Master of Science in Electronic Engineering
電子工程學理學碩士
授課式碩士課程

Our mission is to educate future leaders, innovators and entrepreneurs 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, learning and research, the Department is guided by the highest international standards.
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<td>ELEG 5802*</td>
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Students, subject to approval, can also elect the following graduate courses primarily for research students:

- ELEG 5280 Analog-Digital ASIC Design
- ELEG 5301 Photonic Integrated Circuits
- ELEG 5491 Introduction to Deep Learning
- ELEG 5600 Advanced Perception for Intelligent Robotics

* Required course (applicable to students admitted in 2020-21 and thereafter)

- Each year, a balanced set of courses will be offered from the above list. Students will also be able to take courses designed for research postgraduate students and from other programmes, including those offered by other engineering departments and the Business School, subject to prior approval.
- These courses attempt to stimulate students' interest in and equip them with a greater command of emerging technologies such as artificial intelligence, big data analytics, future IOT applications, advancement of renewable energy, smart materials, etc.
- Through interactive teaching and learning we guide our students to get a better understanding of the fundamental concepts, to be able to identify and resolve problems, as also to be motivated to innovate new applications across different domains.
- Students will engage with our research laboratories, working with research postgraduate students on a specific engineering project under the supervision of a faculty member and a dissertation is required at the end of the course.
- Industrial lecture series and company visits will also be organized for our MSc students.
THE PROGRAMME

- A student must take and pass 8 courses including a required dissertation in this programme with a GPA of 2.0 or above to graduate.
- A student will be discontinued from study if the student has a GPA below 1.0 or fails to have probation lifted after being put on academic probation for two consecutive terms of attendance.
- The length of study is usually 1 academic year in full-time mode and 2 academic years in part-time mode. Each year has 2 terms.
- All the lecturing courses are conducted in English. Each course usually consists of 36 lecture hours and a number of tutorials/hand-on training sessions over a period of 14 weeks.
- Subject to the approval of the Programme Directors concerned, students can take at most two courses from other M.Sc. Programmes within the Faculty of Engineering, or other courses as deemed appropriate.
- Full-time mode students are allowed to take other day time postgraduate courses offered by the Department of Electronic Engineering.

AWARD OF DEGREE
Graduates will receive a Master of Science Degree in Electronic Engineering from The Chinese University of Hong Kong if satisfy the credit unit and GPA requirements.

VENUE & FACILITIES
The classes will be held in weekday evenings in the University campus in Shatin. Through application, students can use various facilities and service in the Department of Electronic Engineering, and the University, e.g. computer laboratory and the University Library services.

ENTRY REQUIREMENTS
- A bachelor degree in Electrical Engineering, Electronic Engineering, Information Engineering and Computer Engineering may be admitted to this Programme.
- Students with a first degree in other fields such as Physics and Mechanical Engineering may also be considered provided that they have some experience and background in electronic engineering.
- The entry requirements of the Graduate School must also be satisfied.
- All students should fulfil the English Language Proficiency Requirement prescribed by Graduate School before they are admitted.

For more information, please visit the following websites:
MSc Programme: http://www.ee.cuhk.edu.hk/en-gb/curriculum/msc-programme/admission
Graduate School: https://www.gs.cuhk.edu.hk/admissions/admissions/requirements

TUITION FEE (PROVISIONAL)
Full Time mode: HK$150,000 for the whole programme (including 8 courses), HK$6,250 per unit.
Part Time mode: HK$150,000 for the whole programme (including 8 courses), HK$6,250 per unit.

APPLICATION PROCEDURES
Applications will be processed on a first-come-first-served basis, the majority of offers will be made in early rounds. The number of places is limited, interested applicants should consider early submission of their applications.

Full-time mode admission: September
Part-time mode admission: September & January (provisional)

APPLICATION DEADLINE*
1st round admission: 10 October 2021
2nd round admission: 22 November 2021
3rd round admission: 23 December 2021

*For the latest application deadline, please refer to MSc Programme’s webpage:
A degree of Master of Science 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: Data Communication & Network, Software Design & Development, Product Design, Data Science, Artificial Intelligence, Investment Bank, etc. Some of our graduates join the famous enterprises, like HUAWEI, Alibaba, Deloitte, etc. The others pursue further studies in CUHK or other universities.

