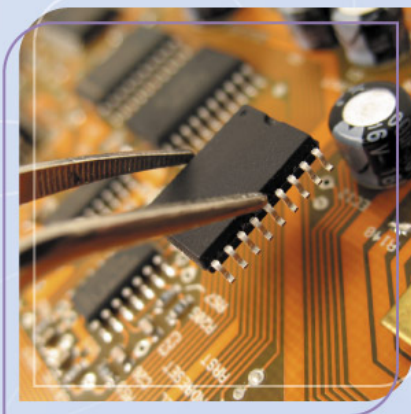
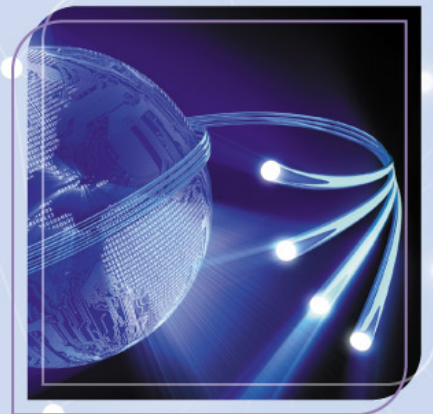




中大電子工程學系已於2018年起自行招生
Starting 2018, the CUHK EE programme admits students directly through

- JUPAS channel (JUPAS code: JS4434)
- Other admission channels (for applicants with other academic qualifications such as Associate Degree/Higher Diploma, IB, GCE, etc)

中大電子工程學
(CUHK ELEG)
聯招編號: JS4434



No.1
in Hong Kong
Electronic Engineering Programmes ^{*1,2}

No.28
in the world
Electronic Engineering Programmes ^{*2}

The EE department was ranked number 1 in Hong Kong by the University Grants Committee 2014 Research Assessment Exercise (published in 2015)¹ and was ranked number 1 in Hong Kong and number 28 in the World by ShanghaiRanking's Global Ranking of Academic Subjects 2017².

Build a
Gadget,
Code an
App!



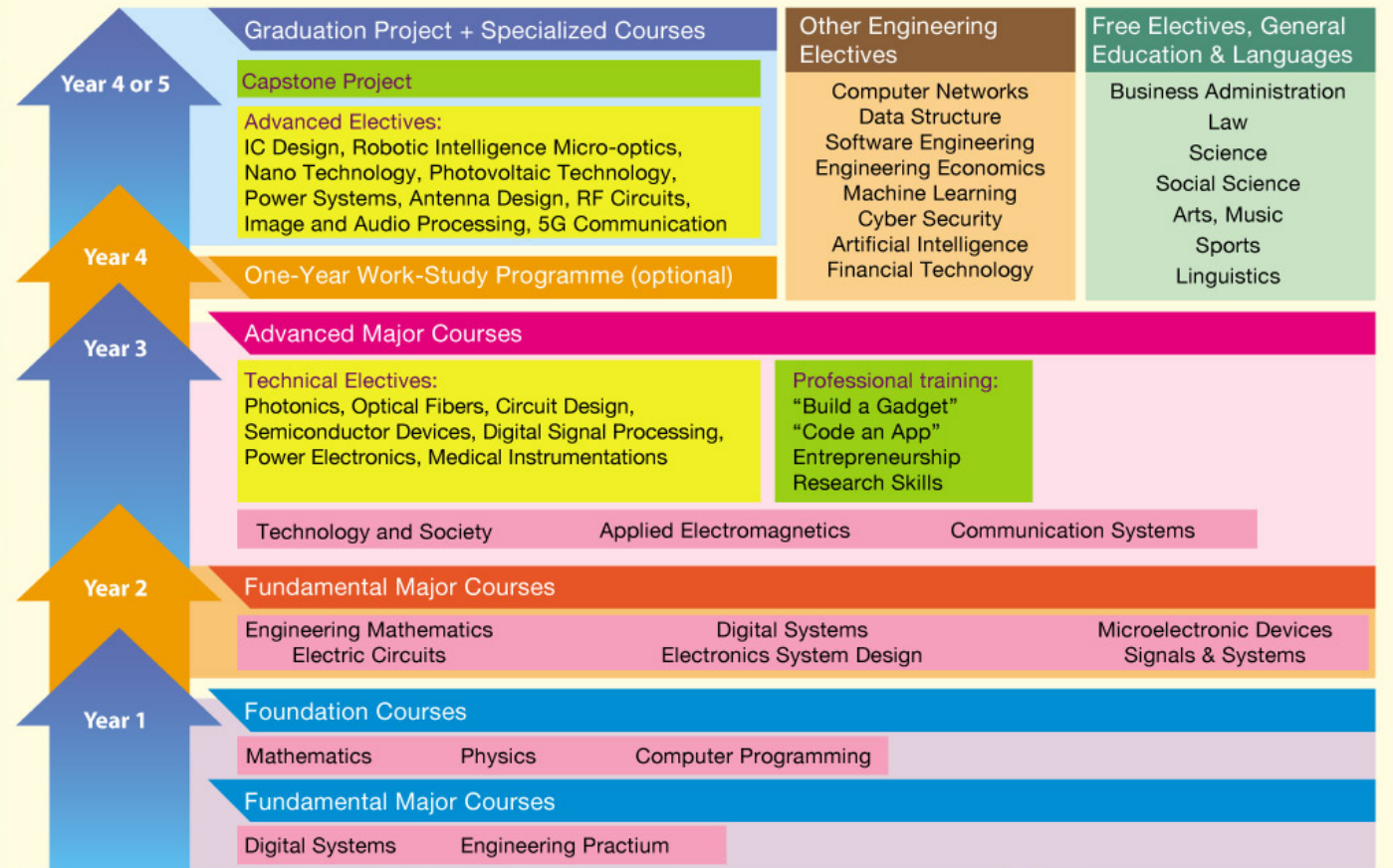
The Chinese University of Hong Kong
Department of Electronic Engineering
Electronic Engineering Programme
香港中文大學電子工程學系
電子工程學課程

