

Doctor of Engineering Program in Electrical and Information Engineering Technology

*Department of Electronic and Telecommunication Engineering,
Faculty of Engineering, King Mongkut's University of Technology Thonburi*

This degree-program emphasizes the foundations, essential practices, and core subjects Engineering Program in Electrical and Information Engineering Technology for doctoral students. Courses are designed to maximize students' learning from the perspective of theory, application, and practice. All courses are taught in Thai and scheduled on weekdays.

Who Should Enroll

The intake students comprise of undergraduates or Master students. The awarding degree is the doctoral degrees. Incoming students with undergraduate degrees will require to enroll in more credits than do the incoming students with Master degrees. This program welcomes qualified students who are passionate about electrical and information engineering technology. This exciting field is responsible for significant economic growth and technological advances, including circuit design, microwave systems, image and medical signal processing, mobile communications, networking systems, to name a few.

Program Benefits

The program offers rich courses and experience. The program aims to train students and prepare them to positively impact the workforce and society. Upon graduation, the students will be able to

- Innovate or conduct original research that addresses the practical problems, related to the electrical and information engineering technology in the Thai industry
- Propose a methodology, design concept, or analytical piece that leads to a solution of relevant social or scholarly issues concerning the electrical and information engineering
- Develop a prototype, test bed, hardware, or software using state-of-the-art technologies relevant to the electrical and information engineering
- Productively function in teamwork, in multidisciplinary and culturally diverse teams, and in multinational enterprises
- Act in a professional and ethical manner in the workplace
- Communicate effectively through written reports, documents, and oral presentation for both technical and non-technical audience
- Independently acquire necessary information, knowledge, and skills to complete works or undertake responsibilities in unfamiliar areas from appropriate sources
- Incorporate relevant contemporary issues in global, social, environmental, and ethical issues into the design and decision making process
- Recognize the need for and able to engage in life-long learning

Program Requirements

To graduate, a student complete a specified number of credits, passes a qualification examination, publish journal or conference articles of approved quality and quantity, and completes a dissertation.

The curriculum splits into three tracks: 1.1, 2.1, and 2.2. Track 1.1 and track 2.1 are designed for the candidates who entered the program with Masters degrees, whereas track 2.2 is for those entered with Bachelor degrees. The distinction between tracks 1.1 and 2.1 lies in the numbers of dissertation credits and the amount of course work. A curriculum for each track is given below:

The minimum number of credits to complete an entire program of study is 48 for Tracks 1.1 and 1.2; and 72 for Track 2.2. Those credits must be earned from courses in the following categories. Numbers in the parentheses indicate the numbers of credits.

Track 1.1

- Thesis (48)
Required courses are not counted toward the thesis credits

Track 2.1

- Required courses (9)
- Elective courses (3)
- Thesis (36)

Track 2.2

- Required courses (9)
- Elective courses (15)
- Thesis (36)

Program Fees

Tuition consists of two parts: flat-rate and per-credit. In each semester, a graduate student pays a flat tuition rate of 15,000 baht and is

charged 3,000 baht per each credit he or she registers. The duration of study and the total number of credits depend on the student's chosen track, either track 1.1, track 2.1, or track 2.2. At the minimum, tracks 1.1 and 2.1 require three years and entail 42 credits, whereas Track 2.2 requires five years and 72 credits.

Accumulated fees for the entire program of study are, approximately,

- 234,000 baht/student (for Tracks 1.1 and 2.1; based on 3 academic years of 48 credits)
- 366,000 baht/student (for Track 2.2; based on 5 academic years of 72 credits)

Students who need financial aid should contact the University Financial Aid Unit (<http://www.kmutt.ac.th/financialaid/>)

Where Did the Graduates Go

A significant proportion of graduates is placed into work within six months of their degree completion. They are employed by leading electronics, telecommunication, and information-related firms, and respectable universities.

How to Apply

The deadlines and requirements for applications are available at <http://admission.kmutt.ac.th/>

For More Information

Please visit
<http://ene.kmutt.ac.th/index.php/en/>