AIT
Asian Institute of Technology

SCHOOL OF ENGINEERING AND TECHNOLOGY

MICROELECTRONICS AND EMBEDDED SYSTEMS

INDUSTRIAL SYSTEMS ENGINEERING

ABOUT THE PROGRAM

The region's growing industrial sector and the increasing demand for high technologies have brought the need for expertise in microelectronics to a critical level. The Master Program in Microelectronics, introduced in May 2000, responds to the needs of countries in Southeast Asia, many of which are in transition from labor-intensive to high-tech industries. The curriculum focuses on design and IC packaging aspects for specific applications.

Fabrication, including prototyping of chips, is included in the curriculum and is featured in partnership with microelectronics industries and collaborating universities overseas. Currently, courses in Bio-Nano Materials Science and Engineering are being added to the offerings of the field.

Programs leading to the award of AIT's Doctor of Engineering, Doctor of Technical Science, Master of Engineering, Master of Science, and certificate are offered.

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ELIGIBILITY REQUIREMENT

To be eligible for admission to the regular Master's program, an applicant must:

- hold a Bachelor degree (normally from a four-year program), or its equivalent, in an appropriate field of study from an institution of good standing acceptable to AIT;
- have undergraduate grades significantly above average; the minimum cGPA requirement for admission to the Master's Program is 2.75 or equivalent, at the Bachelor degree level;
- English Proficiency Requirement: AIT-EET:6 or IELTS-Academic:6 (writing 6) or TOEFL Paper: 550 (writing 59-61) or TOEFL CBT: 213 (writing 25-26): TOEFL IBT: 80 (writing 21-23);

For the Doctoral degree program, in addition to the above english eligibility requirements, an applicant must:

- have strong academic records (both undergraduate and graduate) and normally hold a four-year bachelor's degree, and a Master's degree, preferably with a combination of course and thesis work, from an institution of good standing, acceptable to AIT. The minimum cGPA requirement for admission to the doctoral program is 3.50 or equivalent, at the Master's degree level.
- submit a brief outline of dissertation research proposal (5-10 pages) including the required research facilities, if necessary.
- Two recommendation letters

PREFERRED BACKGROUND

MASTER PROGRAM
Undergraduate degree in electronics, electrical engineering, physics, computer engineering and other closely related engineering disciplines.

DOCTORAL PROGRAM
One should have a good master's degree in one of the above disciplines.

CONTACT US

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DEPARTMENT OF INDUSTRIAL SYSTEMS ENGINEERING