

ADMISSION CRITERIA & PREREQUISITES FOR ADMISSION TO AIT

DEGREE PROGRAMS

To be eligible for admission to the 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 GPA requirement for admission to the master's program is 2.75 or equivalent at the Bachelor degree level.
- be in satisfactory physical and mental health, and have a record of good conduct.

An applicant must apply to only one of the academic programs leading to the degree of Master of Engineering, Master's of Science, Master's of Business Administration. No applicant is admitted to more than one academic program at a time.

AIT is an international institute with English as the sole language of instruction. Admission to AIT requires proof of English language proficiency which may be satisfied in any of the following:

- Submission of an official test score from any of the following standardized English exams: IELTS, TOEFL, ICE TEFOW, AITEIT, GRE (Analytical Writing), CET 4, CU-TEP (Thailand), ARC (Lao PDR). The minimum scores for admission are shown in the table below.

IELTS	4.5	GRE (Analytical Writing)	4.2
TOEFL		CET 4 (China)	510
Paper-based	500		
Computer-based	173	CU-TEP (Thailand)	62
Internet-based	61		
ICE TEFOW	120	ARC (Lao PDR)	5.0
AITEIT	4.5		

- Certificate of University Medium of Instruction. This document certifies that you attained your previous degree from a university where the sole medium of instruction is English. The document should be attested and signed by the University Registrar. Note : Because some schools that use English as a medium of instruction do not meet AIT's standards for English proficiency, the AIT Admissions Unit may not accept certain certificates and may require the applicant to submit a standardized test score instead.
- AIT English Interview Test Score (AITEIT). AITEIT is administered by AIT Language Unit and is applicable only to applicants in Thailand . For details, please contact: languages@ait.ac.th
- Exemption. Applicants who are citizens of countries where English is the native language are exempt from this requirement. Proof of citizenship should be provided.

ENERGY AND MECATRONICS FIELDS OF STUDY

1. The Duration of Study:

Master Degree students normally study for 22 months - this includes four semesters, two short breaks and one long break between semesters. The normal intake is in August.

2. Entry Requirements:

The applicant should hold a bachelors degree (normally from a four-year program) or its equivalent in an appropriate field; have above average undergraduate grades (minimum CGPA of 2.75).

Preferred background of study for energy:

Undergraduate degree in mechanical engineering, chemical engineering, production engineering and electrical engineering

Preferred background of study for Mechatronics:

Undergraduate degree in electronics, electrical engineering, mechanical engineering, computer engineering or Physics

AIT is an international institute with English as the sole language of instruction. Admission to AIT requires proof of English language proficiency which may be satisfied in any of the following:

Submission of an official test score of English Language from any of the following standardized English exams: TOEFL (550), TOEIC (750), IELTS (6.0), CU-TEP (57.0) (Thailand), ARC (5.0) (Lao PDR).

Certificate Of University Medium Of Instruction. This document certifies that you attained your previous degree from a university where the sole medium of instruction is English.

AIT ENGLISH INTERVIEW TEST SCORE (AITEIT). AITEIT is administered by AIT Language Unit and is applicable only to applicants in Thailand . For details, please contact: languages@ait.ac.th

EXEMPTION: Applicants who are citizens of countries where English is the native language are exempted from this requirement. Proof of citizenship should be provided.

3. Applications:

To apply online or download application forms please go to <http://www.ait.ac.th/apply/>

A nonrefundable application processing fee of US\$20 (or Baht 800) for forms downloaded from the web or of US\$25 (or Baht 1,000) for forms received by post, is required to process an application. For Frequently-Asked-Questions on application, please visit: <http://www.ait.ac.th/apply/FAQ.asp>.

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STUDY PROGRAMME

ENERGY

The study program will be conducted both at AIT and at VSIS. The August (first) semester will be at AIT, the January semester (second) and the inter-semester will be at VSIS, the August (third) semester will be at VSIS/AIT and the January semester (fourth) will be at AIT/VSIS.

1st Semester (August Semester)

Courses to be Offered at AIT for the 2 stage students

Energy Resources and Technologies (2 -0), 2
Energy Environment & Climate Change: Issues & Strategies (2-0), 2
Energy Management in Buildings (3-0), 3
Rational Use of Energy in Industry (3-0), 3
Rural Electrification and Distributed Generation (3-0), 3
Workshop on Energy Issues and Communication (0-3), 1

2nd Semester (January Semester)

Courses to be Offered at VSIS for the 2 stage students

Solar Energy (2-3), 3
Development and Evaluation of Energy Projects (2-0), 2
Biomass Conversion (3-0), 3
Energy Audit and Thermal Energy Conservation (2-3), 3
Design and Management of Energy Systems (3-0), 3

Inter-semester: (June – August)

Courses to be Offered at VSIS for the 2 stage students

Solar Design Methods and Applications (2-0), 2

3rd Semester (August Semester)

Thesis proposal and thesis

4th Semester (January Semester)

Thesis and final defense

STUDY PROGRAMME

MECHATRONICS

The study period will be conducted both at AIT and at VSIS. The August (first) semester will be at AIT, the January semester (second) and the inter-semester will be at VSIS, the August (third) semester will be at VSIS/AIT and the January semester (fourth) will be at AIT/VSIS.

