



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

2026/27

September 2026
Entry

2026年
9月
開學

Smart Buildings, Building Dreams
智慧建築 築夢未來

Degree
Awarded by
PolyU
學位由理大
頒授

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

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: HK\$201,190

學費：港幣201,190元

Commencement Date: September 2026 Entry

開課日期：2026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.

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.

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。

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.

Applicants without a bachelor's degree but with other relevant qualifications and/or appropriate work experience will also be considered.

For details of entrance requirements, please visit the programme webpage.

持有認可的工程、科學或科技學士學位或同等學歷。

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。

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

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Assistant Programme Leader 助理課程統籌

Dr Zhu Bo 朱波博士

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Enquiries 查詢

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The School reserves the right to update the contents of this programme brochure and to change or withdraw programmes or subjects described here.
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Programme Details 課程詳情