THE HONG KONG POLYTECHNIC UNIVERSITY
香港理工大學

DEPARTMENT OF ELECTRICAL AND ELECTRONIC ENGINEERING
電機及電子工程學系

Master of Science

in Electronic and Information Engineering

電子及資訊工程學理學碩士學位

With specialism study options in "Internet of Things" and "Multimedia Signal Processing and Communications"

備有「物聯網」和「多媒體信號處理及通訊」專修

Unique Master Programme with Specialism in "Internet of Things"

特備「物聯網」專修之碩士課程

Opening Minds • Shaping the Future
啟迪思維 • 成就未來

Programme Introduction
課程簡介

This programme aims at providing graduates of electronic engineering, information engineering, electrical engineering, telecommunications engineering, computer science and other related disciplines an opportunity for further study at postgraduate level. Students will embark on a broad choice of core subjects in areas such as multi-media technologies, Internet of Things (IoT), telecommunications and machine intelligence, etc. that enable them to meet new challenges and tap new opportunities in relevant fields. Students can also acquire the latest technical know-how by registering for specialized subjects in a chosen area that focuses on the modern issues facing the engineering profession today. Students who have managerial responsibilities can take electives on business or management according to their interests and career needs.

本課程為電子工程、資訊工程、電機工程、通訊工程、計算機科學和其他相關學科的畢業生提供研究生水平的進修機會。學生可修讀例如多媒體技術、物聯網、通訊和機器智能等內容充實豐富的核心科目，用以裝備自己面對新挑戰和把握新機遇。學生亦可通過修讀為研究專門領域而設的專修學科，從而獲得最新的專業知識和技術。負責管理工作的學員更可根據興趣和職業所需，選修商業或管理方面的學科。

Specialism in Internet of Things 「物聯網」專修

The programme offers the specialism in Internet of Things (IoT) to cater for the emerging needs of IoT experts in the industry. This specialism covers cutting-edge technologies in wireless communications, sensor networks, and IoT applications, etc., enabling students to explore advanced knowledge and develop in the related fields.

本課程備有「物聯網」專修為業界培訓專才。課程涵蓋無線通訊、感測網路以及物聯網應用程式等領先科技的學科，為學員提供相關專業知識和發展的機會。

Specialism in Multimedia Signal Processing and Communications 「多媒體信號處理及通訊」專修

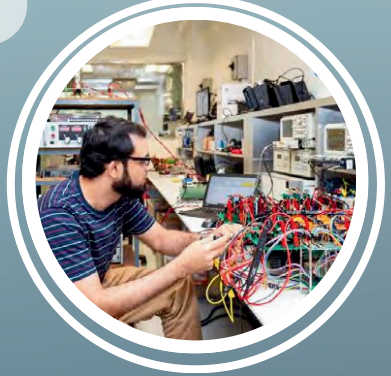
The specialism in Multimedia Signal Processing and Communications provides postgraduate-level professional and technical training to practitioners in the area in order to enable them to tap the ever-growing market needs and business opportunities related to multimedia technology.

本課程備有「多媒體信號處理及通訊」的專修，為學生提供專門的技術訓練，使他們能夠迎合有關多媒體科技專業領域的市場需求和商機。

MSc Studentship Project Scheme 碩士助學金計劃

The Department has set up MSc Studentship for students with good academic performance and potential to pursue the MSc dissertations and research works at the same time. Each student being awarded the Studentship will receive a monthly support of HK$6,000 for a period of 12 months to do the MSc dissertation and carry out research project work simultaneously under the same supervisor in the capacity of a part-time Research Assistant.

本學系設立助學金以鼓勵學業成績優異和有潛質的同學同時選修理學碩士論文及進行研究工作。成功申請的學生將受聘為兼任研究助理，可獲取為期一年每月港幣6,000元之助學金，以同時選修論文和協助指導教授從事研究。



PolyU reserves the right to change or withdraw the studentship at any time. In case of any dispute/disagreement, PolyU's decision is final.
香港理工大學保留隨時更改或取消助學金的權利。如有任何爭議/意見分歧，香港理工大學擁有最終決定權。

