

GSIS Course Timetable

Academic Year 2026

(2-year Master Program)

In case there is a change in the timetable, the latest version will be updated on the web page of the Graduate School of Information Science (<https://www.is.tohoku.ac.jp/>).
Be sure to check it frequently.

Graduate School of Information Sciences Tohoku University

Classroom Code Location (Campus map area)	The 1st Quarter courses will be held on this period
【GSIS-○】 Gradute School of Information Sciences (Garea) G01	
【EIKE-○】 Dept. of Electrical, Information and Physics Engineering, School of Engineering (D,G area)	The 2nd Quarter courses will be held on this period
【ME-○】 Dept. of Mechanical Engineering, School of Engineering (A area)	
【QSE-○】 Dept. of Quantum Science and Energy Engineering, School of Engineering (A area)	
【CEA-○】 Dept. of Civil Engineering and Architecture, School of Engineering (F area)	◎ Courses marked with * are "Common fundamental subject".
【CC-○】 Center Square, Central Hall, School of Engineering (C area)	◎ The lectures which are not taken in your affiliated department are regarded as "Related subject".
【ELCB-○】 Engineering Laboratory Complex Building, School of Engineering (C area)	
【ES-○】 Graduate School of Environmental Studies Research Building (Lecture Room) (J area)	◎ Courses written in red will be "every other year".
【RIEC-○】 Research Institute of Electrical Communication <Katahira Campus (G area) >	
【IFS-○】 Institute of Fluid Science < <Katahira Campus (C area) >	

GSIS Master Course Timetable
(Spring Semester 2026)

Department
Color Code

Computer and
Mathematical
Sciences

System
Information
Sciences

Human-Social
Information
Sciences

Applied
Information
Sciences

1st
8:50~10:20

2nd
10:30~12:00

3rd
13:00~14:30

4th
14:40~16:10

5th
16:20~17:50

M o n	Humanities and Social Studies in Information Sciences* Harada etc 【GSIS-206】	Intelligent Integrated Systems Hanyu,Hariyama, Waidyasooriya 【GSIS-206】	Highly-Reliable System Design Hariyama, Waidyasooriya 【GSIS-206】	Computer Structures Aoki,K.Ito 【GSIS-206】	
			Methods of Sociological Fieldwork Tokugawa 【GSIS-512】	Practical Information Literacy A Wada 【GSIS-514】 (Every other week)	
T u e	Computer Hardware Fundamentals Takizawa,T.Tanaka	1st Quarter 【QSE-Lecture Hall(A41)】	Applied Mathematical Fluid Dynamics Hattori,Hirota	1st Quarter 【ME-7(A02)】	
		Algebra and discrete mathematics H.Tanaka 【GSIS-206】	English Communication Murchie.S 【GSIS-206】		
W e d	System Control Engineering I Hashimoto,Hirata	2nd Quarter 【ME-5(A02)】	Media Communication Studies Sakata 【GSIS-822】 (Every other week)		
		Information Media Education Nagahama 【GSIS-206】	Communication Theory Hasegawa 【Online】	Analysis of Micro Socio-Economic System R.Itoh 【GSIS-207】	
		Theory of Differential Equations K.Tanaka 【GSIS-207】			
		Theory of Linguistic Structure Ogawa 【GSIS-310】			
		Algorithm Theory Shu,Tamura 【EIPE-Bldg. No.1 (D10),2C】			
		Study of Social Structure and its Change Tokugawa 【GSIS-512】			
		Econometric System Analysis Fujiwara 【GSIS-412】			
T h u	Project Evaluation Kono 【CEA-203(F01)】	Information Ethics* Omori etc 【GSIS-206】	Physical Fluctuomatics K.Tanaka 【GSIS-207】	Academic Writing in English* Yamada etc 【GSIS-206】	
	Applied Fluid Mechanics Ishimoto,Iga	2nd Quarter 【ME-4(A02)】	Mathematical Urban Modeling Akamatsu 【CEA-205(F01)】	Time Series Analysis Imamura Yamakawa, Otake 【CEA-203(F01)】	
F r i	Game Theory for Applied Economics Z.Zeng 【GSIS-206】	Higher Order Vision Science Koida Chia-Huei Tseng 【RIEC-M153(G10)】	Institutional Analysis Fukumoto 【CEA-203(F01)】		
	Intelligent Control Systems Hashimoto,Kagami	2nd Quarter 【ME-2(A02)】			
		Mathematics for Information Sciences Taya 【GSIS-206】			
	Urban Landscape Design Hirano 【CEA-203(F01)】				

GISIS Master Course Timetable
(Fall Semester 2026)

