



# COMPUTER ENGINEERING

## International Program (Bachelor of Engineering)



### General Description

We produce electrical and computer engineers who are excellent in academic and research, are technology leaders with virtues and ethics and are able to apply and develop knowledge to benefit the country.

The Department of Electrical and Computer Engineering is committed to create and develop effective education in aspects of academic, research, arts and culture, and community services by collaborative development with other agencies both in and outside the department while maintaining the good Thai customs and traditions.

### Career Opportunities

The students graduated from this program can work in a variety of areas including:  
Software development: mobile app developers, software engineers, etc. Infrastructure engineering: network engineers, database admins, etc. Other jobs: robotics engineers, data scientists, embedded system engineers, etc. The graduates from this program can work in various organizations not only government agencies, and state enterprises, such as EGAT, Royal Thai Police, hospitals, agencies under various ministries, but also, private companies, both domestic and international, such as Thai Airways, Microsoft Corp., commercial banks, etc.





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### Curriculum Structure

Requirements	Credits
<b>1. General Education Courses</b>	<b>30</b>
<b>2. Specialized Courses:</b>	<b>101</b>
2.1 Core Courses	105
2.2 Major Elective Courses	6
2.3 Undergraduate Thesis	3
2.4 Non-Credit Courses	7
<b>3. Free Elective Courses</b>	<b>6</b>
<b>Total</b>	<b>137</b>

### General Education Courses

Students has to take General Education Courses of 30 credits.

### Core Courses

: choose 101 credits from the following courses

Algorithm Analysis and Design, Advanced Computer Programming, Systems and Software Engineering, Data Structures, Theory of Computation, Computer Networks, Electrical Circuit for Computer Engineering, Electronics for Computer Engineering, Signal Processing, Embedded System, Soft Skills, etc.

### Major elective courses

: choose 6 credits from the following courses

Work Integrated Learning, Personal Process for Software Development, Software Process and Quality Assurance, Software Design, Software Verification and Validation, Robotics Engineering, Electronic Commerce, Software Requirements Specification and Management , etc.

### Non-Credit Courses

Students have to take 7 credits or not less than 270 hours from Training in Computer Engineering.

### Free Elective Courses

Students can take Electives of 6 credits from any faculty in Naresuan University.

### Degree Information

- Duration: 4 Years (8 Semesters)
- Tuition Fee: 16,000 Bath/Semester