



MECHATRONICS AND MACHINE INTELLIGENCE

DEPARTMENT OF INDUSTRIAL
SYSTEMS ENGINEERING



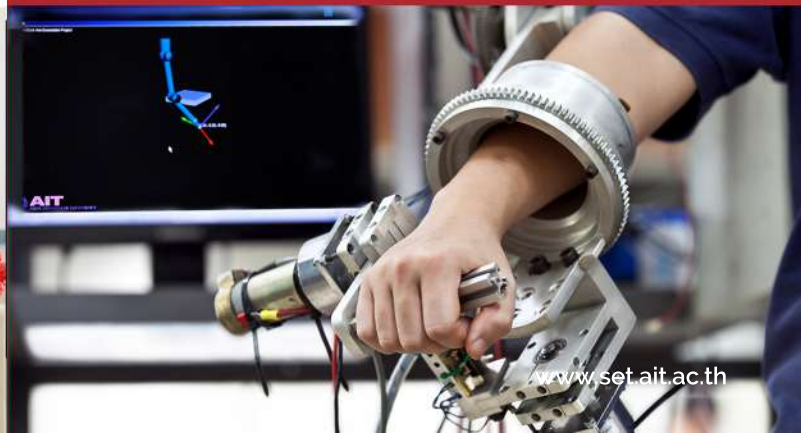
ABOUT THE PROGRAM

At present, most academic institutions and industries in the Asian region are only system integrators. Components are procured from more developed countries (e.g. computer numerically controlled machines, robots, and automated guided vehicles) and are integrated as a system (e.g. flexible manufacturing system). To support the growth of the region's economy, expertise not only as system integrators but also as builders of components of advanced technologies must be developed. The growing number of

devices and the strong interactions between mechanical and electronic parts no longer permit separate investigations of these components.

Mechatronics provides new insights through an integrated consideration of mechanics, electronics and information technology. The curriculum is designed to provide multidisciplinary knowledge and to develop the ability to design mechatronics systems.

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.





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, mechanical engineering, computer engineering or science; other engineering disciplines.

DOCTORAL PROGRAM

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

CONTACT US

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