Department
Color Code

Computer and
Mathematical
Sciences

System
Information
Sciences

Human-Social
Information
Sciences

Applied
Information
Sciences

1st
8:50~10:20

2nd
10:30~12:00

3rd
13:00~14:30

4th
14:40~16:10

5th
16:20~17:50

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Acoustic Information Science Sakamoto, A. Ito [GSIS-207]	Statistical Modeling Araki [GSIS-206]	Cryptographic Protocols Mizuki [GSIS-206]	Introduction to Critical Thinking Omori [GSIS-310]	Practical Information Literacy B Wada [GSIS-514]
Computer Vision Okatani 1st Quarter	[ME-7 (A02)]	Fundamental Artificial Intelligence J.Suzuki	1st Quarter	[Kawauchi M 201]
Political Methodology M.Harada [GSIS-512]		Topics in Mathematics Bao [GSIS-610]	Applied Data Sciences GSIS Nishi etc GSL S.Sato etc GSEM Matsuda etc [GSIS-207]	

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High-Performance Computing Takizawa	1st Quarter [Online]	Information Network Systems Suganuma [EIPE-Bldg. No.1 (D10),1A]	Special Topics in Numerical Analysis Miyazima [GSIS-610]	Seminar in Morphology Ogawa [GSIS-310]
	Advanced Coding Theory Masaaki Harada [GSIS-711]	Urban Economics R.Itoh [GSIS-412]		
		An Analysis of Verbal Expressions in Linguistic Communication Ogawa [GSIS-310]		

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Biomechatronics M.Tanaka 2nd Quarter	[School of Engineering Administration Office203 (C05)]	Cognitive Science of Higher Mental Functions Matsumiya, Wada [GSIS-207]	Advanced Applied Data Analysis Shiga,Yamada SUN,Kodate [GSIS-207]	Interdisciplinary Information Sciences* 5.6th Yamada,Fukuda [GSIS-207]
	Information Contents Kitamura [RIEC-M531(G10)]	Logic for Information Science Nakano [RIEC-M531(G10)]	Software Construction Unno [RIEC-M531(G10)]	Law and Management of Information Security Hiji,Takaya Nakamura [Online]
	Learning Psychology from Brain Science Hosoda [GSIS-512 (Online)]	Topics in Statistical Sciences Naito [GSIS-610]		
	Econophysics Fujiwara,Fujiki [GSIS-207]	Methods of Sociological Fieldwork(2) Okada [GSIS-512]		

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	Cryptology Kuribayashi Sakai, Isobe [GSIS-206]	Mathematical Informatics Ohzeki [GSIS-207]	Secure Information Communication Systems Homma [RIEC-M153(G10)]	Practical English for Data Science ※6th Yamada etc [GSIS-514]
	Study of Civil Society Okada [GSIS-512]			
	Natural Language Processing Inui, Sakaguchi [EIPE-Bldg. No.1 (D10),2A]			

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	Applied Intelligence Software Suganuma, Abe,Goto [RIEC-M153(G10)]	Spatial Information Analysis Inoue [CEA-205(F01)]	Academic Writing in English* Yamada etc [GSIS-206]	Foundation and Practical Development of Advanced Technology Yamada, JEITAInstructor [GSIS-207]
	Behavioral Analysis Okumura [CEA-203(F01)]	Numerical Analysis Makihara,Yakeno 1st Quarter	[ME-3(A02)]	
	Topics in Classical Analysis Sugawa [GSIS-609]	Systems Bioinformatics Kinoshita etc [Online]	Information biology Obayashi [Online]	
		Foundations of Software Science Sumii,Matsuda [GSIS-207]	Computer Science Overview T.Ito,Kawamoto, Waidyasooriya [EIPE-Bldg. No.1 (D10),2A]	

GSIS Intensive Course and Compulsory Course List (Academic Year of 2026)

Intensive Course

The following lessons will be intensive lectures for the mentioned major.

The date and time will be announced later in a notice. All the courses in this list are OPTIONAL.