Our mission is to educate future leaders in electronic engineering, to pursue knowledge and advance state-of-the-art electronics, including hardware, software and design with electronics as the core, from materials, devices, circuits to systems, and the applications of such technology to meet societal and individual needs. In both teaching and research, the Department is guided by the highest international standards.

Curriculum Structure 課程結構

The curriculum of Electronic Engineering is designed to enable students to plan their studies toward different career paths, including:

- Professional Engineering
- Entrepreneurship
- Research



Work-Study Programme 工讀計劃



Our work-study programme was first introduced in 1975 in the belief that combining course work and industrial training would narrow the gap between academic education and practical engineering. After the third year of study, all students can participate in the work-study programme on a voluntary basis. Each participant is required to spend one year, as full-time employee, in a selected local electronic or IT company. The student will continue his/her final year of study after the internship. In recent years, there are on average 50% of our students who opted for work-study.

Participating companies include:

- HSBC (The Hong Kong and Shanghai Banking Corporation Ltd.)
- MTR (Mass Transit Railway)
- SmarTone Telecommunications Ltd.
- Asia Satellite Telecommunications Co. Ltd.
- VTech Telecommunications Ltd.
- ASM Assembly Automation Ltd.
- China Light & Power
- Hong Kong Science and Technology Park
- Fujitsu PC Asia Pacific
- Soloman Systech

Overseas Exchange Programme 海外交流計劃

EE students can gain international exposure by going for a short term or year long overseas exchange. Some examples include: University of Illinois at Urbana-Champaign (USA), University of Toronto (Canada), Technical University of Denmark (Denmark), Karlsruhe Institute of Technology (Germany), KTH Royal Institute of Technology (Sweden), Osaka University (Japan).



EE students having an extraordinary learning experience in visiting technology giants and start-up companies in Silicon Valley, California during July 22 – August 2, 2019.



Mr. Leung Ho Man

(front center)
Received the prestigious Innovation and Technology Scholarship to support his one-year exchange programme to the University of Liverpool in the UK in 2019/20.

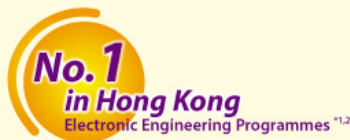
Innovation and Research 創新與科研

The 2014 Research Assessment Exercise (RAE 2014), which is an extensive independent peer-assessment of research performance across the university sector in Hong Kong, found that within the Electrical and Electronic Engineering discipline, The Chinese University of Hong Kong had more than twice the sector-wide average of 10% in the top category of 4* (world leading) research. The Electrical and Electronic Engineering Panel of RAE 2014 found that 21% of our research was in the 4* category, ahead of the second and third placed institutions which had 16% and 7%, respectively, in the 4* category.

