THE HONG KONG POLYTECHNIC UNIVERSITY
香港理工大學

Opening Minds • Shaping the Future • 啟迪思維 • 成就未來
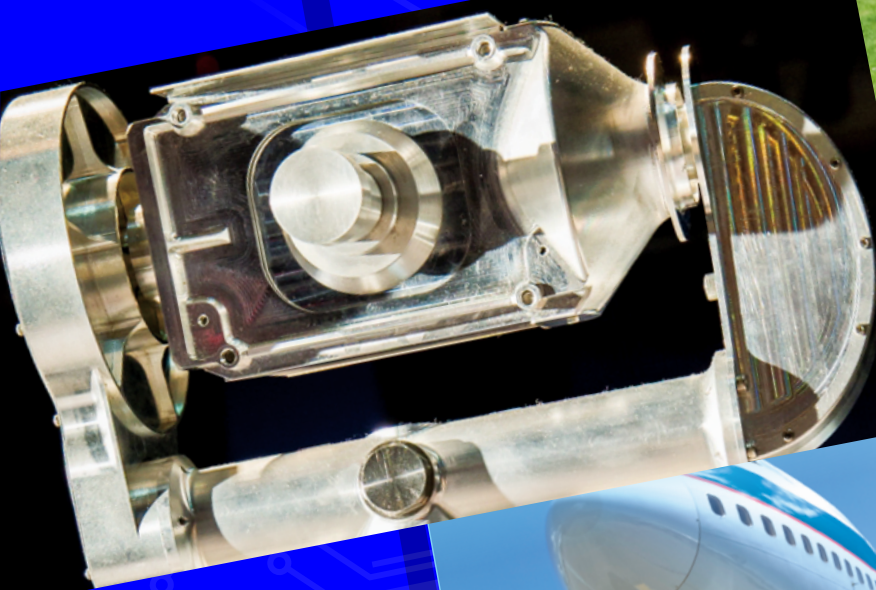
FACULTY OF ENGINEERING
工程學院
WHERE CONCEPTS BECOME REALITY

Join One of the World's Leading Universities in Engineering, Technology and Computer Science

Pursue Excellence with
- Our Distinguished Group of Internationally Renowned Academics
- Our World-Class Facilities and Equipment
- Our Broad-based Interdisciplinary Study Opportunities

Engineering is one of the founding disciplines of the University building on a tradition of engineering excellence for 85 years. As a pioneer provider of application-oriented education in Hong Kong, the Faculty and its constituent departments have groomed quality professionals to support the ongoing development of technology enterprises and helped enhance the competitiveness of Hong Kong and the Greater Bay Area.

Constituent Departments

Department of Aeronautical and Aviation Engineering
航空及民航工程學系
www.polyu.edu.hk/aae

Department of Biomedical Engineering
生物醫學工程學系
www.polyu.edu.hk/bme

Department of Computing
電子計算學系
www.polyu.edu.hk/comp

Department of Electrical Engineering
電機工程學系
www.polyu.edu.hk/ee

Department of Electronic and Information Engineering
電子及資訊工程學系
www.polyu.edu.hk/eie

Department of Industrial and Systems Engineering
工業及系統工程學系
www.polyu.edu.hk/ise

Department of Mechanical Engineering
機械工程學系
www.polyu.edu.hk/me

Our bachelor's, master's and doctoral degrees offer students broad-based interdisciplinary study opportunities to meet the emerging needs of industries. Learning of students is well supported by the University's Work-Integrated Education Programme, and a range of educational exchanges and learning activities which help students build all-round competencies in engineering, communication, and problem solving, as well as develop their potential to the fullest.

Full-time Undergraduate Degree Programmes (2023-2024)
全日制學士學位課程

Bachelor of Engineering (Honours) Scheme in Aviation Engineering leading to one of the following awards:

航空工程學（榮譽）工學士組合課程 — 包括以下專業課程供選讀：

- Bachelor of Engineering (Honours) in Aviation Engineering
  航空工程學（榮譽）工學士學位
- Bachelor of Engineering (Honours) in Air Transport Engineering
  民航工程學（榮譽）工學士學位

Bachelor of Science (Honours) Scheme in Biomedical Engineering leading to the following award:

生物醫學工程（榮譽）理學士組合課程 — 包括以下專業課程：

- Bachelor of Science (Honours) in Biomedical Engineering
  生物醫學工程（榮譽）理學士學位

Bachelor of Science (Honours) Scheme in Computing and AI leading to one of the following awards:

電子計算及人工智能（榮譽）理學士組合課程 — 包括以下專業課程供選讀：

- Bachelor of Science (Honours) in Computer Science
  計算機科學（榮譽）理學士學位
- Bachelor of Science (Honours) in Enterprise Information Systems
  企業信息管理（榮譽）理學士學位
- Bachelor of Science (Honours) in Financial Technology and Artificial Intelligence
  金融科技及人工智能（榮譽）理學士學位

