The Asian Institute of Technology (AIT) is an independent, international autonomous institution based in Thailand, promotes technological change and sustainable development in the Asian-Pacific region through higher education, research and outreach. Established in 1959, AIT has become a leading regional institution and is actively working with public and private sector partners throughout the region and with some of the top universities in the world.

School of Environment, Resources and Development (SERD)
A key strength of AIT is its ability to respond to regional needs by mobilizing and enhancing capabilities for socioeconomic and environmental development through SERD. The School emphasizes on thematic areas including Bio-resources, Energy and Environment, Development Studies, and Interdisciplinary that integrates technology and natural and social science knowledge in its academic, studies and training activities.

AGRICULTURAL SYSTEMS AND ENGINEERING (ASE)
In response to regional demand for professional training, two areas of specialization are offered: Agricultural Systems (AS) and Agricultural Engineering (AE). Students are trained to develop, adopt and disseminate knowledge and technologies that focus on the utilization and management of biological and agricultural systems and natural resources. Both AS and AE are in a productive alliance to complement each other within the wide spectrum of activities being undertaken at Agricultural Systems and Engineering (ASE). The ASE places its emphasis on sustainable agricultural development based on a holistic understanding of agronomic and biophysical production factors, from the perspective of producer and the effects of economic and social forces on agricultural enterprises. It highlights the application of biological sciences, engineering, socio-economic policies and programs, and support services to agriculture to increase the efficiency of agricultural production systems through availability and efficient use of inputs and management of natural resources.

Fieldwork and practical exercises have been inseparable from agricultural curricula at ASE. At ASE, we strive to comply with up-to-date methodologies and practices while making the best use of available resources. Through its professional linkages formal or informal, with private and public sectors, ASE has been efficiently handling quality research activities.

Coursework and Research
The curriculum offered by the ASE program includes courses mainly in:

- Agricultural Systems Analysis
- Agricultural Environments
- Farm Production Engineering
- Crop Eco-physiology and Modeling
- Human Factors Engineering
- Design and Testing of Agricultural Equipment
- Crop Productivity Management
- Livestock Productivity Management
- Agricultural Systems
- Farm Management Economics
- Precision Agriculture
- Agricultural Soil Mechanics
- Instrumentation and Measurement Techniques
- Aquacultural Engineering
- Controlled Environment Agriculture
- Integrated Pest management
- Agricultural Watershed System
- Agricultural Sector and Policy Analysis

AIT’s multicultural environment
- 2,300+ Students from 50+ Countries/Territories
- 18,000+ Alumni from 70+ Countries/Territories
- 28,000 Short-term Trainees from 70+ Countries/Territories
- 120 World Class Faculty from 20+ Countries
- 33 board of trustee members from 19 countries

Our approach to learning
- Professionalism across Disciplines
- Individualized Academic Advising
- Flexible Curricula
- Real-Life Development Problems and Industrial Practice
- Small Class Sizes in Multicultural Environment
- Global Network of Colleagues
- Opportunity for Student Exchange and Double-Degree Programs
**Career for Graduates**
Graduates from the ASE work in several areas of public and private nature, including agricultural departments, agricultural research stations, agricultural machinery manufacturers, universities, and R&D institutions. Many of the M.Sc./M.Eng. students also choose to pursue a Doctoral degree either at AIT or other reputed institute elsewhere in the world.

**Financial Support**
AIT offers a limited number of financial awards in the form of scholarship i.e. Queen Scholarship, ADB, World Bank, SIDA, NORAD, ASEAN Foundation, Japanese Scholarships, GMS Scholarship, etc. and fellowships including RTG fellowship for the master’s and doctoral programs, on a highly competitive basis, and for those who can show proof of financial need during their study at AIT.

**How to Apply**

**Master Degree program**
To be eligible for admission to the degree and non-degree programs, a candidate should:
- Hold a bachelor’s degree (normally from a four-year program) or its equivalent in an appropriate Engineering or related field as specified by the fields or area of study
- Hold the degree from an institution of recognized standing
- Have undergraduate grades significantly above average
- Have satisfactory physical and mental health to pursue academic studies at the graduate level
- Possess an acceptable level of English language proficiency.

**Doctoral Degree Program**
To be eligible for admission to the regular Doctoral degree program, an applicant must:
- Have strong academic records (both undergraduate and graduate) and normally hold a four-year bachelor’s degree
- Have a Master’s degree, preferably with a combination of course and thesis work

**Documents to Submit (Master)**
- AIT application form
- Two letters of recommendation
- An official transcript of undergraduate degree
- TOEFL (internet-based: 61; computer-based: 173; paper-based: 500)/ IELTS (4.5) or AIT-English Test (4.5).

**Documents to Submit (Doctoral)**
- AIT application form
- Two letters of recommendation
- An official transcript of both undergraduate and graduate degrees
- TOEFL (internet-based: 76; computer-based: 200; paper-based: 537)/ IELTS (5.5) or AIT-English Test (5.5).
- Submit a brief outline of dissertation research proposal including the required research facilities, if necessary.

**Application & Scholarship Deadlines**
- January Semester: November 1st
- August Semester: May 1st

**Download application materials:**
http://www.ait.asia/admissions/forms.html or apply online: http://www.ait.asia/applyoneline/

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**Cost Per Program**

<table>
<thead>
<tr>
<th>Study Cost</th>
<th>Doctoral Program</th>
<th>Master’s Program</th>
<th>Diploma</th>
<th>Certificate</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>6 Semesters</td>
<td>4 Semesters</td>
<td>2 Semesters</td>
<td>1 Semester</td>
</tr>
<tr>
<td></td>
<td>(84 Credits)</td>
<td>(48 Credits)</td>
<td>(24 Credits)</td>
<td>(12 Credits)</td>
</tr>
<tr>
<td></td>
<td>36 Months</td>
<td>22 Months</td>
<td>12 Months</td>
<td>5 Months</td>
</tr>
<tr>
<td>Registration Fee @20,000 Baht per Semester</td>
<td>120,000 Baht</td>
<td>80,000 Baht</td>
<td>40,000 Baht</td>
<td>20,000 Baht</td>
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<tr>
<td>Tuition Fee @14,000 Baht per Credit</td>
<td>1,176,000 Baht</td>
<td>672,000 Baht</td>
<td>336,000 Baht</td>
<td>168,000 Baht</td>
</tr>
<tr>
<td>TOTAL</td>
<td>1,296,000 Baht</td>
<td>752,000 Baht</td>
<td>376,000 Baht</td>
<td>188,000 Baht</td>
</tr>
</tbody>
</table>

*Excluding living cost, which varies from 8,500-11,500 Baht/month depending upon student life style*

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For details, please contact:
Coordinator
Agricultural Systems and Engineering
School of Environment, Resources and Development
Tel: (66) 2 524-5450, Fax (66) 2 524-6200
Email: ase@ait.asia
http://www.serd.ait.ac.th/

Submission of completed application forms with supporting documents to:
Admissions and Scholarships Unit
Asian Institute of Technology
P.O. Box 4, Klong Luang, Pathumthani 12120, Thailand
E-mail: admissions@ait.ac.th
Phone: (66) 2524-5031-33, Fax: (66) 2524-6326