Subject Name	Open Semester	Intended Department	Instructor	Schedule
Information Technology Fundamental	Spring	All Department	Kazunori Yamada Shigeru Hanano	Only students enrolled prior to the 2025 academic year are eligible to take this course.
Computer Science Fundamentals	Fall	All Department	Kazunori Yamada etc	Only students enrolled prior to the 2025 academic year are eligible to take this course.
Mathematical Structures, Special Lecture	Spring	Computer and Mathematical Sciences, System Information Sciences	Saiei Matsubara Kazuki Hiroe	
Mathematical System Analysis, Special Lecture	Spring	Computer and Mathematical Sciences, System Information Sciences	Kei Funano Hiroshi Tsuzi	
English Presentation	Spring	All Department	Steven John BREITHERICK	
Hands-on introduction to cyber attacks and their countermeasures	Spring	All Department	Undecided	
Tough Cyberphysical AI	Spring	All Department	Kazunori Ohno	
Introduction to Time Series and Spatial Modeling	Fall	All Department	Shinsuke Koyama	
Data Engineering (WEB course registration)	Spring	All Department	Kazunori Yamada etc	
Data Science Training I (WEB course registration)	Spring	All Department	Kazunori Yamada etc	
Data Science Training II (WEB course registration)	Spring	All Department	Kazunori Yamada etc	
Data Science Programming Basics (WEB course registration)	Spring	All Department	Kazunori Yamada etc	

◎ Courses marked with * are "Common fundamental subject". ◎ Courses written in red will be "every other year".

Compulsory Course

The following lessons will be conducted in respective course / laboratory. The lessons in this list are SELECTABLE COMPULSORY.

Subject Name	Open Semester	Intended Department	Instructor	Remarks
Seminar on Mathematical Structures	_____	Computer and Mathematical Sciences		
Seminar on Computer and Information Sciences	_____			
Advanced Seminar on Mathematical Structures A	_____			
Advanced Seminar on Mathematical Structures B	_____			
Advanced Seminar on Computer and Information Science A	_____			
Advanced Seminar on Computer and Information Science B	_____			
Seminar on Mathematical System Analysis	_____	System Information Science		
Seminar on System Information Sciences	_____			
Advanced Seminar on Mathematical System Analysis A	_____			
Advanced Seminar on Mathematical System Analysis B	_____			
Advanced Seminar on System Information Sciences A	_____			
Advanced Seminar on System Information Sciences B	_____			
Seminar on Human-Social Information Sciences I - III	_____	Human-Social Information Sciences		
Advanced Seminar on Human-Social Information Sciences A I - III	_____			
Advanced Seminar on Human-Social Information Sciences B I - III	_____			
Seminar on Applied Information Sciences I · II	_____	Applied Information Sciences		
Advanced Seminar on Applied Information Sciences A I - II	_____			
Advanced Seminar on Applied Information Sciences B I - II	_____			
Advanced Computer Training *	_____			

* These courses are OPTIONAL.

GSIS Course Timetable

Academic Year 2026



(3-year Doctoral Program)

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on the web page of the Graduate School of Information Science (<https://www.is.tohoku.ac.jp/>).
Be sure to check it frequently.

Graduate School of Information Sciences
Tohoku University

GSIS Doctoral Program Course List (Academic Year of 2026)

Compulsory / Optional Subjects

Please follow the requirement of each laboratory or program you belong to.

Subject name	Open Semester		Intended Department	Instructor	Compulsory / Optional
Fundamental Doctor Course Seminar	_____	_____	All Departments	-	Compulsory
Doctor Course Seminar A	_____	_____	All Departments	-	Compulsory
Doctor Course Seminar B	_____	_____	All Departments	-	Compulsory
Advanced Doctor Course Seminar	_____	_____	All Departments	-	Optional
Advanced Seminar I * (WEB course registration)	_____	_____	All Departments	_____	Optional
Advanced Seminar II * (WEB course registration)	_____	_____	All Departments	_____	Optional
Data Science Challenge * (WEB course registration)	Spring	(5th.6th hr.) 【GSIS-206】	All Departments	Kazunori Yamada	Optional
Data Science Special Training	_____	_____	All Departments (GP-DS students)	_____	Optional

* These courses are compulsory for DSP II ,AIQDS/ GP-DS students

Courses with changed names

Before Change	After Change	Change Year
Data Science Basic	Machine Learning Basics	2024
Information Literacy Studies	Information Media Education	2024
Statistical Systems Analysis for Complex Systems	Introduction to Time Series and Spatial Modeling	2024
Data Science Training Camp I	Data Engineering	2024
Data Science Training Camp II	Data Science Training II	2024
Big Data Skill Up Training	Data Science Programming Basics	2024
Big Data Challenge	Data Science Challenge	2024
Mathematical Structures I a	Topics in Topology	2025
Mathematical Structures II a	Topics in Classical Analysis	2025
Mathematical Structures IIb	Topics on algebraic differential equations	2025
Mathematical System Analysis I a	Advanced Coding Theory	2025
Mathematical System Analysis I b	Advanced Geometric Analysis	2025
System Information Mathematics II	Advanced Mathematical Logic	2025