Bachelor of Engineering (Honours) Scheme in Electrical Engineering leading to one of the following awards:

電機工程學（榮譽）工學士組合課程 — 包括以下專業課程供選讀：

- Bachelor of Engineering (Honours) in Electrical Engineering
  電機工程學（榮譽）工學士學位
- Bachelor of Engineering (Honours) in Transportation Systems Engineering
  運輸系統工程學（榮譽）工學士學位

Remark:

The University will offer two Secondary Major programmes, **"Artificial Intelligence and Data Analytics (AIDA)"** and **"Innovation and Entrepreneurship (IE)"**, to form an additional award option of "A Major plus a Secondary Major". Studying a Secondary Major is a free choice by students and not mandatory. Only students with a Cumulative GPA of 2.70 or above may be considered for Secondary Major enrolment. Each Secondary Major may stipulate additional selection criteria for admission. Students must apply to and obtain approval from the programme offering Department, no later than the commencement of the second year of study, to be admitted to the Secondary Major. Please visit *www.polyu.edu.hk/study* to find out which engineering programmes will provide the option for students to take the Secondary Major.

Bachelor of Engineering (Honours) / Bachelor of Science (Honours) Scheme in Information and Artificial Intelligence Engineering leading to one of the following awards:

資訊及人工智能工程學（榮譽）工學士／理學士組合課程 — 包括以下專業課程供選讀：

- Bachelor of Engineering (Honours) in Electronic Systems and Internet-of-Things
  電子系統及物聯網（榮譽）工學士學位
- Bachelor of Science (Honours) in Artificial Intelligence and Information Engineering
  人工智能及資訊工程學（榮譽）理學士學位
- Bachelor of Science (Honours) in Information Security
  資訊安全（榮譽）理學士學位

Bachelor of Science (Honours) Scheme in Logistics and Enterprise Engineering leading to one of the following awards:

物流及企業工程（榮譽）理學士組合課程 — 包括以下專業課程供選讀：

- Bachelor of Science (Honours) in Logistics Engineering with Management
  物流工程兼管理（榮譽）理學士學位
- Bachelor of Science (Honours) in Enterprise Engineering with Management
  企業工程兼管理（榮譽）理學士學位

Bachelor of Engineering (Honours) Scheme in Mechanical Engineering leading to one of the following awards:

機械工程學（榮譽）工學士組合課程 — 包括以下專業課程供選讀：

- Bachelor of Engineering (Honours) in Mechanical Engineering
  機械工程學（榮譽）工學士學位
- Bachelor of Engineering (Honours) in Product Analysis and Engineering Design
  產品分析及工程設計學（榮譽）工學士學位

Bachelor of Engineering (Honours) Scheme in Product and Industrial Engineering leading to one of the following awards:

產品及工業工程（榮譽）工學士組合課程 — 包括以下專業課程供選讀：

- Bachelor of Engineering (Honours) in Industrial and Systems Engineering
  工業及系統工程學（榮譽）工學士學位
- Bachelor of Engineering (Honours) in Product Engineering with Marketing
  產品工程兼市場學（榮譽）工學士學位

For more information about the programmes, please visit Study@PolyU (www.polyu.edu.hk/study)

Postgraduate Programmes (2023-2024)
深造課程

Taught Postgraduate Programmes
授課式深造課程

Engineering Doctorate 工程學博士學位

Postgraduate Scheme in Engineering leading to one of the following awards:

工程學深造組合課程 — 包括以下專業課程供選讀：

- Master of Science in Aviation Engineering
  民用航空工程學理學碩士學位
- Master of Science in Aviation Engineering (Aviation Operations and Management)
  民用航空工程學理學碩士學位（航空營運與管理）
- Master of Science in Aviation Engineering (Aeronautical Engineering)
  民用航空工程學理學碩士學位（航空工程）
- Master of Science in Electrical Engineering
  電機工程學理學碩士學位
- Master of Science in Electrical Engineering (Electrical Power Systems) #
  電機工程學理學碩士學位（電力系統）#
- Master of Science in Electrical Engineering (Electric Vehicles and Power Electronics)
  電機工程學理學碩士學位（電動車輛及電力電子）
- Master of Science in Electrical Engineering (Railway Systems) *
  電機工程學理學碩士學位（鐵路系統）*
- Master of Science in Electronic & Information Engineering
  電子及資訊工程學理學碩士學位
- Master of Science in Electronic & Information Engineering (Internet of Things)
  電子及資訊工程學理學碩士學位（物聯網）
- Master of Science in Electronic & Information Engineering (Multimedia Signal Processing & Communications)
  電子及資訊工程學理學碩士學位（多媒體信號處理及通訊）
- Master of Science in Mechanical Engineering
  機械工程學理學碩士學位
- Master of Science in Mechanical Engineering (Aerospace Engineering)
  機械工程學理學碩士學位（航宇工程）
- Master of Science in Mechanical Engineering (Air / Noise Pollution Management)
  機械工程學理學碩士學位（空氣／噪音環保管理）
- Master of Science in Mechanical Engineering (Green Energy)
  機械工程學理學碩士學位（綠色能源）
- Master of Science in Mechanical Engineering (Product Development & Analysis)
  機械工程學理學碩士學位（產品開發及分析）

