THE HONG KONG POLYTECHNIC UNIVERSITY
香港理工大學

School of Professional Education and Executive Development
專業進修學院
SPEED



PolyU SPEED
2027/28

Degree Awarded by PolyU
學位由理大頒授

September 2027 Entry
2027年9月開學

Smart Buildings, Building Dreams
智慧建築 築夢未來

Master of Science in Smart Engineering and Construction
(full-time/part-time)

智慧工程及建築理學碩士
（全日制/兼讀制）

- **Acquire Cutting-Edge Skills:** Learn the latest smart construction technologies
  教授尖端技能－學習最新智慧建築技術
- **Cultivate Leadership Abilities:** Apply automation, data analysis, digital solutions, and advanced engineering techniques to drive industry innovation
  培養領袖能力－應用自動化、數據分析、數碼解決方案和先進工程技術，推動行業創新
- **Forge a Professional Path:** Graduates can hold senior positions in areas such as engineering planning and design, system maintenance, project management, and innovation and research
  打造專業之路－畢業後可在工程規劃與設計、系統維護、項目管理及創新與研究等範疇，擔當高級職位

Professional Recognition
專業認可

The Hong Kong Institute of Building Information Modelling (HKIBIM): Graduates who successfully complete the subject SEHS5013 Building Information Modelling will be eligible to apply for Professional Membership or Associate Membership, subject to fulfilling the required years of relevant local practical experience in BIM projects.
香港建築信息模擬學會（HKIBIM）：畢業生成功完成 SEHS5013 Building Information Modelling 科目後，在符合在本地 BIM 項目中累積所需年數的相關實務經驗的要求下，有資格申請成為其專業會員或附屬會員。

Programme Basic Information 課程基本資料

Normal Duration: 1 year (Mixed-mode Full-time) / 2 years (Mixed-mode Part-time)
修讀年期：1年（混合模式全日制）/ 2年（混合模式兼讀制）

Tuition Fee：
學費：

Commencement Date: September 2027 Entry
開課日期：2027年9月開學

Programme Structure 課程結構

Students are required to complete 11 subjects in a total of 31 credits with satisfactory results as well as passing an e-learning course (non-credit bearing) to fulfil the National Education Requirement in order to obtain a master's degree.
學生需要完成11 個科目合共 31 個學分，取得滿意成績，並需於一科電子學習科目（非學分）取得合格成績，以滿足國民教育要求，方可取得碩士學位。



Compulsory Subjects (All 6 subjects; 3 credits each unless otherwise specified)
必修科目（全部 6 科目，每科 3 學分，另有規定除外）

- Academic Integrity and Ethics in Engineering (1 credit學分)
- Advanced Intelligent Buildings
- Building Information Modelling
- Environmental Assessment and Control
- Safety Aspects and Management
- Web 3.0 Technologies

Elective Subjects# (Any 5 subjects; 3 credits each)
選修科目# （任何 5 科目，每科 3 學分）

- Building Whole Life Carbon and Cost Analysis
- Circular Economy in Built Environment
- Clean Energy and Smart Grids
- Dissertation in Smart Engineering and Construction
- Electrical and Utility Systems
- Energy Requirement and Strategy
- Green Technologies
- Heat, Ventilation and Air Conditioning
- Indoor Environmental Quality
- Intelligent Power Distribution Systems
- Smart and Sustainable Materials in Construction
- Strategic Facility Planning and Project Management

Offering of any elective subjects is subject to sufficient enrolment. 每科選修科必須有足夠報讀人數才會開辦。

Career Prospects 就業前景

Graduates of the MSc in Smart Engineering and Construction programme can embark on rewarding careers in senior positions across a variety of sectors, including government departments, engineering consulting companies, construction contractors, and international engineering enterprises.
智慧工程及建築理學碩士課程畢業生可在不同領域擔任高級職位，包括政府部門、工程顧問公司、建築承建商及國際工程企業等。

Given the rapid growth in the construction and electrical & mechanical industries in Hong Kong, our graduates will be presented with numerous attractive employment opportunities in engineering planning and design, system installation, product manufacturing, system maintenance and servicing, project management, and innovation and research.
隨著香港建築、電機及機械工程行業的快速發展，畢業生不乏就業機會，包括工程規劃和設計、系統安裝、產品製造、系統維護和服務、項目管理，以及創新和研究。

Entrance Requirements 入學要求

Holders of a recognised bachelor's degree, or an equivalent qualification in engineering, science or technology.
持有認可的工程、科學或科技學士學位或同等學歷。

Applicants without a bachelor's degree but with other relevant qualifications and/or appropriate work experience will also be considered.
未持有學士學位但具備其他相關學歷及 / 或合適工作經驗的申請人亦會被考慮。

For details of entrance requirements, please visit the programme webpage.
入學要求詳情，請瀏覽課程網頁。

For more information, please contact:
想了解更多，請聯絡：

Programme Leader 課程統籌
Dr James Chau 周振邦博士
BEng, PhD [PolyU(H.K.)]
(852)3746 0237 (852)6882 8323
james.chau@cpce-polyu.edu.hk

Assistant Programme Leader 助理課程統籌
Ir Dr Zhu Bo 朱波博士工程師
BEng (Peking U.); PhD (H.K.U.S.T.)
(852)3746 0119 bo.zhu@cpce-polyu.edu.hk

Enquiries 查詢

(852)3746 0900 cpce.ar@cpce-polyu.edu.hk

PolyU West Kowloon Campus 香港理工大學西九龍校園
9 Hoi Ting Road, Yau Ma Tei, Kowloon, Hong Kong
香港九龍油麻地海庭道 9 號

The School reserves the right to update the contents of this programme brochure and to change or withdraw programmes or subjects described here.
學院有權更改此課程單張內容或撤銷此單張所述課程或科目。
School of Professional Education and Executive Development is operated by College of Professional and Continuing Education Limited which is an affiliate of The Hong Kong Polytechnic University.
專業進修學院是由香港理工大學之附屬機構專業及持續教育學院有限公司管理。

HK.PolyUSPEED polyu_speed polyu-speed polyu-speed

Programme Details 課程詳情