

DEPARTMENT OF CONSTRUCTION MANAGEMENT AND INTELLIGENCE

建設管理及智能學系

Introduction

Since its inception in 1937, the Department of Construction Management and Intelligence (CMI) has been dedicated to educating and supporting students in achieving professionalism within the construction and real estate industries. We are aspired to be a world-class academic department in these fields.

In our pursuit of academic excellence, CMI offers a comprehensive range of internationally recognised undergraduate and postgraduate programmes. Our curriculum is designed to develop students' professional capabilities and help them realise their full potential. Our programmes are delivered by a multidisciplinary team of academics with expertise in surveying, architecture, construction management, building engineering, construction technology, real estate, town planning, finance, housing, law and economics. Nowadays, the construction sector has undergone a significant shift to adopting 'Construction 2.0', calling for a technology-driven approach to achieve 'innovation', 'professionalisation', and 'revitalisation'. To cater for the growing demand for top talent, our programmes are designed to equip students to address the evolving needs of the sector with strong emphasis on digitalisation and technology. CMI has established a robust network with industry professionals and government bodies with many of our alumni taking the leadership role in the construction and real estate sectors.

QS World University Rankings by Subject 2026



CMI Programmes

PhD/MPhil programmes

- CMI offers PhD/MPhil in a wide range of areas relevant to the construction industry

Doctorate programme

- Doctor of International Real Estate and Construction

MSc programmes

- MSc in Construction and Real Estate
- MSc in Intelligent Construction
- MSc in Project Management

BSc (Hons) programmes

- BSc (Hons) in Building Engineering and Management (Secondary Major option is available)
- BSc (Hons) in Surveying

Enquiries

www.polyu.edu.hk/cmi/



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Undergraduate Admission Pathways for Applicants

Welcome to PolyU, where innovation and technology drive our academic environment, fostering national pride, social responsibility, and a global perspective. Our undergraduate admission initiative empowers students to align their pathways with their passions, offering an extensive array of choices and flexibility. Applicants can pursue their preferred CMI undergraduate programmes through **one of the following pathways**:

1 |

Direct selection of one of the three CMI undergraduate programmes

- BSc (Hons) in Building Engineering and Management (JS3791)
- BSc (Hons) in Surveying (JS3789)

2 |

Selection of the broad discipline scheme

- BEng (Hons)/BSc (Hons) Broad Discipline Scheme in Construction and Environment (JS3004)

All admitted students to programmes offered by the Faculty of Construction and Environment (including JS3791, JS3789 and JS3004) will embark on a Common Year One curriculum. After the first year of studies, students can decide whether to continue with their initial choice of programme or switch to another programme within the Faculty. Those in the broad discipline (JS3004) and those who wish to switch scheme/programme can choose their preferred departmental scheme/programme through a ranking assessment.

Scholarships

In recognition of academic excellence, a wide range of scholarships are available for outstanding CMI students throughout their 4-year studies.

Enquiries

www.polyu.edu.hk/study/ug



BACHELOR OF SCIENCE (HONOURS) IN SURVEYING

地產及建設測量學(榮譽)理學士學位

(JUPAS CODE: JS3789)

Mode of Study

Full-time

Normal Duration

4 years

Credit Required for Graduation

121 (plus 2 training credits)

Programme Highlights

The programme allows students to choose freely a discipline from Building Surveying (BS), General Practice Surveying (GP), Planning and Development (PD), Property and Facility Management (PFM) and Quantity Surveying (QS) to pursue. The industry is experiencing robust growth and high demand for professionals, driven by large-scale land and infrastructure development. Currently, the industry is at the forefront of adopting new technologies, with a strong demand for tech-savvy professionals. With the programme's international recognition, students can pursue surveying careers in various countries and regions.

Professional Recognition



The Hong Kong Institute of Surveyors (HKIS)



The Hong Kong Institute of Construction Managers (HKICM)



The Royal Institution of Chartered Surveyors in the UK (RICS)

Prospects and Salary

Majority of the graduating class has been offered employment before or shortly after the final examination. Our graduates readily find employment as professional trainees in various international surveying consultancies, property development companies, construction companies, quasi-public organisations and government departments (such as the Rating and Valuation Department, the Lands Department, the Housing Department, the Architectural Services Department, the Buildings Department, and so forth). In recent years, some graduates have also been recruited into business and financial institutions in the fields of asset and facility management.

Salary of Fresh Graduates in 2024:

Average Salary:
HK\$24,267-
Maximum Salary:
HK\$54,100-

Award Co-ordinator

Prof. Michael C.P. Sing

BSc (Hons), MEng, PhD, FRICS, MAIBS, MAIPM

✉ michael.sing@polyu.edu.hk



Enquiries | (852) 3400 8121

NON-JUPAS

Local Senior Year Admissions

Programme Code: 32405-SYS

Normal Duration: 2 Years (Full-time)

Entrance Requirements:

An Associate Degree or a Higher Diploma in a relevant discipline. In addition to academic results, preference will be given to applicants with better English proficiency.



