Asian Institute of Technology

SCHOOL OF ENGINEERING AND TECHNOLOGY

TELECOMMUNICATIONS

DEPARTMENT OF INFORMATION AND COMMUNICATION TECHNOLOGIES

ABOUT THE PROGRAM

The Telecommunications program offers areas of specialization in transmission systems; switching systems; telematics; network planning, and in collaboration with the School of Management, telecommunications management.

The courses offered emphasize modern telecommunications skills in systems planning and engineering, telecommunications software development, and administrative and financial aspects of telecommunications management.

Graduates from the master's program form the nucleus for effective high-level technical planning and management operations at their employer organizations.

Some of the graduates are engaged in planning, development, and service activities leading to the installation, commissioning, management, design etc. of value-added systems. Given the important role of our graduates in the development of the telecommunications sector, the learning is of significant benefit to the users of telecommunications services within the region.

PROGRAMS

- Doctor of Engineering
- Doctor of Philosophy
- Master of Engineering
- Master of Science
- Certificate

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Graduates of the doctoral program play key roles in enhancing the level of education and research in the national universities of the region, and promote and strengthen the R&D potential of emerging regional manufacturing industries.

Research covers a wide variety of topics at the cutting edge of research and development. Specific issues addressed in the broad fields of transmission and switching systems are, for example, coherent optical communications, multiple-access strategies for cellular-mobile and cabled networks, as well as questions of congestion control and new services in ISDN and future B-ISDN networks.

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);

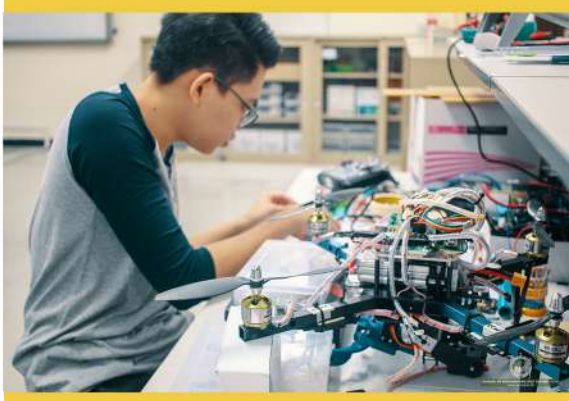
For the Doctoral degree program, in addition to the above english eligibility requirements, an applicant must:

- 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.

PREFERRED BACKGROUND

MASTER PROGRAM
Undergraduate study for candidates seeking admission to the field of Telecommunications are in communications, telecommunications, electrical engineering, electronics, and computer science or computer engineering. With the last two, a strong background in communications or telecommunications is expected.

DOCTORAL PROGRAM
A good master's degree in Telecommunications or a closely related field is a pre-requisite.



CONTACT US

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