



CUHK EE programme admits students directly through

- JUPAS channel
- 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

Electronic Engineering Undergraduate Programme

電子工程學本科生課程

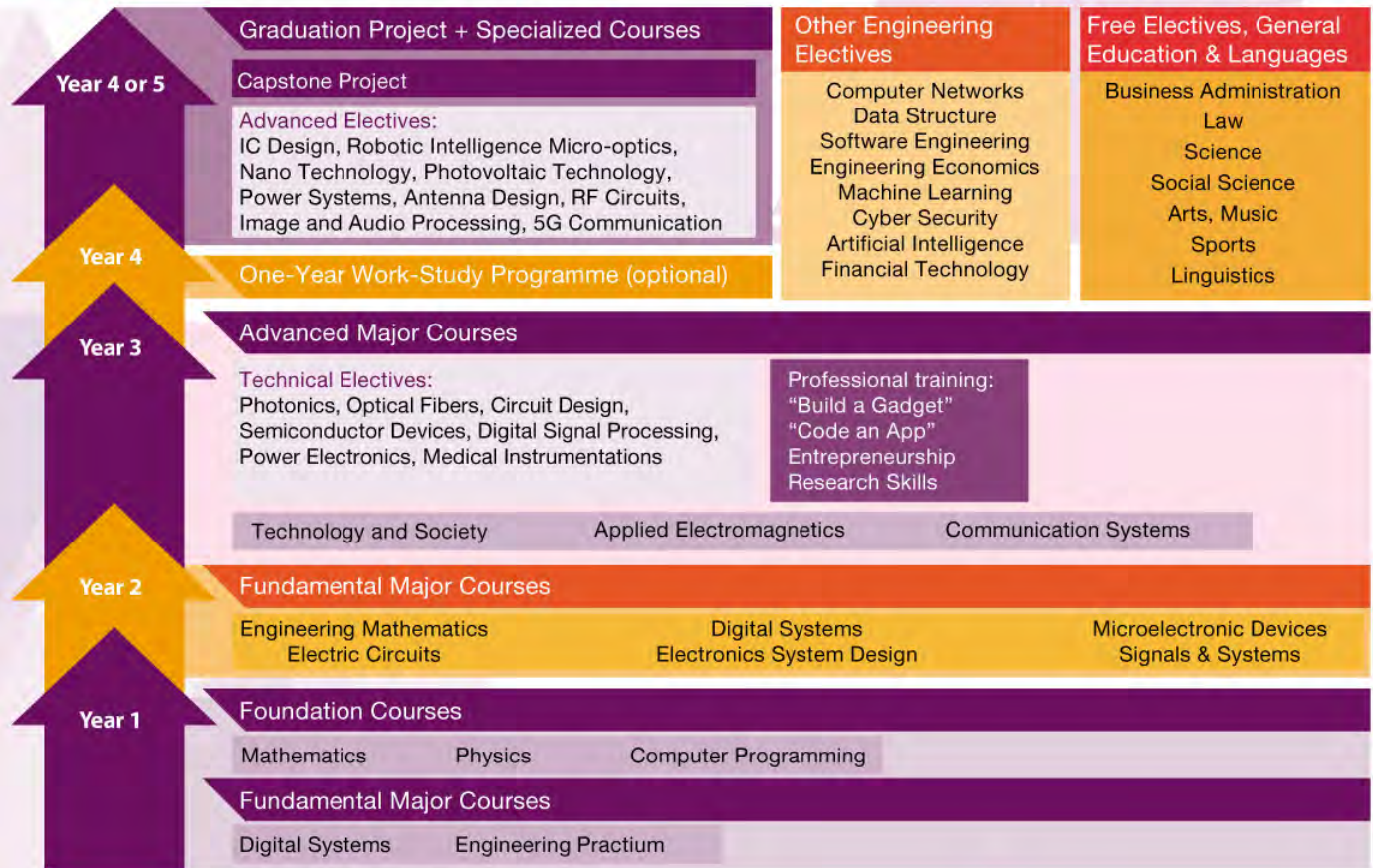
Professional Career Path: Accredited Bachelor of Engineering Programme by the Hong Kong Institution of Engineers (HKIE)

Recognised Research Performance: One of the CUHK panels with the highest ratio achieving "3 star" and "4 star" in Research Assessment Exercise 2020

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



Student Whole-person Development

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. Students can participate in the work-study programme, as full-time employee and continue his/her final year of study after that. Most of the students appreciated that the work-study experience was a precious opportunity to learn from what a professional engineer actually do before kick-starting their career.

