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Deciding to become an engineer is an important first step on your pathway to success. More important, however, is selecting where to study. The Asian Institute of Technology (AIT) makes the task of choosing easier for prospective students, since the Magsaysay Award-winning Institute has been catering to the needs of thousands of international students for over half a century.

The Asian Institute of Technology is an autonomous, international institute that was established in 1959 to meet the growing need for engineering education in Asia. For over fifty years, AIT has produced postgraduate-level engineers who have contributed to Asia’s technological advancement, and its social and economic transformation.

Building on this legacy, AIT now offers a four-year Bachelor of Science in Engineering (BSE) degree at its home campus in Thailand, and at its partner institutions in Vietnam, Myanmar and Sri Lanka.

Today, AIT illuminates the minds and impacts the hearts of young international leaders who will one day change the world. AIT provides a rich intellectual and international experience to its students – teaching them to think, create, communicate, and to understand that the pursuit of excellence is a prerequisite for lasting success.

AIT builds the knowledge, skills, vision and character that are required for engineering professionals to succeed in the globalized 21st century. Whatever your ambition in life, a BSE degree from the Asian Institute of Technology is your authorized passport to explore a world full of opportunities!
Opting to study engineering as an undergraduate at an institute like AIT is an advantage that will set you apart from your peers and last you a lifetime.

AIT is a profoundly international institute. At its campus located 42 kilometers north of downtown Bangkok, Thailand, students live and learn together with distinguished faculty and researchers arriving from all around the world. English is the medium of instruction for all course work, and is the lingua franca for all campus activities. The Institute's beautiful 160-hectare campus is a peaceful and safe setting for all our students.

Today, AIT is home to 2200 postgraduate students from more than 40 countries, 120 faculty members from 30 countries, over 100 research staff, 450 support staff, and over 400 research and outreach projects. AIT’s more than 17,000 alumni hail from over 80 countries.

In addition to its new undergraduate program in Engineering, the Asian Institute of Technology is comprised of the School of Engineering and Technology, the School of Environment, Resources and Development, the School of Management, more than 30 established postgraduate programs, several research and outreach centers, and a continuing professional development center called the AIT Extension.
Situated at the crossroads of South, South-East and East Asia, in one of the most diverse and economically dynamic regions of the world, the Asian Institute of Technology is uniquely positioned to benefit its engineering students. Opportunities abound for young engineers in the planet’s fastest growing region. Engineers graduating from AIT are always highly sought after by employers, and command impressive earning potential throughout their careers.

The Institute connects with the region by tapping into the cultural richness of Thailand and the rest of Asia, and by bringing renowned academics, scientists, executives, entrepreneurs and thought leaders to our campus as visiting lecturers and guest speakers. Every year AIT hosts numerous international conferences and professional workshops that draw distinguished international leaders to interact with our students.

AIT is home to institutions such as the United Nations Environment Programme (UNEP), the Regional Integrated Multi-hazard Early Warning System for Africa and Asia (RIMES), and Telecoms sans Frontières, which are actively working on sustainable development and disaster management issues all over the world. The Institute is an affiliated institute of the United Nations University (UNU), and is the regional knowledge hub on Reduce, Reuse and Recycle (3Rs). AIT has been designated by the United Nations as the ASEAN Regional Centre of Excellence on the Millennium Development Goals (MDGs), and is home to the Corporate Social Responsibility Asia Center at AIT. In partnership with 2006 Nobel Peace Prize Winner, Professor Muhammad Yunus, AIT has launched the Yunus Center at AIT to push forward education for poverty reduction and social business.
AIT’s Engineering and Technology Advantage

The Asian Institute of Technology is considered one of Asia’s foremost engineering institutes, particularly in the fields of Information and Communication Technology (ICT), Mechatronics, Electronics, Telecommunications, and Civil and Infrastructure Engineering. The Asian Institute of Technology has a five-decade-long track record of producing accomplished engineers, scientists and innovative leaders.
Bachelor of Science in Engineering (BSE) Degree Program

AIT takes pride in offering a new, four-year Bachelor of Science in Engineering (BSE) Program. The undergraduate program is ideal for those aspiring to an international career in engineering.

The BSE degree involves five fields of study: Information and Communication Technology (ICT), Mechatronics, Electronics, Telecommunications, and Civil Engineering. While maintaining a strong disciplinary identity within each of these core areas of expertise, undergraduate engineering at the Asian Institute of Technology opens up a number of study skills for students that integrate all five engineering fields.