The EE department was ranked number 1 in Hong Kong by the University Grants Committee 2014 Research Assessment Exercise (published in 2015)¹ and was ranked number 1 in Hong Kong and number 28 in the World by ShanghaiRanking's Global Ranking of Academic Subjects 2017².

Research Assessment Exercise 2014 Electrical and Electronic Engineering (World Leading Research)

HKU	7
HKUST	16
PolyU	5
CUHK	21
CityU	4

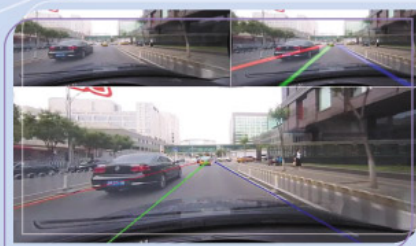
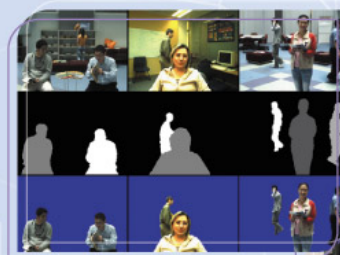


Multimedia Technology 多媒體技術

Digital Entertainment: High Definition Digital TV, Computer Animation & Virtual Reality, Computer Generation of Voice & Music
數碼娛樂：高清晰度數碼電視；電腦動畫與虛擬真實；電腦合成人聲與音樂

Health & Medical: Digital Hearing Aids, Medical Image Processing
醫療保健：數碼助聽器；醫療圖像處理

Smart City: Autonomous Driving, Forensic Voice Verification, Intelligent Surveillance Vision
智慧城市：自動駕駛；人聲識別與鑒真；智慧視覺保安監控

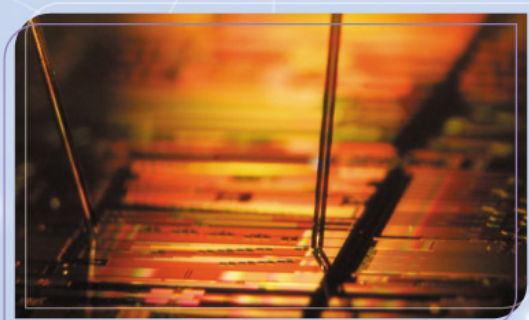
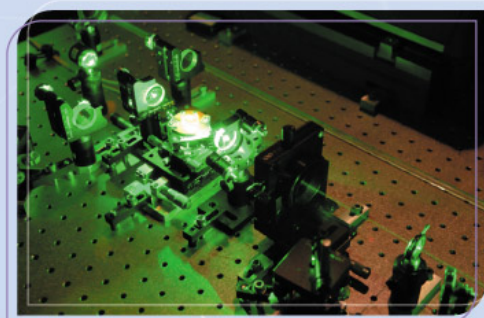


