AIT
Asian Institute of Technology

Professional Master's Program in Data Science

DEPARTMENT OF INFORMATION AND COMMUNICATION TECHNOLOGIES

ABOUT AIT

The Asian Institute of Technology (AIT) is an international English-speaking postgraduate institution, focusing on engineering, environment, and management studies. AIT's rigorous academic, research, and experiential outreach programs prepare graduates for professional success and leadership roles in Asia and beyond.

Founded in 1959, AIT offers the opportunity to study at an institution in Asia which possesses a global reputation. Going forward, AIT will be stressing its global connections, injection of innovation into research and teaching, its relevance to industry, and its nurturing of entrepreneurship, while continuing to fulfill its social impact and capacity building role. Sitting on a beautiful green campus located just north of Bangkok, Thailand, AIT operates as a multicultural community where a cosmopolitan approach to living and learning is the rule. You will meet and study with people from all around the world.

Today, AIT's internationally recognized engineering, environment, and management graduates are highly sought after by employers in their home country and elsewhere. Across many walks of life in Asia, AIT alumni have distinguished themselves as CEOs of private and state enterprises, as business owners, as well-respected researchers and faculty, and as senior university and government officials.

COURSES

▶ Computer Programming for Data Science
▶ Data Modeling and Management
▶ Fundamentals of Machine Learning
▶ Mathematical for Data Science
▶ Data Analytics for Business Intelligence
▶ Computer Vision
▶ Deep Learning
▶ Human-Computer Interaction

Contact Us

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ENTRY REQUIREMENTS

To be eligible for admission to AIT Professional Master's, an applicant must:

1. Hold a bachelor's degree from a four-year program or its equivalent in a relevant field of study.
2. Have above-average undergraduate grades.
3. Have a good command of English with an English proficiency score IELTS academic writing band at least 5.0.
4. Must be currently working. Applicants with related work experience is preferable.

PROGRAM STRUCTURE

Semester	Period	Course
First semester	August-Mid December 2021	Core and elective courses
Second semester	January-Mid May 2022	Core and elective courses
Third semester	June-July 2022	Individual project with industry

YOUR GOAL: TO BECOME A QUALIFIED EXPERT IN THE PRINCIPLES AND PRACTICES OF DATA SCIENCE

- The program is conducted during non-working hours (weekends and evenings).
- Language of Instruction: English

DATA SCIENCE is concerned with the extraction of useful knowledge from data sets. It is closely related to the fields of computer science, mathematics, artificial intelligence, and statistics. It is a relatively new term for a broad set of skills spanning the more established fields of machine learning, data mining, databases, and visualization, along with their applications in various fields. In 2012, Harvard Business Review called the data science **"The Sexiest Job of the 21st Century."**