

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

Attached Table: Courses offered at academic year 2024

| 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> | | | | |

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|-----------|---|--------|--|--|
| | 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 | 2 | Selective Mandatory for Master Students | Master students must obtain at least 14 credits from B~D |
| | Special Topics in Brain Science I | 2 | | |
| | Special Topics in Brain Science II | 2 | | |
| | Special Topics in Mechano- Informatics II | 2 | | |
| | Exercises in Mechano-Informatics | 2 | | |
| | Non-Research Tips for Information Science Researchers | 2 | | |
| | Course Offered by JLCSE ※ | 1~10 | | |
| C (Core) | Advanced Algorithms | 2 | Selective Mandatory | Master students must take at least 8 credits, doctoral students must take at least 2 credits from C~D |
| | Trustworthiness Assurance for Data-Driven AI Software Systems | 2 | | |
| | Introduction to Near-Term Quantum Computation | 2 | | |
| | Approximation and Online Algorithms with Applications | 2 | | |
| | Network Optimizations | 2 | | |
| | Advanced Custom Computing | 2 | | |
| | Remote Sensing Image Analysis | 2 | | |
| | Special Lecture on Computer Science | 2 | | |
| | III (Efficient Search Methods in Artificial Intelligence) | | | |
| | Discrete Methods in Mathematical Informatics | 2 | | |
| | Introduction to Neurointelligence | 2 | | |
| | Advanced Theory of Inverse Problems | 2 | | |
| | Parallel and Distributed Programming | 2 | | |
| | Internet Architecture | 2 | | |
| | Visual Media | 2 | | |
| | Applied Computer Graphics | 2 | | |
| | Multimodal Intelligent System | 2 | | |

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|--------------------|---|---|--|--|
| | Design Special Lecture in Information Science and Technology IV (Probabilistic Generative Models Applied to Musical Audio Data) | 2 | | |
| | Special Lecture in Information Science and Technology VI (Advanced Data Structure) | 2 | | |
| D (Application) | Technical and Scientific Computing I | 2 | Selective Mandatory for Master Students | Master students must obtain at least 14 credits from B~D |
| | Technical and Scientific Computing II | 2 | | |
| | Special Lecture in Information Science and Technology II (International Online Research Internship) | 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 2024 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 2024

https://www.jlcse.t.u-tokyo.ac.jp/en/programs/about/schedule_curriculum/

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.