1st Semester (August Semester)

Courses to be Offered at AIT for the 2 stage students

AT75.01 Microelectronics Fabrication Technology (3-0)

AT74.02 Control Theory 3(2-3)

AT74.03 Sensing and Actuation 3(2-3)

AT74.01 Kinematics and Dynamics of Mechanisms and Robots 3(2-3)

AT75.12 Nanomaterials and Nanotechnology (3-0)

2nd Semester (January Semester)

Courses to be Offered at VSIS for the 2 stage students

AT75.13 Failure Analysis of Devices 3(2-3)

AT74.06 Pattern Recognition and Image Processing 3(2-3)

AT74.07 Automation Technology 3(2-3)

AT72.03 Statistical Models and Design of Experiments 3(3-0)

AT75.02 Digital Integrated Circuit Design 3(2,3)

AT74.05 AI and Neuro-Fuzzy Theory 3(3-0)

Inter-semester: (June – August)

Courses to be Offered at VSIS for the 2 stage students

AT75.07 Micro-Electro Mechanical Systems (3-0)

3rd Semester (August Semester)

Thesis proposal and thesis

4th Semester (January Semester)

Thesis and final defense

FEE STRUCTURE AND PAYMENT SCHEDULE FOR CANDIDATES

Total fees for each programme is as follows

- ✓ At AIT: Thai Baht 445,000.
- ✓ At VSIS Pune: Rs. 1.20 Lakh + service tax stipulated by Government of India as applicable (12.3 % as on 20th March 2008) totaling to 1.35 Lakh
- ✓ Cost of leaving, accommodation, travel to / from AIT, insurance premium, visa extension fees, student union fees, and other costs to be born by the candidates themselves.

TUTION AND FEE STRUCTURE	
Study Cost	AT AIT*
<i>Currency</i>	<i>Thai Baht</i>
Application Fee	1,000
Registration Fee @Baht 20,000 per Semester	80,000
Tuition Fee @ Baht 14,000 per Credit	364,000
Sub-Total	445,000
Medical Insurance	3,200
Visa Extension	3,800
Student Union Fee	300
Sub-Total	7,300

Note: The medical insurance premium and visa extension fees are only approximate amounts. Students will be charged at actual cost.

* AIT reserves the right to change its fee structure. For an individual student the fee structure remains unchanged after s/he has enrolled.

Other Costs to be borne by the students themselves:

Approximate Living /Accommodation /Other Expenses @ Baht 11,500 per month	~ Baht 115,000 (for 10 Months)
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Fees Payment Schedule

- ✓ At the time of admission, the candidate would pay Rs. 25000 (Rs. Twenty Five Thousand) in VSIS and confirm his / her seat.
- ✓ The admitted candidate would then complete the registration process in AIT and would pay the the following fees at AIT: 1,000 Baht application fee, 182,000 Baht for tuition fees, 20,000 Baht registration fees, and approx. 3,650 Baht to cover insurance, visa extension and student union fees) in the first semester. Additionally, the students will have to pay for the accommodation, food and other living expenses. They will have to settle the accommodation charges before leaving to VSIS for the second semester.
- ✓ The candidate after completion of partial AIT phase would join VSIS (for second semester) and pay Rs. 43,000 to VSIS and 20,000 Baht to AIT as registration fees, for the second semester.

- ✓ Upon completion of the second semester, the candidate will pay fees of Rs. 67,000 to VSIS and 20,000 Baht to AIT as registration fees for the third or the fourth semester that is carried out at VSIS. Similarly, the candidate will pay 182,000 Baht in tuition fees and 20,000 Baht registration fees, and approx. 3,650 Baht to cover insurance, visa extension and student union fees for the fourth or the third semester that is carried out at AIT. Additionally, the students will have to pay for the accommodation, food and other living expenses. The candidate will have to settle all dues to the institute prior to their graduation.
- ✓ AIT and VSIS reserves the right to change its fee structure upon mutual agreement in writing. However the individual candidate's fee remains unchanged after an intake has taken place

CONTACT PERSONS

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