BACHELOR OF SCIENCE (HONOURS) IN **SURVEYING**

地產及建設測量學(榮譽)理學士學位

(JUPAS CODE: JS3789)

Graduates' Sharing

Billy CHUNG Chun Yin

First-class Honours

Studying the Surveying Programme at CMI has been an incredibly rewarding experience. It provided me with a robust education that seamlessly integrated theoretical knowledge with practical applications. Courses covering surveying, construction technologies, and urban planning have broadened my perspective and honed my analytical skills. Throughout my studies at CMI, I was fortunate to receive various scholarships and awards, such as the Mr. Mike Wong Real Estate Development Scholarship, the Undergraduate Research and Innovation Scheme Scholarship, and the Dean's honour list. These acknowledgments encouraged me to strive for excellence. I also had the opportunity to collaborate with my classmates and participate in global competitions such as the CIOB Global Student Challenge, where we reached the final. Graduating with First-class honours in Surveying has significantly influenced my academic and professional journey, providing a strong foundation for my future PhD studies. As I look forward to pursuing a PhD at CMI with the PolyU Research Postgraduate Scholarship, I am confident that the knowledge and experiences gained during my undergraduate studies have laid a strong foundation for advanced research. I am excited to continue my academic journey at CMI, where I aim to further explore my research interests and contribute to the advancement of knowledge in surveying and the built environment.



Simon HO Sik Man

First-class Honours

My journey at CMI has been very fruitful, thanks to the diverse courses that provided me with in-depth knowledge to the real estate sector. Subjects like construction technologies, real estate economics, project management, and construction law have thoroughly prepared me to become a professional surveyor. The dedicated and passionate teachers at CMI have been instrumental in my success. With the generous support of my supervisor, I was honored that my dissertation was presented at the Symposium at Massachusetts Institute of Technology (MIT) by my supervisor. I am also grateful for the various awards I received during my undergraduate studies, made possible by the continuous support of CMI's professors and tutors. CMI's strong industry connections and the support from alumni are beneficial for students. For instance, I received the Sun Hung Kai Properties and Kwoks' Foundation Scholarship in 2023 and the Mr. Mike Wong Real Estate Scholarship in 2022, both generously donated by CMI and PolyU alumni. Various firms have also provided internship opportunities for CMI students to familiarize themselves with the real estate industry before graduation. These experiences have sharpened my technical skills and enhanced my interpersonal and communication abilities. The opportunities provided by CMI and PolyU paved the way for me to be a future leader in the field.

BACHELOR OF SCIENCE (HONOURS) IN BUILDING ENGINEERING AND MANAGEMENT

建築工程及管理學(榮譽)理學士學位

(JUPAS CODE: JS3791)

**Mode of
Study**

Full-time

**Normal
Duration**

4 years

**Credit Required for
Graduation**

121 (plus 2 training credits)

Programme Highlights

The programme provides an excellent opportunity for students to pursue an education in the building engineering and construction management profession. Construction industry in Hong Kong and the Greater Bay Area requires graduates who possess highly specialised skills in technology, management and communication. Our well-trained graduates are in great demand as professional building engineers and construction managers who possess necessary expertise to plan, coordinate and manage the complex process of building projects. The programme emphasizes digitalisation and construction technology, preparing students to adapt to the industry's evolving needs.

Secondary Major

The option of a Secondary Major in **Artificial Intelligence and Data Analytics (AIDA)** is available to the students of Award Major in BSc (Hons) in Building Engineering and Management. [With Secondary Major, Credits Required for Graduation: 144 (including 142 academic credits plus 2 training credits)]

Professional Recognition



The Hong Kong Institution
of Engineers (HKIE)



The Hong Kong Institute of
Construction Managers (HKICM)



The Chartered Institute of
Building in the UK (CIOB)

Prospects and Salary

Following appropriate training in industry, graduates will become building engineers and/or construction managers. The continuing growth of Hong Kong's building and infrastructure development offers ample opportunities for challenging and rewarding careers. Our graduates usually take up positions with construction companies or real estate development companies.

**Salary of Fresh Graduates
in 2024:**

Average Salary:
HK\$27,329-

Maximum Salary:
HK\$32,383-

Award Co-ordinator

Prof. Hung-Lin CHI
BSc, MSc, PhD
✉ hung-lin.chi@polyu.edu.hk



Enquiries | (852) 2766 5807

NON-JUPAS

Local Senior Year Admissions

Programme Code: 32405-SYB

Normal Duration: 2 Years (Full-time)

Entrance Requirements:

An Associate Degree or a Higher Diploma in a relevant discipline. In addition to academic results, preference will be given to applicants with better English proficiency.



