



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
开学

Smart Buildings, Building Dreams
智慧建筑 筑梦未来

Degree
Awarded by
PolyU

学位由理大
颁授

Master of Science in Smart Engineering and Construction

(full-time/part-time)

智慧工程及建筑
理学硕士

(全日制/兼读制)

- **Acquire Cutting-Edge Skills:** Learn the latest smart construction technologies
教授尖端技能－学习最新智慧建筑技术
- **Cultivate Leadership Abilities:** Apply automation, data analysis, digital solutions, and advanced engineering techniques to drive industry innovation
培养领袖能力－应用自动化、数据分析、数码解决方案和先进工程技术，推动行业创新
- **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
打造专业之路－毕业后可在工程规划与设计、系统维护、项目管理及创新与研究等范畴，担当高级职位

Programme Basic Information 课程基本资料

Normal Duration: 1 year (Mixed-mode Full-time) / 2 years (Mixed-mode Part-time)

修读年期：1年（混合模式全日制） / 2年（混合模式兼读制）

Tuition Fee: HK\$201,190

学费：港币201,190元

Commencement Date: January 2026 Entry

开课日期：2026年1月开学

Programme Structure 课程结构

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.

学生需要完成11个科目合共31个学分，取得满意成绩，并需于一科电子学习科目（非学分）取得合格成绩，以满足国民教育要求，方可取得硕士学位。



Compulsory Subjects (All 6 subjects; 3 credits each unless otherwise specified)

必修科目（全部6科目，每科3学分，另有规定除外）

- Academic Integrity and Ethics in Engineering (1 credit 学分)
- 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)

选修科目[#]（任何5科目，每科3学分）

- 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. 每科选修科必须有足够报读人数才会开辦。

Career Prospects 就业前景

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.

智慧工程及建筑理学硕士课程毕业生可在不同领域担任高级职位，包括政府部门、工程顾问公司、建筑承建商及国际工程企业等。

随着香港建筑、电机及机械工程行业的快速发展，毕业生不乏就业机会，包括工程规划和设计、系统安装、产品制造、系统维护和服务、项目管理，以及创新和研究。

Entrance Requirements 入学要求

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.

持有认可的工程、科学或科技学士学位或同等学历。

未持有学士学位但具备其他相关学历及 / 或合适工作经验的申请人亦会被考虑。

入学要求详情，请浏览课程网页。

For more information,
please contact:

想了解更多，请联络：

Programme Leader 课程统筹

Dr James Chau 周振邦博士

BEng, PhD [PolyU(H.K.)]

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Assistant Programme Leader 助理课程统筹

Dr Zhu Bo 朱波博士

BEng (Peking U.); PhD (H.K.U.S.T.)

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Enquiries 查询

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Programme Details 课程详情

