STUDY ENGINEERING

AT Kasetsart University
Bangkok, Thailand

Study or Internship

More than 200 faculty members graduated from worldwide universities

10 Engineering Departments

Bachelor, Master and Doctoral Degree Programs (International)

Faculty of Engineering

www.eng.ku.ac.th

Tel. +66 2 797 0999
STUDENT EXCHANGE PROGRAMS

1. INTERNATIONAL ENGINEERING PROGRAMS

☐ INTERNATIONAL UNDERGRADUATE PROGRAM (IUP) offers the following international undergraduate degree programs:

- Electrical Engineering (Communication) 2014
- Electrical-Mechanical Manufacturing Engineering
- Environmental Engineering 2015
- Mechanical Engineering
- Software and Knowledge Engineering
- Industrial Engineering 2015

www.iup.eng.ku.ac.th, Facebook: IUP Kasetsart
- International exchange students are invited to participate in the above programs for 1–2 semesters.
- Students from partner universities will not be charged tuition fees.

☐ INTERNATIONAL DOUBLE DEGREE PROGRAM (IDDP) in Aerospace Engineering & Business Management

☐ GRADUATE PROGRAMS: The Faculty of Engineering offers the following graduate degree programs:

- Master Degree in Advanced & Sustainable Environmental Engineering
- Master Degree in Chemical Engineering
- Master Degree in Engineering Management
- Master Degree in Environmental Engineering
- Master Degree in Industrial Engineering
- Master Degree in Information & Communication Technology for Embedded Systems
- Doctoral Degree in Chemical Engineering
- Doctoral Degree in Industrial Engineering

2. STUDENT INTERNSHIP PROGRAMS (INBOUND)

☐ AT FACULTY OF ENGINEERING
International students are invited to work in our research laboratories for 1–2 semesters.
- Gain practical experience in relevant engineering fields.
- Credit transfer options are available through enrolling in selected topics and specialized courses.
- Students from our partner universities will not be charged tuition fees.

☐ AT OUR PARTNER COMPANIES
- International students can apply for internship with our partner companies.
  - Need to apply at least 6 months in advance.
  - Contact each engineering department for more information about our partner companies
3. STUDENT INTERNSHIP PROGRAMS (OUTBOUND)

☐ Students in international programs are encouraged to do their internships abroad.
☐ Scholarships are available to almost all IUP students.

iup.eng.ku.ac.th

INTERNATIONAL COLLABORATIONS

☐ To expand our students’ opportunities to gain international exposure and broaden their skills and knowledge, KU has signed several Memoranda of Understanding (MOUs) with foreign universities around the world to promote the following programs:

- Student exchange programs
- Joint degree programs
- Visiting professor programs
- Research collaboration programs
- International seminars

Lists of Some of Our Partner Universities

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<thead>
<tr>
<th>Partner University</th>
<th>Region</th>
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<tbody>
<tr>
<td>FAU Erlangen-Nuremberg, Germany</td>
<td>Europe</td>
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<tr>
<td>Fern University, Hagen, Germany</td>
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<tr>
<td>Kajaani University of Applied Sciences, Finland</td>
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<td>Karlsruhe Institute of Technology, Germany</td>
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<td>KTH, the Royal Institute of Technology, Stockholm, Sweden</td>
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<td>Lappeenranta University of Technology, Finland</td>
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<tr>
<td>National Colleges of Technology in Japan</td>
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<td>Nurnberg University of Applied Sciences, Germany</td>
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<td>Offenburg University of Applied Sciences, Germany</td>
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<td>Tampere University of Technology, Finland</td>
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<td>Technikum University in Vienna, Austria</td>
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<td>University of Hannover in German</td>
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<td>University of Southern Denmark, Odense, Denmark</td>
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<td>Michigan Technology University, USA</td>
<td>North America</td>
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<td>Texas A&amp;M University, College Station, USA</td>
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<td>FPT University, Vietnam</td>
<td>Asia</td>
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<td>Hokkaido University, Japan</td>
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<td>Institute of National Colleges of Technology, Japan</td>
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<td>Maebashi Institute of Technology, Japan</td>
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<td>Nagahama Institute of Bio-Science and Technology, Japan</td>
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<td>Nara Institute of Science and Technology, Japan</td>
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Details of Internship Program (Outbound)

1. Internship Duration

After having completed three years of study, our engineering students in all programs are required to do an internship of at least 2 months (some programs require 6 months).

Period: during June–August or June–December.

2. Expectation of an internship

The objective of the student internships is to gain practical work experience, where students can apply their academic knowledge to carry out work in a real-world setting. In addition, our students will learn to work and interact in different cultures and environments. If they do their internships at a university, students will then be under the supervision of a professor (or a Ph.D./Master student and professor). They can perform work in a research laboratory at university.

The assignments from their professors will usually take place in the form of a project. The following topics are sample assignments for students in our Software and Knowledge Engineering program:

- **Topic 1: Development of a Web service Interface for a Measuring and Control Framework**
  - Design of the Interface
  - Development of the server-application
  - Implementation with Java RMI / Java SIMON
  - Development of a client application for remote access on time series data

- **Topic 2: Study on Improvement of Pump Performance of Wire-Parallel Plate Electrodes Type Electrohydrodynamic Gas Pumps**

3. Goal of an internship

To enhance and strengthen students’ engineering and interpersonal skills in various professional settings.

4. Student internship achievement

Students require evaluation from their supervisors at the host institutes in order to assess their effectiveness in performing the assigned tasks and projects.