Participating companies include:

- CLP Power Hong Kong Limited
- Electrical and Mechanical Services Department, HKSAR Government
- HSBC (The Hong Kong and Shanghai Banking Corporation Ltd.)
- MTR (Mass Transit Railway)
- SmarTone Telecommunications Ltd.
- VTech Telecommunications Ltd.
- ASM Assembly Automation Ltd.
- Hong Kong Science and Technology Park

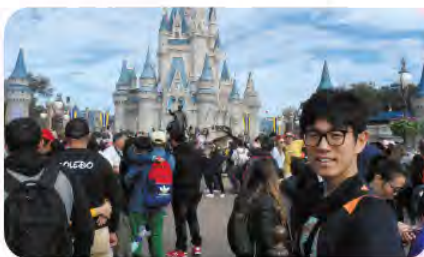


Overseas Exchange Programme 海外交流計劃

EE students can gain international exposure by going for a short term or year-long overseas exchange. Examples: University of Pennsylvania (USA), Technical University of Denmark (Denmark), Karlsruhe Institute of Technology (Germany), KTH Royal Institute of Technology (Sweden), Nanyang Technological University (Singapore)



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.



BANG, Tae Won
Visited Georgia Institute of Technology in USA in 2019-20



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.

Undergraduate STEM Ambassador Programme STEM 學生大使計劃

The "50th Anniversary Undergraduate STEM Ambassador Programme" is conducted by our Undergraduate STEM Ambassadors, coaching other CUEE peers or/and secondary students. Students could enrich their electronic engineering background by learning and applying theoretical engineering knowledge to real-life applications.

Comprehensive Learning Environment 全方位學習環境

New Teaching Laboratory from 2021 with the latest equipment



Innovation and Research 創新與科研

Research Assessment Exercise 2020 (RAE 2020), which is an extensive independent assessment of research performance of the eight UGC-funded universities in research over a period of 6 years from year 2015 to year 2020. Electronic Engineering of the Chinese University of Hong Kong received 87%, the highest proportion of world leading (4*) and internationally excellent (3*) research within the Electrical and Electronic Engineering area in Hong Kong, according to RAE 2020 by the University Grants Committee of Hong Kong.



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

Optical 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

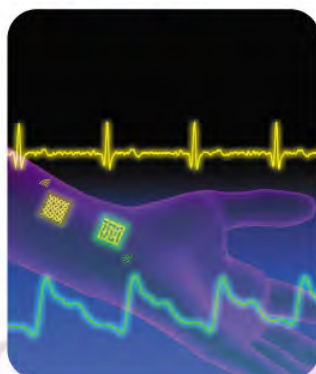
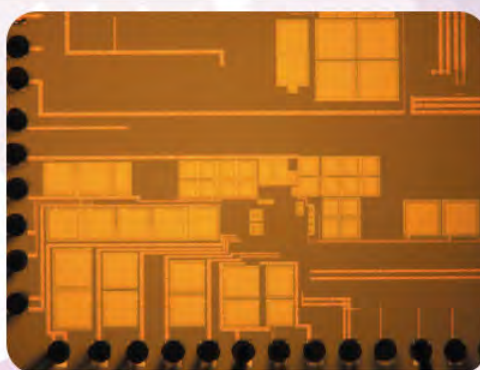
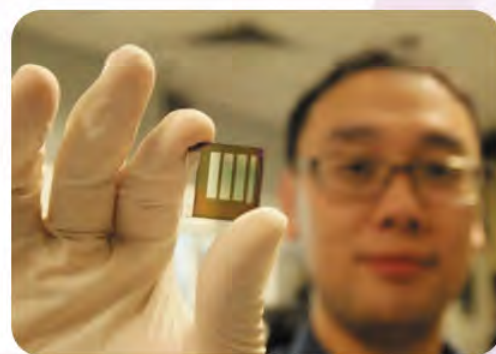


