

Learn & Apply Data Science and AI

University-wide Education Program in Data Science and Artificial Intelligence



Call for Applications for the FY 2023 Education Program

Expert Level (for master and doctoral students)

Registration is Now Open

<https://www.dsai.titech.ac.jp/en/program/>



Registration Guide

In today's digital information society, the roles of mathematics, data science, and AI are rapidly expanding. These fields are increasingly fundamental in all areas of social life, industry, research and development, and other broad spheres. In order to develop talent that will eventually have the ability to solve problems by making full use of data science and AI, regardless of their field of specialization, taking advantage of the merits of a science and engineering university, the center is implementing a university-wide education program aimed at providing integrated education on data science and AI from the literacy level to the expert level.

University-wide Education Program in Data Science and Artificial Intelligence (Expert Level)

The goal is to acquire the ability to solve real world problems with DS&AI technology, the ability to connect DS&AI technology with other fields, and the competency to teach DS&AI technology, becoming a "co-creative expert".

Completion Requirements

Master students

Master students must earn two credits of the course set (A) and two or more credits from the course set (B).

Course set (A)

Fundamentals Courses — Fundamentals of Data Science,
Fundamentals of Artificial Intelligence

Course set (B)

Fundamentals Courses — Exercises in Fundamentals of Data Science,
Exercises in Fundamentals of Artificial Intelligence

Applied Courses — Applied Artificial Intelligence and Data Science A-D

Practical Courses — Practical Artificial Intelligence and Data Science A-C

Doctoral students

Doctoral students must earn two credits of the course set (A') and two or more credits from the course set (B'). Credits from Course set (A) and Course set (B) acquired at the master's level can also be incorporated, so please refer to our website (<https://www.dsai.titech.ac.jp/en/limited/course-guide-expert-level/>) for details. Also, please note that the numbers of Practical courses are in the 400s.

Course set (A')

Fundamentals Courses — Fundamentals of Progressive Data Science,
Fundamentals of Progressive Artificial Intelligence

Course set (B')

Fundamentals Courses — Exercises in Fundamentals of Progressive Data Science,
Exercises in Fundamentals of Progressive Artificial Intelligence

Applied Courses — Progressive Applied Artificial Intelligence and Data Science A-D

Practical Courses — Practical Artificial Intelligence and Data Science A-C

There are some exceptions to the rule. Please refer to the web site for details (internal).
<https://www.dsai.titech.ac.jp/en/limited/study-guide-expert-level/>



Completion of this Program

An open badge, as shown to the right, will be issued as a certificate electronically to those who have completed this program.



Course structure

