Graduate Program on Intelligent Information Processing
Graduate School of Information Science and Technology, The University of Tokyo

1.Attached Table: Courses offered at academic year 2025

Subject Type	Course Name	Number of Credits	Requirements	References
A (Common)	Information Science and Technology Ethics	0.5	Mandatory	Courses will have different implementations at different departments
	Computer Science Seminar (Master Course) I, II	1 each		
	Special Lectures in Computer Science (Master Course) I, II	6 each		
	Practical English Presentation Skill	1		
	or			
	Colloquium on Mathematical Informatics I, II	2 each		
	Research Project on Mathematical Informatics I, II	6 each		
	or			
	Information Physics and Computing Seminar I, II	2 each		
	Research Project on System Informatics I, II	6 each		
	or			
	Information and Communication Engineering Master Course Seminar I, II	2 each		
	Research Project on Information and Communication Engineering I, II	5 each		
	or			
	Directed Reading for Master Course in Mechano-Informatics I, II	2 each		
	Master Course Thesis Research and Preparation in Mechano-Informatics I, II	6 each		
	or			
	Creative Informatics Master Seminar	2		
	Creative Informatics Master Practice	2		
	Creative Informatics Master Project Research	10		
	Practical English	1		
	or			
	Computer Science Seminar (Doctoral Course) I, II, III	2 each		
	Special Lectures in Computer Science (Doctoral Course) I, II, III	4 each		

	or Advanced Colloquium on Mathematical Informatics I, II, III Advanced Research Project on Mathematical Informatics I, II, III *or* Advanced Research Project on System Informatics I, II, III *or* Advanced Research Project on Information and Communication Engineering I, II, III *or* Doctoral Dissertation Research and Preparation in Mechano-Informatics I, II, III *or* Creative Informatics Doctoral Seminar Creative Informatics Doctoral Project Research Special Practical English	 1 each 4 each 4 each 4 each 2 12 1		
B (Basic)	Academic Writing Special Topics in Brain Science I Special Topics in Brain Science II Brain Information Processing Systems Special Topics in Mechano-Informatics II Mechano-Informatics Laboratory Exercises in Mechano-Informatics Academic Presentation Academic Communication Course Offered by JLCSE ※	2 2 2 2 2 2 2 1 2 1～10	Selective Mandatory for Master Students	Master students must obtain at least 14 credits from B～D
C (Core)	Advanced Natural Language Processing Introduction to Near-Term Quantum Computation Advanced Data Analysis Approximation and Online Algorithms with Applications Algorithms for Information Security and Privacy Remote Sensing Image Analysis Efficient Search Methods in Artificial Intelligence Analytical Methods in Mathematical Informatics Topics on Nonlinear Phenomena Mathematical Structures in Informatics Physical Information Bio-Cybernetics System Control Theory Advanced Topics of Imaging	2 2 2 2 2 2 2 2 2 2 2 2	Selective Mandatory	Master students must take at least 8 credits, doctoral students must take at least 2 credits from C～D

	Systems Advanced Computer Architecture Network Architecture for Digital Communication Natural Language Processing Cognitive Multi-Media Processing Visual Interaction Research Design Web Engineering Advanced Machine Learning Discrete Methods in Mathematical Informatics Physics-based Animation Basic Machine Learning Reinforcement Learning Probabilistic Generative Models Applied to Musical Audio Data	 2 2 2 2 2 2 2 2 2 2 2 2		
D (Application)	Technical and Scientific Computing I Technical and Scientific Computing II Internship I Internship II Practical Data Science I Practical Data Science II International Research Internship	2 2 1 2 2 2 2	Selective Mandatory for Master Students	Master students must obtain at least 14 credits from B～D

The list of courses in Type B, C, and D may be updated, students must refer to the program homepage for the latest information

The courses in this table will be used to determine the total credits students are eligible to earn in the 2025 academic year. For information on courses eligible for credit in other academic years, please consult the table published for those respective years.

※ List of courses offered at JLCSE in academic year 2025
https://www.jlcse.t.u-tokyo.ac.jp/en/course/

2. Points from International Exchange Activities

Japanese students should collect points of international activities.

- Joining programs at foreign universities or international conferences 1 point for a night stay with activities abroad. To obtain the points, students must submit a copy of their e-tickets and documents explaining the activity details (such as a conference website or e-mails from foreign universities) to International Center for Information Science and Technology. Two (2) points are additionally given if one does an oral presentation in international conference held abroad. Attach conference program, in this case.
- Joining exchange activities with international students, arranged by IST 1 point per 1 participation. Send the documents (web pages for events, email correspondence with faculty and staff in charge, documents that explain work details, etc.) to International Center for Information Science and Technology by attached files.