAINTENANCE TECHNOLOGY AND MANAGEMENT
- 建築法及經濟  
CONSTRUCTION LAW AND ECONOMICS



## 課程目標

### Aims of the Programmes

土木工程學系提供兩個學士課程：土木工程（榮譽）工學士學位課程及建造工程及管理（榮譽）工學士學位課程。兩個課程均全面通過香港工程師學會（HKIE）評審。課程涵蓋土木工程不同範疇，包括基建、樓宇及橋樑的設計與建造。課程領域廣且層面多，能配合現今土木工程科技最新發展，為將來專業發展作準備。而建造工程及管理課程則專注於特定專業範疇，如建築工程與管理方面之訓練。

本學系的老師均具備優異學術背景及廣泛實務經驗，致力培育可靠、有承擔及著重專業操守與社會責任的工程師。

The Department of Civil Engineering offers two programmes: Bachelor of Engineering (Hons) in Civil Engineering and Bachelor of Engineering (Hons) in Construction Engineering and Management. These two programmes are fully accredited by Hong Kong Institution of Engineers (HKIE). They provide a broad-spectrum of knowledge in civil engineering which includes the design and construction of infrastructure, buildings and bridges. The Civil Engineering programme places balanced coverage and emphasis on various civil engineering subjects so as to provide the fundamentals and theories for future specialisation. The Construction Engineering and Management programme emphasises strongly on various practical aspects involved in the construction industry.

Besides excellent academic knowledge, teachers in the department are also equipped with extensive practical experience in civil, structural and environmental engineering. Together with the introduction of professional ethics and social responsibility, we have the mission to nurture reliable and responsible engineers of the future.



# 就業與升學出路

## Career Prospects and Further Studies

### ● 就業方面

緩解土木工程師長期不足的問題

最近的畢業生就業調查顯示，本學系畢業生的就業機會可分為以下幾類：

- 政府部門
- 顧問公司
- 承建商
- 實驗室

### ● Career Prospects

Easing the Long-existing Shortage of Civil Engineers

Our recent graduate employment survey indicates that the career opportunities of our graduates can be classified into the following categories:

- Government
- Consultant
- Contractor
- Laboratory

### ● 升學出路

海外大學如美國、英國、澳洲、德國及加拿大

### ● Further Studies

Overseas universities in the USA, the UK, Australia, Germany and Canada

## 土木工程畢業生就業機會

## Employment Opportunities of Civil Engineering Graduates



劉文漢 2021年畢業 | 科進香港有限公司

Mr. LIU Wenhan, Jayden Graduate of 2021  
WSP (Asia) Limited.



林澤鈺 助理工程師 2021年畢業 | 中國建築工程(香港)有限公司

Mr. Lin Zeyu, Sam Assistant Engineer, Graduate of 2021  
China State Construction (Hong Kong) Ltd.

香港的基建和建設項目多年來一直持續增長，土木工程師機遇處處。在過去五年裏，我們的畢業生就業人數達90%以上，主要從事土木工程和結構工程相關工作。當中有些畢業生受聘於OveArup，AECOM和P&T等知名顧問工程公司以及金門、香港寶加、中國建築、瑞安及俊和等承建商。

In Hong Kong, the infrastructure and building projects have been sustainably growing for many years, hence there are plenty of employment opportunities for civil engineers. Over the past five years, our college graduates have attained over 90% employment, mainly in civil and structural engineering firms. They are respectively employed by renowned consultants like Ove Arup, AECOM and P&T; and contractors such as Gammon, Dragages, China State, Shui On and Chun Wo.



## 學生活動 Student Activities



### 2019建造創新博覽會

學生於2019年12月19日參觀了2019建造創新博覽會，透過遊覽多達120個參展商的展覽，增加了對建造業界應用創新科技的認識。

#### CIExpo 2019

Students visited over 120 exhibitors to gain insights on the latest innovative solutions and applications in construction industry in the Construction Innovation Expo 2019 (CIExpo 2019) on 19 December 2019



### 工地安全體驗

學生於2020年1月9日到馬灣挪亞方舟參加由建造業議會和香港建造商會合辦的一天工地安全體驗，學習了不同範疇（高空工作、吊運工作及臨時工程）的安全知識及個人保護裝備的用途。

#### Experiential Learning on Site Safety

Students joined a one-day training programme organised jointly by the Construction Industry Council (CIC) and the Hong Kong Construction Association (HKCA) at Norah's Ark in Ma Wan on 9 January 2020. Students learnt different aspects of safety for work-at-height, lifting operations, temporary work and use of personal protective gear.





## 比賽 Competition

### Low-Carbon Concrete Trophy Competition 2022

土木工程系學生代表隊在「低碳混凝土獎杯比賽2022」中奪得學生組冠軍獎杯。這項由香港工程師學會結構、岩土及材料分部舉辦的比賽旨在提高業界對低碳混凝土的認識和興趣。

A student team from the Department of Civil Engineering won the Champion Trophy in the Student Category of the Low Carbon Concrete Trophy Competition 2022, jointly organised by the Structural, Geotechnical and Materials Divisions of the Hong Kong Institution of Engineers to raise the awareness and interest of stakeholders in the industry on the benefits of using low carbon concrete.