Semiconductor Devices & Integrated Circuits 半導體器件與集成電路

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

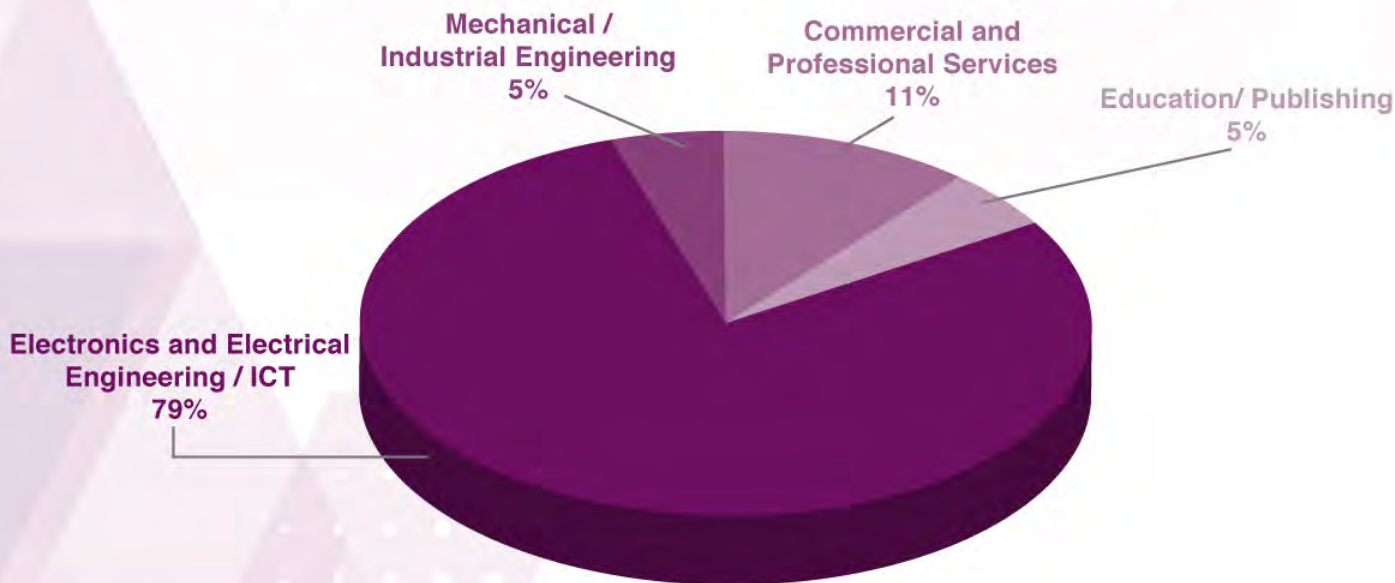
Radio Frequency Identification (RFID) for Logistics
應用射頻識別技術的物流系統

Wireless LAN
無線區域網絡

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



Employment of Electronic Engineering Graduates 2020



Professional Engineers 專業工程人士



POON Hiu Ching,
Peggy
Electronics
Engineer



MUI Tin Wai
Network Manager
(Infrastructure
Engineering
Control Centre)



Lee Ho Tin
Graduate Trainee



CHENG Foon Lok
Assistant
Electronic Engineer



WONG Chi Wai
Assistant Engineer



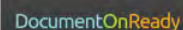
Entrepreneurs 企業家



TSANG Wai Wah,
Martin
CEO and Founder
of Halo Energy
Limited



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.

Admission Scholarships 入學獎學金

The Department of Electronic Engineering offers admission scholarships to new undergraduate students on the basis of their excellent academic performance.

Category	Quota	Amount (HKD)
JUPAS students - Achieve 5** in any STEM subject [1] - Achieve 5* in any STEM subject [2]	N/A	\$20,000/Student \$10,000/Student
Non-JUPAS local students	4 students	\$15,000 each
International student who does not receive any university scholarship	1 student	\$100,000

[1] Any of the following subjects is considered as a STEM subject: Mathematics (Compulsory Part), Mathematics (Module 1 or Module 2), Physics, Chemistry, Biology, Information and Communication Technology, Combined Science and Integrated Science.

[2] Not for students who achieve 5** in at least one STEM subject.

電子工程學課程 Electronic Engineering Programme

Room 404, Ho Sin Hang Engineering Building
The Chinese University of Hong Kong
Shatin, N.T., Hong Kong

Tel: (852) 3943 8486 / (852) 3943 8448
Fax: (852) 2603 5558

General Enquiry Email: eeugadm@ee.cuhk.edu.hk / dept@ee.cuhk.edu.hk
Homepage: <http://www.ee.cuhk.edu.hk>