**M.S.C. SCHOLARSHIPS**

(a) Admission Scholarships
Several scholarships will be awarded to newly admitted students with exceptional academic standing.
(I) Department Admission Scholarships
(II) George Chung Scholarship for M.Sc. in Electronic Engineering
(III) Victor Ng Scholarship for M.Sc. in Electronic Engineering

(b) Graduation Scholarships
Students with outstanding academic performance during their course of study of the MSc Programme in Electronic Engineering will be awarded one of the following Graduation Scholarships.
(I) Department Graduation Scholarships
(II) Bright Future Charitable Foundation Scholarship for M.Sc. in Electronic Engineering
(III) Certificate of Merits

**ENQUIRIES**
Address: Division of Electronic Engineering (MSc in Electronic Engineering) Room 404, Ho Sin Hang Engineering Building, The Chinese University of Hong Kong, Shatin, HKSAR, China
Tel: (852) 3943 8249
Email: mscinfo@ee.cuhk.edu.hk
Website: http://www.ee.cuhk.edu.hk
CIRCUITS & SYSTEMS GROUP
- Microwave & Wireless Communications
- VLSI & ASIC
- Energy Conversion

MULTIMEDIA & SIGNAL PROCESSING GROUP
- Image and Video Processing
- Signal and Data Science

ROBOTICS, PERCEPTION & AI GROUP
- Robotics with Medical, Service, and Industrial Applications
- Perception, Sensors and Computer Vision
- AI, Pattern Recognition, and Human Machine Interaction
- Intelligent and Integrated Systems

SOLID STATE ELECTRONICS & PHOTONICS GROUP
- Photonics & Optical Communications
- Solid-State Electronics
SHUM TAK LOK, SAMUEL 沈德諾

M.Sc. (EE) 2019
Engineer, Hong Kong Applied Science & Technology Research Institute Co. Ltd. (ASTRI)
2019 Bright Future Scholarship awardee

Currently, I am working in a research institute in HK. The academic qualification is the major concern in my job. At the beginning, I just see this MSc programme offered by the Department of Electronic Engineering in CUHK as a steppingstone of my career success. And I don’t care about the interest of the course subject or the course grade. However, this concept is totally changed when I finished my first course called the Power-Management Technology. In this course, Prof. Leung can make use of the examples in daily life to explain some complex concept. This kind of teaching style has inspired my change in the pursuit of learning attitude, which is of great benefit to my future research work.

In this MSc course, I have not only learnt many hard knowledges such as tale, communication, deep learning and IC design etc., but also have learnt some soft skills taught by a course called the Innovation, Technology and Management in Modern Engineering. For example, I learn how to understand and cultivate myself, and how to deal with the problems. Also, from the guest lecture provided by the CEO and Entrepreneur, I learn the path to success from their experience.

In conclusion, this MSc course is a comprehensive help for my future development.

XIN YI 辛毅

M.Sc. (EE) 2018
Application Engineer Trainee Program, Maxim Integrated, Inc.
2017 Department Admission Scholarship and
2018 Department Graduation Scholarship awardee

After I received my bachelor’s degree in Fudan University, I chose MSc Electronic Engineering programme offered by the Department of Electronic Engineering, CUHK.

This programme provided a solid background for my career development. A series of excellent courses, such as CMOS Design and Power Management, have helped me build a requisite stock of knowledge. This programme also has strong teaching staff and a broad connection with industry. A lot of company-visiting activities and academic lectures have endowed me with both a global career outlook and a professional perspective to tackle the existing problems in the field of Electronic Engineering.

If you choose this programme, what you will obtain from this program will be beneficial to your academic and career pursuit definitely.

YANG YUREN 楊裕仁

M.Sc. (EE) 2016
Co-founder of the Shadow Express Electronic Commerce (Hong Kong) Co., Ltd
Co-founder of the Olympics Technology Ltd

I received bachelor’s degree from the School of Electronic and Engineering of Nanjing University, and then went to the Chinese University of Hong Kong to pursue a M.Sc. degree in Electronic Engineering. During the period, I took part in the development of intelligent hardware called Ensa by using the knowledge and teacher’s guidance in the classroom. I founded the Olympic Science and Technology Co., Ltd. and obtained the offer of Hong Kong Science Park incubation. After graduation, he founded the Shadow Express Electronic Commerce (Hong Kong) Company Limited and participated in research and development of Shadowbox in order to make Hong Kong’s logistics industry more efficient and convenient.

During my master’s studies, I not only learned the most professional electronic knowledge of solid-state sensors and lighting systems, wearable bioelectronics, power management ICs, but also I get help from my teachers and classmates. In the Department of Electronic Engineering, the Chinese University of Hong Kong, your friends and teacher will be your life’s wealth.