### Best Final Year Projects MERIT AWARDS

香港工程師學會 (HKIE) 土木分會舉辦了2021/22年度最佳畢業論文獎。土木工程系兩名學生在其他本地專上院校的約二十名提名參賽者中脫穎而出，奪得優異獎。

The Civil Division of the Hong Kong Institution of Engineers (HKIE) organised the Best Final Year Project Award 2021/22 competition. Two students from the Department of Civil Engineering won Merit Award among a total of about 20 nominated contestants from other local tertiary educational institutions.



### 學生出席2023年

#### 英國土木工程師學會的主席招待會

Students attended Presidential Reception 2023 of Institution of Civil Engineers (ICE)

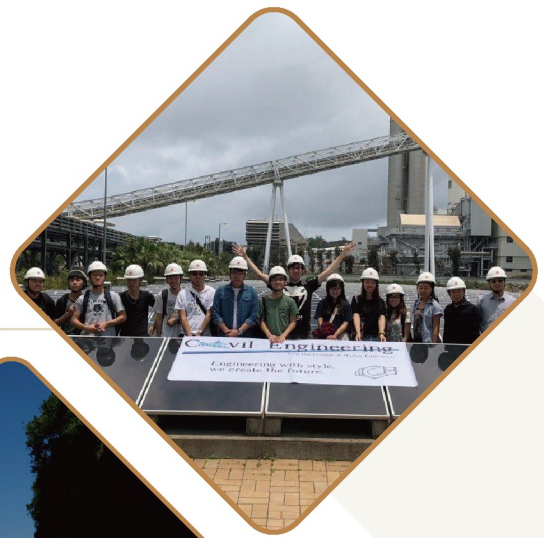




## 考察 Site Visits

### 港燈南丫發電廠

Lamma Power Station of Hong Kong Electric



### 東平州地質實地考察

Tung Ping Chau Geology Field Trip



## 實習 Internships



學系與不同機構合作，為同學提供實習機會  
The Department works with different organisations to provide our students with internship opportunities.



### 黃梓洋 WONG Tsz Yeung, Alex / 2020-2021 Year 3 Student

本人有幸於俊和建築工程有限公司進行為期兩個多月的實習。實習期間，我有機會與不同的顧問和承建商溝通，清楚了解到整個工程項目的運作，亦學習到設計圖中的細節和施工等專業知識。這些經驗對畢業後投身工作都是大有裨益的。

I had an opportunity to work as an intern at Chun Wo Construction & Engineering Corporation Ltd. for more than two months. During the internship, I had a lot of opportunities to communicate with different consultants and contractors, which have enriched me with a comprehensive understanding of the operation of the entire construction project. I have learnt professional knowledge such as details of design drawing and operations in construction process. These precious experiences are beneficial to my future work after graduation.



### 李梓楠 LI Zinan, Nina / 2020-2021 Year 3 Student

本人有幸於中國建築工程(香港)有限公司進行了接近兩個半月的實習。在實習期間，我運用到學院所傳授的知識，讓我對這個行業有了更深入的了解，也讓我對自己未來的職業規劃有了更明確的目標。

I have the honor to work as an intern at China State Construction Engineering (Hong Kong) Ltd. for nearly two and a half months. During the internship, I often applied the knowledge I learned from engineering graphics and slope engineering courses in tasks. I am very grateful to the College and the company for giving me this precious internship opportunity, which has enabled me to have a deeper understanding of the industry and a clearer goal for my future career planning.



## 校友感言

### Message from Alumni



劉正光博士 Ir Dr C. K. LAU

1965年畢業，現已退休，曾任青馬大橋工程師，土木工程署署長等高級職位。

Graduate of 1965 Retired - Former Chief Engineer of the Tsing Ma Bridge and Director of Civil Engineering Department, the HKSAR Government

今天的成就實有賴當天於珠海學院的啟蒙老師。土木工程系的教授均有豐富經驗，他們的專業啟發了我對工程的興趣，並讓我有鞏固的土木工程知識，為往後的工作打好基礎。

My success was mainly due to the great mentors from the Department of Civil Engineering, whose extensive years of experience greatly inspired me to become a civil engineer and provided me with solid civil engineering knowledge, which subsequently laid the foundation for my life-long career.



馮澤田博士 Ir Dr C. T. FUNG

1978年畢業，曾任 VSL Hong Kong Ltd 執行董事

Graduate of 1978 - Former Director of VSL Hong Kong Ltd

竊以為余能立足於業界，實幸於求學時期得蒙珠海學院土木工程系吳根彰教授及莫裕佛教授等諸位老師之悉心教導，始能至此也。

Frankly speaking, I don't think I could be accepted to work in the industry without having a chance to learn from Professor NG, Kan-Cheung and Professor MOK, Yu-fuk et al, who taught me when I was studying in the Department of Civil Engineering, Chu Hai College.



伍家濠 Mr Gerard NG

2012年畢業，高級工程師，瑞峰工程顧問有限公司

Graduate of 2012, Senior Engineer, SMEC Asia Limited.

作為一個專業工程師，由設計到施工都要有非常清晰的藍圖，具備良好的工程知識和判斷力，勤勉同學必須裝備自己。

As a professional engineer, a clear blue-print is of utmost importance for both design work and construction work. Students are encouraged to equip themselves to have rich engineering knowledge and engineering judgement.