Professional Master in
DATA SCIENCE
& ARTIFICIAL INTELLIGENCE

INTRODUCTION

Data science (DS) is concerned with the extraction of useful knowledge from data sets. It is closely related to the fields of computer science, mathematics, 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."

The AIT Masters in DS & AI was designed in partnership with the Erasmus+ DS&AI consortium, a group of 15 European and Asian organizations with the mission of bringing European-standard advanced education to Asia. At AIT, we will prepare you to understand and execute projects using state of the art technology at both levels.

Graduated candidates are privileged to :

» Join and work closely with Alumni network of AIT Vietnam with 4,000+ members and AIT Worldwide.

» Have more attractive job opportunities at large technology corporations.

» Have chances to work in Japan with high income offerings.

AIT
Asian Institute of Technology

CONTACT

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AIT Vietnam   AIT   SET

GLOBALIZING YOUTH
REDEFINING **TECHNOLOGY**

TARGET STUDENTS

The program is designed for working professionals with a background in ICT who would like to extend their skillset to encompass data science. The program is initially designed for the Vietnamese professional market, but we will explore opportunities in countries such as Nepal, Myanmar, Thailand, Sri Lanka, India, Pakistan, China, Indonesia, and Malaysia.

PREFERRED BACKGROUND

To study DS&AI, students should come from one of the following backgrounds.

» Computer Science/Computer Engineering/ICT.

» Engineering background with work experience, mathematical skills, and programming skills.

» Diverse backgrounds such as business, finance, or other non-engineering fields. Candidates must take a foundation course in calculus, discrete mathematics, linear algebra, and basic computer programming (free of charge).

ADMISSION REQUIREMENTS

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

1. Hold a Bachelor degree (from a four-year program), or its equivalent, in a relevant field of study.

2. Have above average undergraduate grades.

3. Have good command of English with an English proficiency score of IELTS academic writing band at least 4.5

4. Must be currently working.

PROGRAM STRUCTURE

Master in DS&AI is of 30 credits which includes 24 course credits and 6 project credits. The program comprises of three semesters:

Semester	Period	Course
First semester	January - May 2021	Core and elective courses
Second semester	June - October 2021	Core and elective course
Third semester	November - December 2021	Individual project with industry
Graduation	December 2021	Project defense and graduation ceremony at AIT.

Other informations

» The program is conducted during non-working hours (weekends and evenings).

» Language of Instruction: English

COURSE STRUCTURE

Courses

» Computer Programming for Data Science
» Data Modeling and Management
» Machine Learning
» Mathematical Foundations of Data Science

» Business Intelligence and Analytics
» Computer Vision
» Recent Trends in Machine Learning
» Human – Computer interactions