Optoelectronics & Optical Communication 光電子與光通信

Optic Communication: Cable TV, Broadband Internet
光通信技術：有線電視；寬頻網絡

Micro-optics: Optical Memory, LCD Projectors, CCD Camera
微光學：光記憶體；液晶投影；CCD攝像機

Integrated Optics: High-Speed Fibre Optic Components
集成光學：高速光纖器件

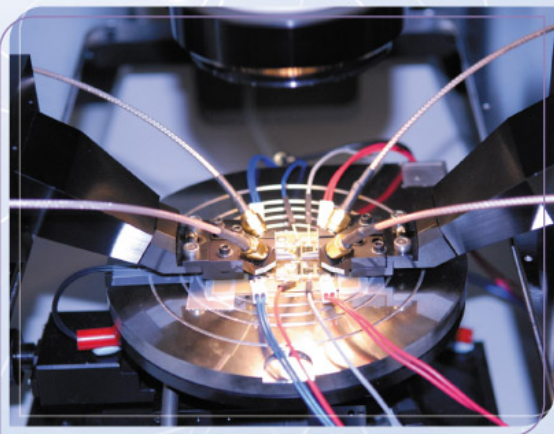
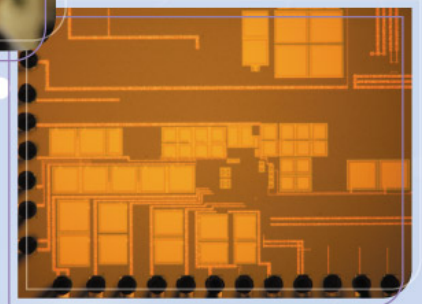
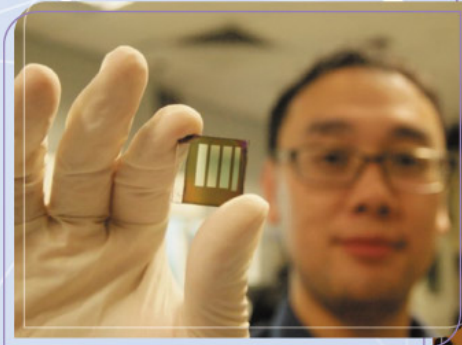
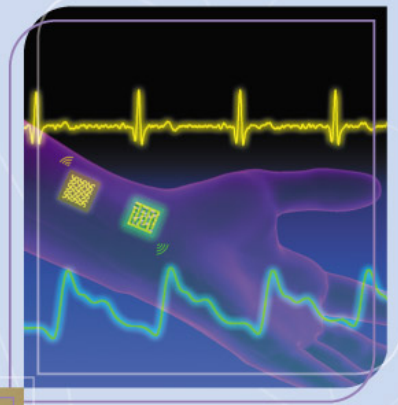


Semiconductor Devices & Integrated Circuits 半導體器件與集成電路

Mixed Signal Integrated-Circuit Design: Mobile Phone
混合信號集成電路：流動電話

Smart Cards: Octopus, HKID Card
智能卡裝置：八達通；身份證

Nano-meter Semiconductor Devices and Materials
納米半導體器件和材料



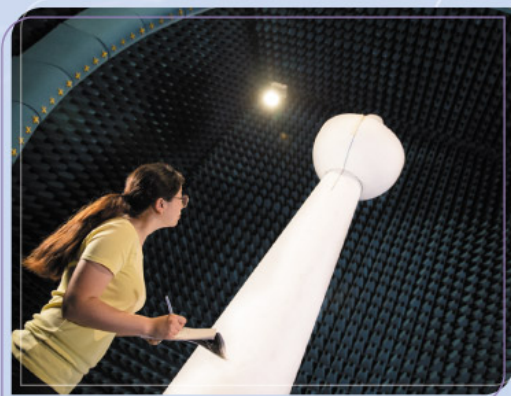
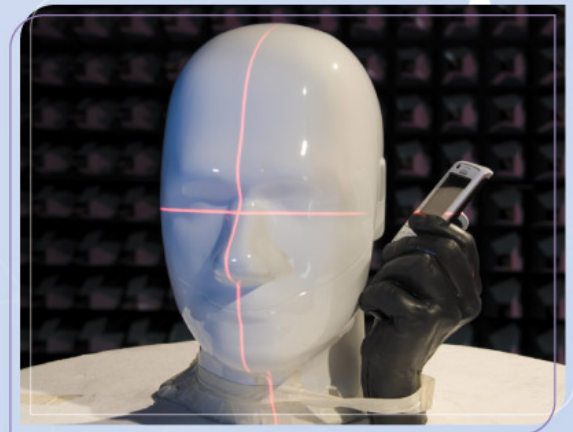
Wireless Technology 無線通信技術

