

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 2026

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		
	<i>or</i>			
	Colloquium on Mathematical Informatics I, II	2 each		
	Research Project on Mathematical Informatics I, II	6 each		
	<i>or</i>			
	Information Physics and Computing Seminar I, II	2 each		
	Research Project on System Informatics I, II	6 each		
	<i>or</i>			
	Information and Communication Engineering Master Course Seminar I, II	2 each		
	Research Project on Information and Communication Engineering I, II	5 each		
	<i>or</i>			
	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		
	<i>or</i>			
	Creative Informatics Master Seminar	2		
	Creative Informatics Master Practice	2		
	Creative Informatics Master Project Research	10		
Practical English	1			
<i>or</i>				
Computer Science Seminar (Doctoral Course) I, II, III	2 each			
Special Lectures in Computer Science (Doctoral Course) I, II, III	4 each			
<i>or</i>				
Advanced Colloquium on Mathematical Informatics I, II, III	1 each			
Advanced Research Project on Mathematical Informatics I, II, III	4 each			
<i>or</i>				
Advanced Research Project on System Informatics I, II, III	4 each			
<i>or</i>				
Advanced Research Project on Information and Communication Engineering I, II, III	4 each			
<i>or</i>				
Doctoral Dissertation Research and Preparation in Mechano-Informatics I, II, III	4 each			
<i>or</i>				
Creative Informatics Doctoral Seminar	2			
Creative Informatics Doctoral Project Research	12			
Special Practical English	1			

B (Basic)	Academic Writing in English	2	Selective Mandatory for Master Students	Master students must obtain at least 14 credits from B~D
	Modern Information Theory	2		
	Special Topics in Brain Science I	2		
	Special Topics in Brain Science II	2		
	Introduction to Neurointelligence	2		
	Advanced Core in Linear Algebra	2		
	Advanced Core in Analysis	2		
	Advanced Core in Probability	2		
	Advanced Core in Algorithm Design	2		
	Course Offered by JLCSE ※	1~10		
C (Core)	DNA Information Analysis	2	Selective Mandatory	Master students must take at least 8 credits, doctoral students must take at least 2 credits from C~D
	Introduction to Near-Term Quantum Computation	2		
	Advanced Statistical Modeling	2		
	Approximation and Online Algorithms with Applications	2		
	Network Optimizations	2		
	Advanced Computer Vision	2		
	Advanced Custom Computing	2		
	Remote Sensing Image Analysis	2		
	Applied Natural Language Processing	2		
	Trustworthiness Assurance for Data-Driven AI Software Systems	2		
	Quantum information and quantum computation	2		
	Fundamentals and Research Challenges in Wireless Networks	2		
	Special Lecture on Computer Science III (Efficient Search Methods in Artificial Intelligence)	2		
	Stochastic Methods in Mathematical Informatics	2		
	Discrete Methods in Mathematical Informatics	2		
	Special Lectures in Mathematical Informatics III	2		
	Advanced Signal Processing	2		
	Measurement, Control and Systems	2		
	System Control Theory	2		
	Advanced Virtual Reality	2		
	Advanced Neural Engineering	2		
	Advanced Theory of Inverse Problems	2		
	Practice Theory of Cyber Security	2		
	Parallel and Distributed Programming	2		
	Data Platform Engineering	2		
	Internet Architecture	2		
	IoT System Engineering	2		
	Advanced Information Security	2		
	Visual Media	2		
	Digital Image Processing	2		
	Computational Fabrication	2		
	Mechanisms of Intelligence	2		
	Intelligent Informatics	2		
	Architecture of Intelligent Machinery	2		
	Robotics	2		
	Mixed Reality	2		
	Human Machine Informatics	2		
	Neuroethology	2		
	Internet Architecture	2		
	Creative Informatics Special Lecture II	2		
Music and Speech Signal Processing	2			
Intelligent Informatics	2			
Discrete Methods in Mathematical Informatics	2			
Parallel and Distributed Programming	2			
Applied Computer Graphics	2			

	Transportation Informatics	2		
	Multimodal Intelligent System Design	2		
	Special Lecture in Information Science and Technology IV E (Probabilistic Generative Models Applied to Musical Audio Data)	2		
	Special Lecture in Information Science and Technology VI E	2		
	Software Cloud Development Project Practice IV	2		
	Advanced Robotics and Virtual Reality Systems	2		
D (Application)	Interdisciplinary Lecture in Scientific Computing	2	Selective Mandatory for Master Students	Master students must obtain at least 14 credits from B~D
	Non-Research Tips for Information Science Researchers	2		
	Special Topics in Mechano-Informatics	2		
	Special Topics in Mechano-Informatics II	2		
	Mechano-Informatics Laboratory	2		
	Exercises in Mechano-Informatics	2		
	Special Lecture in Information Science and Technology II E (International Research Internship)	2		
	Internship I	1		
	Internship II	2		

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 2026 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 2026

<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.