



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

## List of Academic Programmes offered in 2021-2022

**E**ngineering is one of the founding disciplines of the University building on a tradition of engineering excellence for over 80 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.



# Postgraduate Programmes (2021-2022)

## 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 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 (Power Electronics & Drives)  
電機工程學理學碩士學位 (電力電子及驅動)
- 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 (Aeronautical Engineering)  
機械工程學理學碩士學位 (航空工程)
- 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 (Aviation)  
機械工程學理學碩士學位 (民用航空)
- 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 Biomedical Engineering  
生物醫學工程理學碩士學位

Master of Science in Information Technology (offered under the Postgraduate Scheme in Computing)  
資訊科技理學碩士學位 (電子計算深造組合課程之其中一個專業課程)

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](http://www.polyu.edu.hk/study))





# Government-funded Undergraduate Degree Programmes (2021-2022)

## 政府資助本科學位課程

For Hong Kong Diploma of Secondary Education (HKDSE) students; holders of Higher Diploma or Associate Degree in related disciplines, or the equivalent.

供香港中學文憑試學生、持有相關學科的高級文憑、副學士學位或同等學歷人士報讀。

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

電子計算 (榮譽) 理學士學位組合課程 — 包括以下專業課程供選讀：

- Bachelor of Science (Honours) in Computing  
電子計算 (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) in Aviation Engineering  
航空工程學 (榮譽) 工學士學位

Bachelor of Engineering (Honours) in Electrical Engineering  
電機工程學 (榮譽) 工學士學位

Bachelor of Engineering (Honours) in Electronic and Information Engineering  
電子及資訊工程學 (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

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

機械工程 (榮譽) 工學士學位組合課程 — 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) 工學士學位組合課程 — 包括以下專業課程供選讀：

- Bachelor of Engineering (Honours) in Product Engineering with Marketing  
產品工程兼市場學 (榮譽) 工學士學位
- 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 Science (Honours) in Biomedical Engineering  
生物醫學工程 (榮譽) 理學士學位

Bachelor of Science (Honours) in Internet and Multimedia Technologies  
互聯網及多媒體科技 (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) 理學士學位組合課程 — 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

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





## Government-funded Top-up Degree Programmes (2021-2022) 政府資助銜接學位課程

For holders of Higher Diploma or Associate Degree in related disciplines.  
供持有相關學科的高級文憑、副學士學位人士報讀。

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

Bachelor of Science (Honours) in Aviation Operations and Systems  
航空營運及系統學 (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

## Government-funded Higher Diploma Programmes (2021-2022) 政府資助高級文憑課程

Higher Diploma in Electrical Engineering  
電機工程學高級文憑

Higher Diploma in Electronic and Information Engineering  
電子及資訊工程學高級文憑

Higher Diploma in Industrial and Systems Engineering  
工業及系統工程學高級文憑

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







## Constituent Departments

Department of Aeronautical and Aviation Engineering

航空及民航工程學系

[www.polyu.edu.hk/aae](http://www.polyu.edu.hk/aae)

Department of Biomedical Engineering

生物醫學工程學系

[www.polyu.edu.hk/bme](http://www.polyu.edu.hk/bme)

Department of Computing

電子計算學系

[www.comp.polyu.edu.hk](http://www.comp.polyu.edu.hk)

Department of Electrical Engineering

電機工程學系

[www.ee.polyu.edu.hk](http://www.ee.polyu.edu.hk)

Department of Electronic and Information Engineering

電子及資訊工程學系

[www.eie.polyu.edu.hk](http://www.eie.polyu.edu.hk)

Department of Industrial and Systems Engineering

工業及系統工程學系

[www.ise.polyu.edu.hk](http://www.ise.polyu.edu.hk)

Department of Mechanical Engineering

機械工程學系

[www.me.polyu.edu.hk](http://www.me.polyu.edu.hk)



***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.***



# The Hong Kong Polytechnic University

## Best Global Universities Rankings 2021 by U.S. News and World Report

- 12<sup>th</sup> in the subject of "Engineering"
- 15<sup>th</sup> in the subject of "Mechanical Engineering"
- 36<sup>th</sup> in the subject of "Computer Science"
- 38<sup>th</sup> in the subject of "Electrical and Electronic Engineering"

## Quacquarelli Symonds (QS) World University Rankings 2021

- 82<sup>nd</sup> in the broad subject area of "Engineering and Technology"
- 92<sup>nd</sup> in the subject of "Engineering – Electrical and Electronic"
- 98<sup>th</sup> in the subject of "Engineering – Mechanical, Aeronautical and Manufacturing"
- 120<sup>th</sup> in the subject of "Computer Science and Information Systems"

## Times Higher Education World University Rankings 2021

- 75<sup>th</sup> in the subject of "Engineering and Technology"
- 79<sup>th</sup> in the subject of "Computer Science"

## Academic Ranking of World Universities (ARWU) 2020

- 7<sup>th</sup> in the subject of "Transportation Science and Technology"
- 28<sup>th</sup> in the subject of "Mechanical Engineering"
- 41<sup>st</sup> in the subject of "Computer Science and Engineering"
- 76<sup>th</sup> - 100<sup>th</sup> in the subject of "Materials Science and Engineering"
- 101<sup>st</sup> - 150<sup>th</sup> in the subject of "Electrical and Electronic Engineering"

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

- 8<sup>th</sup>, 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.)

