ABOUT THE PROGRAM

This field of study fosters high level teaching and research in computer science and aims to meet the growing regional demand for persons skilled in various aspects of computing. One focus is on educating educators who can, in turn, effectively disseminate knowledge and skills to more people.

The core curriculum in computer science covers all aspects of computing, with the faculty particularly active in artificial intelligence, software engineering, networking and information systems. The program also endeavors to enhance teaching and research activities in computer architectures, object orientation, neural networks, multimedia and other rapidly-evolving areas in computer science.

COMPUTER SCIENCE
DEPARTMENT OF INFORMATION AND COMMUNICATION TECHNOLOGIES

The courses and research topics range from those addressing the practical problems of applications development, to those dealing with the abstract and philosophical issues of computer science and advanced computing. Students are also encouraged to take courses and conduct research in areas of Computer Science which interact with Information Management, Industrial Engineering, Manufacturing Systems Engineering, Telecommunications, Mechatronics and other fields covered at the Institute.

www.ait.ac.th
Computer Science with Specialization in Software Engineering

In addition to the traditional Master’s program in computer science, the CS FoS also offers a Master’s degree in computer science with specialization in software engineering. The Software Engineering Area of Specialization (SE AoS) is specially designed to fill the Asia-Pacific region’s needs for highly-trained specialists in software development and the management of software development projects. Students in the program will:

- Receive in-depth training in the latest software development tools, techniques, and trends
- Learn the industry’s best practices for management of large software projects
- Get experience on real problems in collaboration with public and private sector partners during internships.

The software engineering program is particularly aimed at students already having work experience in the software industry.

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 degree in Computer Science, Computer Engineering, Electronics or Mathematics

DOCTORAL PROGRAM

Master degree in any of the above disciplines

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