

Department of Electronic and Information Engineering (EIE) The Hong Kong Polytechnic University 香港理工大學電子及資訊工程學系

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Business Activities

EIE was established in 1974. With the ultimate aim of producing preferred graduates who will meet the needs of society, the Department is committed to providing high-quality education to students at undergraduate and postgraduate levels. Students admitted into the BEng(Hons)/BSc(Hons) Scheme in Information and Artificial Intelligence Engineering can specialize in one of these three areas:

- BEng(Hons) in Electronic Systems and Internet-of-Things
- BSc(Hons) in Artificial Intelligence and Information Engineering
- BSc(Hons) in Information Security

For the MSc in Electronic and Information Engineering programme, students can opt for the specialisms in Internet of Things or Multimedia Signal Processing and Communications.

The Department also strives for excellence in research and aims to produce high-impact research outputs that are relevant to industry and society. For instance, our research teams have broken the world record of fastest optical communications for data centres and developed the new application of peptides in data storage for space exploration.

業務概況

香港理工大學電子及資訊工程學系成立於一九七四年。本學系提供優質的本科、碩士和研究生課程，為社會培育優秀的畢業生和專業人材。資訊及人工智能工程學 (榮譽) 工學士/ 理學士組合課程的學生，可根據自己的興趣選修其中一個領域：

- 電子系統及物聯網 (榮譽) 工學士學位
- 人工智能及資訊工程學 (榮譽) 理學士學位
- 資訊安全 (榮譽) 理學士學位

電子及資訊工程學理學碩士學位課程，備有「物聯網」和「多媒體信號處理及通訊」專修以供學生選讀。

我們亦致力於卓越的科學研究，研發具深遠影響力的創新科技，以協助業界解決技術問題以及優化社區生活。例如本學系的通訊科研小組長期與華為合作發展光通訊技術，並刷新了數據中心光傳輸速度的世界紀錄。我們的科研團隊成功研發使用多肽的新一代生物數據存儲技術，並應用於「長征五號 B」運載火箭進行太空試驗等大數據管理。