BACHELOR OF SCIENCE (HONOURS) IN BUILDING ENGINEERING AND MANAGEMENT

建築工程及管理學(榮譽)理學士學位

(JUPAS CODE: JS3791)

Graduates' Sharing

Michele LUI Wing Chi

- 2020 CIOB Construction Manager Gold Winner of the Year
- 2020 CIC Outstanding Construction Manager Sustainability Award
- 2021 RICS Hong Kong Young Achiever of the Year
- 2022 HKSAR Chief Executive's Commendation
- 2023 Outstanding Alumni Award of PolyU (at both the Faculty and Department Levels)

I truly cherished my studies in the Department of Construction Management and Intelligence (CMI), PolyU, which has deeply elevated my learning exposure and prepared me to pursue and advance my career in the industry. Our hands-on learning and contribution in voluntary renovation service to a special-needs primary school under the guidance of PolyU Industrial Centre's lecturers has led our team to receive the award of Certificate of Excellence in PolyU. Under the Mentorship programme, I was paired with a master from the field as my mentor to deepen my understanding of the construction field and work environment. After graduation, I joined Hip Hing Construction Group as Management Trainee and was promoted to be Project Manager. I participated in significant projects, such as Xiqu Centre and MiC (Modular Integrated Construction) projects. I was honoured by Construction Industry Council as the MiC Champion 2022 for my project expertise. PolyU and CMI have provided a solid foundation and played a crucial role in shaping my professional pathway.



Steven WONG Ming Chun

I started my career as a project management trainee in Hip Hing Construction Group, one of the leading contractors in Hong Kong. I am grateful for the all-round training and eye-opening exposure in my study in CMI. It offered me solid technical knowledge and more importantly, I developed the 'engineering' mind-set that is crucial to a professional in the competitive construction industry. On top of the comprehensive courses, a large number of opportunities were provided for my personal growth, for example, study tour, exchange programme, internship, mentorship and industrial conferences. I participated in a one-semester exchange programme in Loughborough University, the UK. This remarkable experience has widened my horizons and further enabled me to be competent in the challenging work environment. 'Building Engineering' is a challenging profession. I do believe choosing CMI for a comprehensive study will be a great start if you share the same passion with us to build a better home.

STUDENT EXCHANGE PROGRAMME

Programme Aims

Exchange programme is essential for offering global perspectives to our students. It provides students with an opportunity to broaden their experience, widen their horizons, gain an understanding of other cultures, and enhance their professional and social prospects. Both PolyU and CMI have strong partnerships with prestigious universities around the world.

Students spend one semester studying at a university overseas, in Mainland China or Taiwan. Funding support and scholarships are available from the university and faculty.

Benefits to students

- Credit transfer for CMI Subjects*
- Waive of the tuition fee to study in an internationally recognized university
- Academic opportunities
- Career advantages
- Global perspective
- Personal growth

* Subject-matching pre-approval is needed

* Pre-approval for subject-matching is needed.



Webpage of CMI Exchange

polyu.hk/qPOCc

Further information

Please contact our Departmental Student Exchange Officer.

Prof. Yi Wen

✉ wen.yi@polyu.edu.hk ☎ (852) 2766 4261

CMI Student Exchange Team

✉ cmi.exchange@polyu.edu.hk



INTERNATIONAL STUDY

Programme Aims

The subject 'International Study' aims to expand students' horizons through out-of-classroom learning experiences in various cities and countries to study and analyse the construction and real estate industries. It enhances students' problem-solving skills by exposing them to global practices and conventions. Students are expected to acquire advanced knowledge and practices in construction and real estate sectors, both locally and internationally.

Benefits to students

- Global insights into the international construction and real estate markets
- Enhanced ability to develop innovative solutions for challenges
- Elevated leadership skills and teamwork capabilities



WORK-INTEGRATED EDUCATION

Work-Integrated Education (WIE) is designed to provide students with a work-based learning experience through internship that takes place in a real-life work environment which is relevant to the students' chosen professions. Students could acquire the skills in problem-solving, communication, working in a team, and learning through professional practice in the workplace.

Work opportunities for our students

A number of local industry leaders, including the Hong Kong Housing Society, Gammon Construction, Hip Hing Construction, Kai Shing Management Services Limited and Rider Levett Bucknall Limited are WIE Supporters. Students could also choose the internship overseas and in Mainland China.



ACADEMIC ADVISING

Meeting with Academic Advisors assist students to make informed decisions about the programme choice and GUR study that suit their intellectual, professional and personal development goals. Students can understand their curriculum (both Major and GUR) and get advice and guidance if they face any academic challenges. Students can also plan their studies better to help them realise academic, career and personal goals.

In Academic Advising, each undergraduate student is paired up with a Designated Academic Advisor from CMI. Every student is required by the University to meet with AA at least twice a year, preferably once a semester.



MENTORSHIP SCHEME

The Mentorship Scheme provides a platform for our young generation to connect with professional practitioners and seniors in the industry. This is a unique scheme in CMI designed based on the department's strong alumni networks. Before entering the profession, CMI students can benefit from the mentor's sharing of valuable experiences and views, which helps mentees broaden their learning and prepare them to face future professional challenges.

