

November 19, 2018

Bangladesh University of Engineering and technology
Faculty of Electrical and Electronic Engineering
BUET,
Dhaka-1000
BANGLADESH

To whom it may concern,

Letter of Notification of
Data Sciences Program II

Warm greetings from Tohoku University, Japan!

It is our honor to introduce the program called "Data Sciences Program II" for your excellent students who wish to study Master's + Doctor's courses or Doctor's course in the Data Science field at our university.

Now we are at the stage of recruiting highly motivated students for 2019 October entrance. Please kindly find the leaflet and the poster enclosed and inform to your students. It is a good opportunity to study in Japan with the chance of financial support from the Japanese government MEXT.

For more information, please kindly take a look at the website:

<http://www.is.tohoku.ac.jp/eng/dsp2/>

Should you have any questions, please do not hesitate to contact us at:

DSPII Admissions Office
Graduate School of Information Sciences, TOHOKU UNIVERSITY
Room 413, 6-3-09 Aramaki-aza-Aoba, Aoba-ku, Sendai, 980-8579 JAPAN
E-mail: ilo@is.tohoku.ac.jp Phone + FAX: +81-22-795-4691

Sincerely yours,
Ikumi Koyama (Ms.)
DSPII Admissions Office

Enclosure: DSPII2019 Leaflet, DSPII 2019 Poster

N.B., email,

Data Sciences Program

Tohoku University Japan

Human Resource Development of
Data Science Incorporating with
Advanced Research and Education Programs

2019 Oct. Entrance

- 🌀 Brush up your Data Science skill and learn Japanese culture
- 🌀 Chance of getting MEXT Scholarship
- 🌀 No need to come to Japan for the entrance examination

Pre-Application period

January
2019 **7th**



January
2019 **18th**

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See more information ▶

DSPII Tohoku University



Double Mentor System

A student belongs to the other graduate school than GSIS is arranged to have double mentors, one is your supervisor and the other is a GSIS mentor related to your expertise, to help your interdisciplinary study of data sciences.

Main Mentor
(Your supervisor)



YOU



Secondary Mentor
(From GSIS)



Academic Calendar

Fall Semester (Oct. 2019 - Mar. 2020)

Class begins	Beginning of Oct.
DSPII Orientation	Beginning of Oct.
Winter Vacation	End of Dec. - Beginning of Jan.
Class ends	Beginning of Feb.
Spring Vacation	Beginning of Feb. - Beginning of Apr.

Spring Semester (Apr. 2020 - Sep. 2020)

Class begins	Beginning of Apr.
Class ends	Beginning of Aug.
Summer Vacation	Beginning of Aug. - End of Sep.

DSP Facebook

We have a "Group" page where you can communicate with your DSP friends. Feel free to utilize the page, chat with your friends, up your gourmet news, celebrate your friend's birthday, or etc. We will put our news on the page as well. Please visit ↓



DSP Tohoku University



Tohoku University

Data Sciences Program

Human Resource Development of Data Science
Incorporating with Advanced Research
and Education Programs

Cooperating Graduate Schools:
Information Sciences (GSIS) *Coordinator
Life Sciences
Economics and Management
Biomedical Engineering

Guidance 2019

DSPII Admissions Office
c/o GSIS International Liaison Office
Graduate School of Information Sciences
Tohoku University
Room413, 6-3-09 Aramaki-aza-Aoba, Aoba-ku,
Sendai, Miyagi 980-8579 JAPAN
Phone: +81-22-795-4691
E-mail: ilo@is.tohoku.ac.jp

GSIS



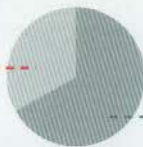
Overview

Master's course

You need to earn at least 18 credits from Major subjects in your department/course and at least 10 credits from DSPII subjects listed on the other page, where DSPII subjects are regarded as Related subjects in your department/course. In total, at least 30 credits are obligatory for graduation.

At least 30 credits in total

At least 10 credits from DSPII subjects



At least 18 credits from Major subjects in your department/course

DSPII Subjects provided by GSIS

Fundamentals of Data Sciences

Take at least 2 subjects (1 subject = 2 credits)

Subjects for Data Sciences

Take at least 1 subject from each category I, II, III (1 subject = 2 credits)

Training Subjects (1 subject = 1 credit)

Big Data Skill Up Training For those who are not so familiar with mathematical and statistical calculations using R and Python, please take this subject

Data Science Training Camp I, II ※Compulsory subject

[Option] Internship (1-2 credits)

Doctor's course

Although the doctor's course students are expected to devote themselves mostly to their own research work, Advanced Seminars I, II and Big Data Challenge are compulsory for them to complete the DSPII program.

High Light

Learning Japanese Language & Culture

The participants are highly encouraged to learn Japanese language and culture, because this is one of primary reasons for studying abroad.

"Tohoku University Japanese Language Program at Kawauchi" offers you a wide variety of opportunities of learning including an e-learning system.

<http://www.he.tohoku.ac.jp/SJLE/JLPK/guide-e.pdf>

Curriculum

Master's course

	Fall Semester	Spring Semester
Fundamentals of Data Sciences Take at least 2 subjects (1 subject = 2 credits)		
	Data Science Basic	Information Ethics
	Interdisciplinary Information Sciences	Legal System in Information Society
Subjects for Data Sciences Take at least 1 subject from each category I, II, III (1 subject = 2 credits)		
Data Sciences I - Sensing - Storage - Computing	High-Performance Computing	Computer Structures
	Computer Architecture	Theory of Differential Equations
	Information and Communications Technology (Odd-numbered year only)	Computer Vision (Odd-numbered year only)
	Foundations of Software Science (Odd-numbered year only)	Physical Fluctuomatics
Data Sciences II - Analysis - Mining	Internet and Information Security	Intelligent Systems Science (Odd-numbered year only)
	Design and Analysis of Information Systems	Intelligent Control Systems (Even-numbered year only)
	Communication Science (Even-numbered year only)	Game Theory for Applied Economics
	Probability Models	IT Fundamentals (Intensive course)
Data Sciences III - Problem Solving - Design	Cryptography	Information Biology
	Spatial Information Analysis	Mathematical Urban Modeling
	CS Fundamentals (Intensive course)	Biomodeling
	Spatial Economics	System Control Science
	Applied Intelligence Software	Applied Data Sciences
Training Subjects (1 subject = 1 credit)		
Big Data Skill Up Training	Training of R and Python	
※ Data Science Training Camp	Training Camp I, Training Camp II	

※Compulsory for Master's course students

Doctor's course

※ Advanced Seminar I, II	Data science-related meetings, symposia, and conferences assigned by DSPII (1 credit each)
※ Big Data Challenge	Project-based learning based on knowledge and skills of data science (2 credits)

※Compulsory for Doctor's course students