AIT’s philosophy is to produce engineers with effective competency to work efficiently both in terms of theory and application. Our curriculum is designed for students to gain in-depth understanding of their chosen field of engineering, and for them to apply their knowledge towards real-life applications. Emphasis is always given to honing problem solving and decision-making skills based on scientific methodology.
Information and Communication Technology (ICT)
The Information and Communication Technology (ICT) field of study aims to meet the growing international demand for specialists in the application of computer science, information technology, networking, telecommunications, and software engineering. The program emphasizes an interdisciplinary mix of computer science and telecommunications knowledge in its curriculum. It instills in students the necessary foundations and skills for a career in today’s fast-paced computing or telecom industry.

Careers
ICT graduates command some of the highest starting salaries among the engineering disciplines, with many receiving multiple job offers. Possible career paths include software and hardware systems research and development, network engineering, telecommunication engineering, software application development, engineering management, and sales/marketing.
Mechatronics
Mechatronics at AIT provides students with expertise to not only be builders of components of engineering technologies but also to become system integrators. Mechatronics provides students with new insights into the field of automation through an integrated consideration of mechanics, electronics, and information technology. The undergraduate program in Mechatronics covers control theory, image processing, robotics and flexible automation, artificial intelligence, industrial control systems, electromechanical machine design and manufacturing engineering principles.

Careers
Mechatronics graduates can take up careers in robotics, electronics, aerospace, chemical, defence, automotive and manufacturing industries as design engineers, software engineers, project planners, product designers or project managers.
Electronics

The Asian region’s ever-growing industrial sector has increased demand for expertise in electronics to a critical level. The undergraduate program in Electronics responds to the needs of various countries in Asia, many of which are in transition from labor-intensive to high-tech economies. The curriculum focuses on acquiring knowledge in basic electronics, circuit design and industrial electronics applications. The curriculum was designed in partnership with the regional electronics industry and collaborating universities from around the world.

Careers

Graduates of Electronics engineering can enter many career paths in areas such as research, design, development, manufacturing, quality assurance, marketing, sales, technical support, consultancy in the electronics and telecommunications industry, computer manufacture, hardware design and system planning.
Telecommunications

A lack of efficient telecommunications networks and the disparity between rural and metropolitan areas in telecommunications capacity are some of the most serious impediments to sustainable development and growth in the Asia-Pacific region. Telecommunications engineering at AIT seeks to address this situation by stressing learning and research covering a broad range of systems in fixed and wireless networks, including satellite communications. The major research areas include digital and mobile communications, network planning, teletraffic engineering and optical network technologies.

Careers

Graduates of the Telecommunications program assume a variety of roles with telecommunications operators and equipment manufacturers, including research and development, network engineering, and management.
Civil and Infrastructure Engineering

Civil and Infrastructure Engineering at AIT prepares students to plan, design, construct, supervise, manage and maintain essential infrastructure in order to maximize the social, economic and environmental benefits for people, while addressing socioeconomic and environmental impact. The undergraduate degree focuses on construction, engineering and infrastructure management, geo-technical and geo-environmental engineering, structural engineering, transportation engineering, water engineering and management, offshore technology and management and disaster preparedness, mitigation and management.

Careers

Civil and infrastructure engineering graduates find employment as civil and infrastructure engineering professionals, managers, administrators, and building and engineering technicians.
Kaung Htike Thu, Myanmar
“It was the overall learning atmosphere that impressed me most at AIT - that and the green and friendly campus.”

Pulak Bhushan, India
“It is a great feeling to be at such a prestigious institute like AIT. I find the campus quite beautiful and the people here are really very friendly.”

Sushanta Paudyal, Nepal
“The world-class education and the international community are the reasons why I chose AIT.”

Millibhu Ratanapratthum, Thailand
“I feel that AIT has a high standard of education which can give me a good chance to receive training abroad after graduation.”

Sidhanta Baral, India
“I think the good curriculum at AIT can provide me the chance to have a good career.”
Requirements

Applicants to the undergraduate program must have successfully graduated from high school after completing 12 years of education or equivalent, or expect to do so before the start of the first semester. Continuation of study is conditional upon proof of high school graduation prior to the end of the first semester of study. Subjects taken in the final year of high school should include calculus, physics and chemistry.