Antenna, Bluetooth, WiFi
天線；藍牙技術；WiFi

Radio Frequency Identification (RFID) for Logistics
應用射頻識別技術的物流系統

Wireless LAN
無線計算機聯網

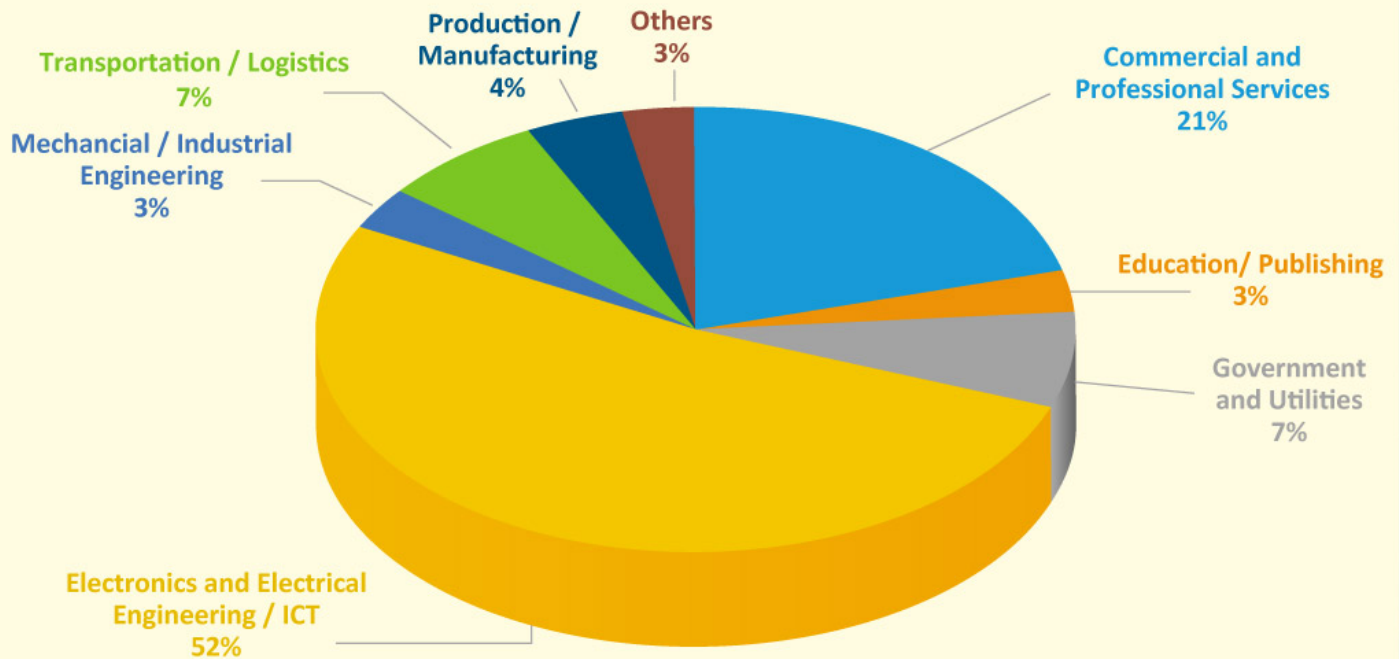
Radio-frequency Radiation Measurement
無線電波幅射測量



Career Prospect 就業前景

A degree in Electronic Engineering provides a solid foundation to launch your career locally or globally with excellent prospects in a wide range of technological sectors, which include: telecommunications, broadcasting, automotive electronics, railway, electric power, semiconductor, medical equipment, government agencies (e.g. EMSD and ICAC), information technology, industrial manufacturing, and product design. Some of our graduates choose to pursue postgraduate studies in local or overseas institutions.

Employment of Electronic Engineering Graduates 2019



Professional Engineers 專業工程人士



OR Pui Ying, Jessica
Assistant Fuel
Supply Manager



POON Hiu Ching, Peggy
Assistant Electronics
Engineer



MUI Tin Wai
Graduate Engineer



Entrepreneurs 企業家



TSANG Wai Wah, Martin
CEO of HUBject eRoaming Technology
(Shanghai) Co., Ltd.



CHEUNG Ka In, Debi
Founder of DocumentOnReady



Researchers 研究學者



FOK Mei Po, Mable
Associate
Professor



CHOW Chi Wai
Professor



WAI Hoi To
Assistant
Professor at
SEEM
Department



TSANG Sai Wing
Associate
Professor



Programme Entrance Requirements 課程入學要求

The JUPAS code of BEng in Electronic Engineering is JS4434. Admission is based on the Best 5 HKDSE subject results with subject weighting. For details of subject weighting, please refer to the table below.

Minimum Admission Requirement	Subject	Minimum Grade	Subject Weighting
Core Subjects	English Language	3	1
	Chinese Language	3	1
	Mathematics	3	1.5
	Liberal Studies	2	1
Two Elective Subjects	Any one science subject from the following: Biology/ Chemistry/ Combined Science/ Physics/ Information and Communication Technology/ Mathematics Extended Module I or II	3	1 (1.5 for Physics, M1/M2 if applicable)
	All other Elective Subjects		#

The Programme accepts any one subject as the second elective. The preferred subjects include Physics and Mathematics Extended Module 1 or 2. Subject weighting of 1.5 is given to the preferred subjects; and 1.0 is given to any other subjects. In addition to the requirements above, bonus points will be awarded to the 6th and 7th subjects, if any.

電子工程學課程 Electronic Engineering Programme

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Shatin, N.T., Hong Kong

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Homepage: <http://www.ee.cuhk.edu.hk>

