Applicants' Qualifications

1. The applicants must be the Thai Nationality only.
2. The applicants must hold a Bachelor's degree in Engineering, Science, Technology or related fields accepted by the TAIST – Tokyo Tech Executive Committee.
3. The applicants must have a cumulative of GPA at least 2.75 (As of the application submission date), or at least two years of work experience, or sufficient relevant research experience or other achievements as specified by the TAIST – Tokyo Tech Executive Committee.
4. The applicants must submit one of the following English proficiency test scores; TOEFL, IELTS, TOEIC, TU-GET, KU EPT, CU-TEP or take an English proficiency test conducted by the TAIST – Tokyo Tech program.

Documents Required:

1. Two 1x1-inch photographs taken within the past six months.
2. Official Bachelor's transcript with grade point.
3. Statement of purpose (Summary of senior projects, Statement for study motivation, or Statement of research interest).
4. Letter of recommendation from applicant's Advisor.
5. Letter of recommendation from applicant's Lecturer or Head of department or Company supervisor, if available.
6. Two sets of copies of ID or passport and one set of copy of house registration.
7. Certificate of English proficiency (TOEFL, IELTS ,TOEIC, TU-GET, KU EPT, CU-TEP) taken within two years before the application date, if available.

Apply online : https://www.nstda.or.th/taist_tokyo_tech/

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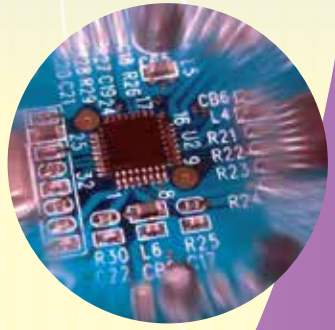
Information and Communication Technology for Embedded Systems Program

TAIST-Tokyo Tech



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Noverber 2017

TAIST-Tokyo Tech
[Thailand Advanced Institute of Science and Technology and Tokyo Institute of Technology]

TAIST-Tokyo Tech, with the cooperation of Tokyo Institute of Technology (Tokyo Tech), King Mongkut's Institute of Technology Ladkrabang (KMITL), King Mongkut's University of Technology Thonburi (KMUTT), Kasetsart University (KU), Sirindhorn International Institute of Technology (SIIT) and National Science and Technology Development Agency (NSTDA)

The main objective of TAIST-Tokyo Tech is to establish an institution for human resource development to foster and support world-class researchers and high-level engineers through a combination of advising from Tokyo Tech professors, excellent facilities and research staff in NSTDA, and established resources of Thai universities.

Programs Availabilities

- Automotive Engineering (AE)
- Information and Communication Technology for Embedded Systems (ICTES)
- Sustainable Energy and Resources Engineering (SERE)

Certificate offered:

- Rail Transportation certificate (RT) (optional)

Special characteristics of the Program

- The tuition fee is supported by NSTDA (240,000 bath/person/2 year)
- A number of professors from Tokyo Tech, Japan will come and give lectures to the students and also advice thesis.
- The students conduct their research work with NSTDA or industry.

Embedded systems are parts of equipments or instruments in our daily life and advanced equipments in the future.

Master of Engineering Program in Information and Communication Technology for Embedded System (ICTES)

The goal of this program is to prepare students with a comprehensive understanding of the hardware and software technologies in ICTES, with in-depth knowledge of embedded systems in VLSI designs and embedded software development, as well as broad knowledge of their applications in communications, networking, signal processing, human interface, artificial intelligence etc. Students will also experience the actual development of embedded systems using the state-of-the-art CAD tools for both hardware and software in "Embedded Systems Design Exercise Class."

In these courses, students will work in teams to also learn about project management, product planning and marketing aspects of the embedded systems development.

Welcomes full-time students. The graduates of this program can further pursue a doctoral study at Thai or Foreign universities or Tokyo Tech.

Degree : Master of Engineering Program in Information and Communication Technology for Embedded System (International Program)

Certificate from TAIST-Tokyo tech signed by the host university, Tokyo Tech and NSTDA

Host University : SIIT Sirindhorn International Institute of Technology

The curriculum structure of Master of Engineering Program in Information and Communication Technology for Embedded Systems focus on all aspects of embedded systems as follows.

Compulsory Courses & Compulsory Elective Courses
(7 courses, 18 credits)

1. Computational Mathematics
2. Software Concepts for Embedded Systems
3. Hardware Concepts for Embedded Systems
4. Research Methodology
5. Reseaech Seminar
6. Software Designs for Embedded Systems
7. Hardware Designs for Embedded Systems

Technocal Elective Courses
(select 2 courses from 4 courses, 6 credits)

8. Communication Theory
9. Digital Signal Processing
10. Intelligence Processing
11. Control Systems

Master Thesis (15 credits)

The official website for Master of Engineering Program in Information and Communication Technology for Embedded System

SIIT : http://www.siit.tu.ac.th/graduate_ictes_ en.htm
KU : www.ee.ku.ac.th & Facebook page 'KU ICTES'

*Certificate on Rail Transportation (Optional):

NSTDA Tokyo Tech