Postgraduate Scheme in Industrial and Systems Engineering leading to one of the following awards:

工業及系統工程學深造組合課程 — 包括以下專業課程供選讀：

- Master of Science in Knowledge and Technology Management
  知識及科技管理理學碩士學位
- Master of Science in Industrial Logistics Systems
  工業物流系統理學碩士學位

Master of Science in Artificial Intelligence and Big Data Computing
人工智能及大數據計算理學碩士學位
(Remark: Subject to approval. 課程尚待批核。)

Master of Science in Biomedical Engineering
生物醫學工程理學碩士學位

Master of Science in Biomedical Engineering (Rehabilitation Engineering)
生物醫學工程理學碩士學位（康復工程）

Master of Science in Biomedical Engineering (Digital Health)
生物醫學工程理學碩士學位（數碼健康）

Master of Science in Blockchain Technology
區塊鏈科技理學碩士學位

Master of Science in Information Technology
資訊科技理學碩士學位

Master of Science in Metaverse Technology
元宇宙科技理學碩士學位
(Remark: Subject to approval. 課程尚待批核。)

Master of Science / Postgraduate Diploma in Engineering Business Management @
工程商業管理理學碩士學位／深造文憑 @

Master of Science / Postgraduate Diploma in Manufacturing Systems Engineering and Management @
製造系統工程與管理理學碩士學位／深造文憑 @

Master of Science / Postgraduate Diploma in Supply Chain and Logistics Management @
供應鏈與物流管理理學碩士學位／深造文憑 @

\# *HK Electric Institute assists in teaching some of the designated subjects.*
港燈工程學院協助指定科目之部份教學。

* *MTR Academy assists in teaching some of the designated subjects.*
港鐵學院協助指定科目之部份教學。

@ • *This programme is jointly offered by The Hong Kong Polytechnic University and the University of Warwick, UK, under the Integrated Graduate Development Scheme (IGDS).*
此課程由香港理工大學及英國華威大學合辦。

 • *This is an exempted programme under the Non-local Higher and Professional Education (Regulation) Ordinance in Hong Kong. It is a matter of discretion for individual employers to recognise any qualifications to which this programme may lead.*
根據香港《非本地高等及專業教育(規管)條例》規定，本課程屬豁免註冊課程，個別僱主可酌情決定是否承認本課程可令學員獲取的任何資格。

Research Postgraduate Programmes
研究式深造課程

- MPhil / PhD in various disciplines
  碩士／博士學位

*For more information about the programmes, please visit **Study@PolyU (www.polyu.edu.hk/study)***

The Hong Kong Polytechnic University

Best Global Universities Rankings 2023 by the U.S. News and World Report

- 6th in the subject of "Engineering"
- 14th in the subject of "Mechanical Engineering"
- 32nd in the subject of "Electrical and Electronic Engineering"
- 34th in the subject of "Computer Science"

Times Higher Education World University Rankings 2023

- 40th in the subject of "Engineering"
- 79th in the subject of "Computer Science"

Quacquarelli Symonds (QS) World University Rankings 2022

- 69th in the broad subject area of "Engineering and Technology"
- 74th in the subject of "Engineering – Mechanical, Aeronautical and Manufacturing"
- 76th in the subject of "Engineering – Electrical and Electronic"
- 92nd in the subject of "Computer Science and Information Systems"

Top Universities Rankings 2022 by Research.com - National Ranking

- 1st in the discipline of "Mechanical and Aerospace Engineering"
- 2nd in the discipline of "Engineering and Technology"
- 8th in the discipline of "Computer Science"
- 9th in the discipline of "Electronics and Electrical Engineering"

Academic Ranking of World Universities (ARWU) 2022

- 4th in the subject of "Transportation Science and Technology"
- 25th in the subject of "Mechanical Engineering"
- 44th in the subjects of "Aerospace Engineering" and "Computer Science and Engineering"
- 51st - 75th in the subjects of "Electrical and Electronic Engineering", "Materials Science and Engineering" and "Telecommunication Engineering"
- 76th - 100th in the subject of "Biomedical Engineering"

Field-Weighted Citation Impact of Artificial Intelligence (AI) research

- 8th, the highest ranking among Hong Kong universities under the study by Times Higher Education and supported by Elsevier's Scopus database

(Note: The respective subjects above cover the Faculty of Engineering as well as individual units across the University working in the areas.)

Faculty of Engineering

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Remark : Information presented in this leaflet is subject to changes and does not form part of any contract between the University and any person.

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