Broad Coverage of Technical Areas

		EIE509 Satellite Communications - Technology and Applications
		EIE511 VLSI System Design
	@	EIE515 Advanced Optical Communication Systems
@		EIE522 Pattern Recognition: Theory & Applications
@		EIE529 Digital Image Processing
@	@	EIE546 Video Technology
@	@	EIE553 Security in Data Communication
@	@	EIE557 Computational Intelligence and Its Applications
@		EIE558 Speech Processing and Recognition
	@	EIE560 Microelectronics Processing and Technologies
@		EIE563 Digital Audio Processing
@	@	EIE566 Wireless Communications
@	@	EIE567 Wireless Power Transfer Technologies
	@	EIE568 IoT – Tools and Applications
	@	EIE569 Sensor Networks
		EIE571 Photonic System Analysis
		EIE572 Information Photonics
@	@	EIE573 Mobile Edge Computing
@	@	EIE575 Vehicular Communications and Inter-Networking Technologies
		EIE577 Optoelectronic Devices
	@	EIE579 Advanced Telecommunication Systems
		EIE580 Radio Frequency and Microwave Integrated Circuits for Communication System Applications
		EIE587 Channel Coding
@	@	EIE589 Wireless Data Network
@		EEE531 Spoken Language Processing
	@	EEE532 Artificial Intelligence of Things Technology
	@	COMP5434 Big Data Computing

@ MSc in Electronic and Information Engineering (Multimedia Signal Processing and Communications)

@ MSc in Electronic and Information Engineering (Internet of Things)

Flexible Programme Structure

Award	Dissertation Option	Non-Dissertation Option
MSc in Electronic and Information Engineering	**7** taught subjects, including at least **4** Core Subjects, a Dissertation, and a 1-credit AIE* subject	**10** taught subjects, including at least **6** Core Subjects, and a 1-credit AIE* subject
MSc in Electronic and Information Engineering (Internet of Things) / (Multimedia Signal Processing and Communications)	**7** taught subjects, including at least **5** Core Subjects specified for the specialism, a Dissertation, and a 1-credit AIE* subject	**10** taught subjects, including at least **7** Core Subjects specified for the specialism, and a 1-credit AIE* subject

Around 14 of the above subjects will be offered each year.
**AIE = Academic Integrity and Ethics (AIE) Requirement*
The Department reserves the right not to offer any one of the subjects. The offer of subjects is subject to review and change if deemed appropriate by the Department.

Programme Information
課程資料

Host Department 主辦學系	Department of Electrical and Electronic Engineering (EEE) 電機及電子工程學系
Programme Code 課程編號	46011-EIE (Full-time 全日制) / 46011-EIT (Part-time兼讀制)
Mode of Study 修讀模式	Mixed mode 混合修讀模式 Classes are normally held on weekday evenings. Some classes may be held during the daytime on weekdays and weekends. A mixed-mode programme gives you an option to engage in a full-time (9 credits or more per semester) or part-time study load (less than 9 credits per semester). 本學位課程一般安排於平日（星期一至五）晚上上課，部份課堂會於平日及週末日間進行。「混合修讀模式」讓學員可選擇全日制（每個學期修讀9個學分或以上）或兼讀形式上課（每個學期修讀少於9個學分）。
Duration of Study 修讀期	Normal Study Duration 一般修讀期: 1.5 years (Full-time) 一年半全日制 / 2.5 years (Part-time) 兩年半 (兼讀制)
Structure 模式	Credit-based 學分制
Total Credits for Graduation 畢業學分	31 credits for MSc, 19 credits for PgD 碩士學位課程需完成31學分 深造文憑課程需完成19學分
Tuition Fee 學費	HK$ 8,000 per credit for local and non-local students 本地及非本地學生每學分為港幣8,000元
Entrance Requirements 入學要求	An honours degree in engineering, science, technology, or Chartered Engineer (CEng), or equivalent qualification. 擁有工程，科學或技術榮譽學士學位，或特許工程師資歷或同等學歷。
English Entrance Requirements 英文入學要求	If you are not a native speaker of English, and your Bachelor's degree or equivalent qualification is awarded by institutions where the medium of instruction is not English, you are expected to provide one of the following proficiency test results (taken within 2 years) for fulfil the minimum English language requirement for admission purpose: • A score of 80 or above in the Test of English as a Foreign Language (TOEFL) Internet-based test; OR • An Overall Band score of 6.0 or above in the International English Language Testing System (IELTS) Academic module. 如果你不以英語為母語，並且你的學士學位或同等學歷是由教學語言不是英語的機構頒發，則你需要提供以下能力測試結果之一（2 年內獲得），以完成入學的最低英語語言要求： • 英語作為外語（託福）網路考試成績達到 80 分或以上； • 國際英語語言測試系統（雅思）學術模組的總分達到 6.0 或以上。

Application Period: 申請日期	Early Round Application Deadline: 15 October 2025 Main Round Application Deadline: 15 January 2026
Programme Leader: 課程主任	Dr Chen Wen Telephone: (852) 2766 6646 Email: owen.chen@polyu.edu.hk
General Enquiry: 查詢	EEE General Office Telephone: (852) 2766 6260 Email: eee.tpg@polyu.edu.hk
Visa Application: 簽證申請	Upon admission, PolyU will help to apply for a student visa. You are strongly advised to submit your application as early as possible, as it typically takes 8 to 10 weeks to process student visa application.