Eligibility

Admission to the undergraduate program is competitive and limited by the number of seats available and AIT’s commitment to maintain a diversity of nationalities amongst the student population. Eligibility will be based on the student’s performance in the following:

1. Entry requirements for engineering:

   Applicants should satisfy one of the following requirements:

   a. The applicant’s domestic high school background:* 
      Pass the National Entrance Examination or equivalent examination.

   b. SAT Reasoning Test scores sent directly to AIT. 
      (Combined Critical Reading, Mathematics and Writing)

   c. Central University Admission System (CUAS), which is annually held by Office of the Commission for Higher Education (CHE), Thailand.

   d. Submission of one of the following test results for evaluation: ACT, IB, IGCSE, GCSE “A” Level, 6th form or 7th form, NCEA.

   e. Transfer from another accredited university.

   f. Optional personal interview: An applicant may be asked to appear for an interview in a major city in his/her home country at the discretion of the Admissions Committee.

*For more details on various countries, please visit www.ug.ait.asia.
2. English competence assessment:
   a. Evidence of competence in English in the form of the score in English as a subject in the final school-leaving examination as well as evidence of the years in high school that English was the medium of instruction.
   
   OR
   
   b. IELTS score $\geq 5.5$. Scores must not be older than two years.
   
   OR
   
   c. Requirements of TOEFL
      - IBT TOEFL $\geq 76$ (equivalent 537 in paper based)
      - A paper-based placement test of English $\geq 537$
   
   OR
   
   d. AITET
      (For details check http://www.ait.ac.th/AIT/education/LanguageCenter)

Financial Assistance: AIT Undergraduate Fellowships
Based on the academic performance of students during the course of study, partial fellowships will be awarded to a select number of students. At the end of the each year of study, the recipients will be selected for the fellowships for the next year.

Admission Procedure
Applications for admission are accepted on an ongoing basis. AIT seeks applicants who show demonstrated commitment to and enthusiasm for intellectual growth. You may download and print application material from http://www.ug.ait.asia or refer to the enclosed CD.
The Library
The Library is central to the academic life of every student at AIT. The institute boasts an integrated online system with more than 230,000 items and 900 journal subscriptions in science, engineering, technology and management. It offers in-depth reference services, inter-library loans and facilities for computerized literature search.

Sports Facilities
Students can enjoy a wide variety of athletic pursuits while living on campus. AIT has a golf course, a swimming pool, badminton, squash and tennis courts, table tennis, facilities, basketball courts, and football, cricket and field hockey grounds.

The Language Center
The AIT Language Center offers a range intensive language and academic preparation programs for students studying at AIT. The programs are intended to ensure that students learn to use English for their own educational purposes while improving their competency in the language.

Career Center
Professional job recruitment fairs are held every semester by the AIT Career Center. Student internships, student assistantships and job placements are likewise facilitated through the Center.

Lecture Rooms
Lecture Rooms are fully equipped with facilities for teaching and research that include wireless Internet links.
Laboratories
Computer, communications, transmission and switching, network planning, wireless, digital image processing, GIS, e-learning, PC network, electronics, computer integrated manufacturing, mechatronics and automation, IC design and nanomaterials laboratories are all available.

Computing Facilities
Wireless networks are accessible everywhere at AIT, including dormitories, classrooms, laboratories, and study halls. The online capabilities of the campus make it easy for students to communicate with faculty members and other students on and off campus through e-mail, net meetings and video conferences.

Accommodation
A variety of dormitories are available to students. Dormitory rooms are equipped with furniture, telephones, and are connected to the Internet via AIT’s network.

Visa Arrangements for Thailand
Visa arrangements are facilitated by the Government Relations Unit for all non-Thai students.

Medical Insurance
AIT provides a standard insurance plan providing partial coverage of expenses for hospitalization, outpatient treatment, and dental work. The estimated cost is 2,599 Thai Baht per year or approximately US$ 75 per year. On campus medical services are provided by health professionals and medical staff on a 24-hour basis.
Fees and Expenses

All students are encouraged to reside on the AIT campus to benefit from the international environment for intellectual development and personal growth. The total estimated cost of living for a student is 130,000 Thai Baht per year.

* Tuition fee and other expenses are estimated in US Dollars, payments will be billed in Thai Baht.

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<tr>
<th>Tuition Fees and Expenses per Year</th>
<th>Thai Baht</th>
<th>US Dollars</th>
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<tbody>
<tr>
<td>Tuition Fees</td>
<td>216,000/year</td>
<td>6,000/year</td>
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<tr>
<td>Registration Fee</td>
<td>7,200/semester</td>
<td>200/semester</td>
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<tr>
<td>Living Expenses</td>
<td>130,000/year *</td>
<td>3,600/year *</td>
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Tuition Fees and Other Expenses

For more information
Please visit the official undergraduate website at: http://www.ug.ait.asia

Academic Calendar

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