

Division of Electronic Engineering

Our articulated MPhil-PhD programme provides students with an opportunity of being involved in in-depth studies and focused research in selected areas of electronic engineering. The programme is intended to foster high-quality and forward-looking research activities, so as to meet the society's demand for high-caliber engineers who are knowledgeable in the latest technologies.

MPhil-PhD in Electronic Engineering

Admission Code: EEE

Programme

Starting from 2013, there will be a screening test for both the MPhil and PhD students 9 months after admission. The purpose of the test is to find out if the student has the aptitude to carry out research at a postgraduate level in their chosen specialization. Failure of the test may result in the termination of the postgraduate studentship.

MPhil Stream

An MPhil student is required to complete 4 graduate-level courses. In addition, the student is required to carry out a research project of about 18 months in a duration from which a satisfactory thesis is to be submitted. The student must also attend an oral examination to present his/her work to an appointed thesis committee. Students with good academic performance in their first year of study may be permitted to transfer to the PhD Stream.

PhD Stream*

The PhD stream provides in-depth training for students who are interested in basic or applied research. All students in the PhD stream will be admitted initially in the pre-candidacy status. Upon satisfying the division's candidacy requirements, a student will be allowed to progress to the postcandidacy status. These requirements include:

1. 5 graduate-level courses
2. candidacy examination (written)
3. thesis proposal and defence

The candidacy examination is a written examination to ensure that the student has a sufficient set of knowledge in Electronic Engineering.

The major graduation requirement for a PhD student (post-candidacy) is a doctoral thesis that contains a substantial amount of original research work in the selected areas.

Please visit the Division's homepage (www.ee.cuhk.edu.hk) for more information.

Fields of Specialization

Our department has four research groups covering seven research areas:

- Biomedical Engineering Group
Biomedical Engineering

* Subject to the final approval of the Faculty Board, students in the PhD Stream will be required to complete at least 7 courses (21 units) as the minimum graduation requirement starting 2017-18 entry.

- Multimedia & Signal Processing Group
DSP & Speech Technology
Image and Video Processing
- Integrated Circuits & Systems Group
Microwave & Wireless Communications
VLSI & ASIC
- Solid State Electronics & Photonics Group
Photonics & Optical Communications
Solid-State Electronics

Admission Requirements

Applicants must meet the general qualifications required for admission to the Graduate School¹ and normally have majored in Electronic Engineering, Computer Engineering or Physics with Electronics, or in related fields.

For non-HK university graduates, Graduate Record Examination (GRE) General Test is highly recommended by the Division Head to ensure that the applicants have the proper preparation.

Additional Application Information

Applicants must also submit the following:

1. curriculum vitae;
2. list of research publications or related materials, e.g. patent applications;
3. research / purpose statement (about 600-800 words in English, for PhD Programme applicants only);
4. awards and other certificates

Admission Advisors

Prof. WANG, Xiaogang / Prof. ZHAO, Ni

Application Deadline

1 December 2016

For applicants who apply for PhD programme through the Hong Kong PhD Fellowship Scheme (HKPFS)²

1 December 2016

For applicants who apply for MPhil programme directly with CUHK

Throughout the year

For applicants who apply for PhD programme directly with CUHK (i.e. non-HKPFS applicants). Applicants are advised to apply as early as possible, preferably by 1 December 2016.

CONTACT METHODS

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¹ For the general qualifications required for admission to the Graduate School, please refer to pages 16-17.

² For information on HKPFS, please refer to page 17.