

IIST Course List

as of April 2026

| Semester                                       | Level                           | Course   | Area                                  |
|--|---------------------------------|--|---------------------------------------|
| Spring (2026)                                  | Graduate School                 | Advanced Molecular Spectroscopy  | Applied Chemistry                     |
|  |                                 | Advanced Solid State Spectroscopy  | Applied Chemistry                     |
|  |                                 | Advanced Inorganic Reaction Chemistry  | Applied Chemistry                     |
|  |                                 | Advanced Polymer Design  | Applied Chemistry                     |
|  |                                 | Conference presentation in Applied Chemistry   | Applied Chemistry                     |
|  |                                 | Discrete Algorithms ( I )  | Applied Informatics                   |
|  |                                 | Theoretical Computer Science 1   | Applied Informatics                   |
|  |                                 | Distributed System ( I )   | Applied Informatics                   |
|  |                                 | Wireless Network ( I )   | Applied Informatics                   |
|  |                                 | Signal Processing ( I ):Coding and Information Theory  | Applied Informatics                   |
|  |                                 | Intelligent information processing ( I )   | Applied Informatics                   |
|  |                                 | Optimization System (I)  | Applied Informatics                   |
|  |                                 | Applied Signal Processing  | Applied Informatics                   |
|  |                                 | Innovation of Internet   | Applied Informatics                   |
|  |                                 | Advanced Computer Architecture   | Computer and Information Sciences     |
|  |                                 | Global CIS Special Lecture 3:Pattern recognition and machine intelligence  | Computer and Information Sciences     |
|  |                                 | Global CIS Special Lecture 4:Image processing and recognition  | Computer and Information Sciences     |
|  |                                 | Special Lecture for Computer and Information Sciences 4 (Intelligent Media Processing)                                     | Computer and Information Sciences     |
|  |                                 | Object Oriented Web Programming  | Computer and Information Sciences     |
|  |                                 | Circuit Engineering ( I )  | Electrical and Electronic Engineering |
|  |                                 | Electromagnetic-Wave Communications ( I )  | Electrical and Electronic Engineering |
|  |                                 | *Japanese ONLY for 2026  |                                       |
|  |                                 | Electromagnetic-Wave Transmission Engineering ( I )  | Electrical and Electronic Engineering |
|  |                                 | *Japanese ONLY for 2026  |                                       |
|  |                                 | Advanced Lecture on Numerical Analysis of Electromagnetic Fields   | Electrical and Electronic Engineering |
|  |                                 | *Japanese ONLY for 2026  |                                       |
|  |                                 | Solid State Physical Electronics ( I )   | Electrical and Electronic Engineering |
|  |                                 | Intelligent System Technology  | Electrical and Electronic Engineering |
|  |                                 | Nano-Micro System Engineering  | Electrical and Electronic Engineering |
|  |                                 | Advanced Clinical Plant Science  | Frontier Bioscience                   |
|  |                                 | Molecular Plant Immunology   | Frontier Bioscience                   |
|  |                                 | Clinical Plant Science Seminar 1   | Frontier Bioscience                   |
|  |                                 | IIST Special Lecture 4 (Machine Learning)  | IIST                                  |
|  |                                 | IIST Special Lecture 2 Cyber Security)   | IIST                                  |
|  |                                 | Special Lecture on Advanced Integrated Science and Technology 2 (Info-Telecommunication and International Standardization) | IIST                                  |
|  |                                 | Technical Writing Workshop 2   | IIST                                  |
|  |                                 | Technical Presentation Workshop 2  | IIST                                  |
|  |                                 | Introductory Japanese Communication in Spring  | Japanese Language Class               |
|  |                                 | Elementary Japanese Communication in Spring  | Japanese Language Class               |
|  |                                 | Pre-Intermediate Japanese Communication in Spring  | Japanese Language Class               |
|  |                                 | Intelligence Acquisition   | Systems Engineering and Science       |
|  |                                 | Stochastic Process 1   | Systems Engineering and Science       |
|  |                                 | Numerical Calculation Methods  | Systems Engineering and Science       |
| Operations Research 1                          | Systems Engineering and Science |  |                                       |
| Theory of Financial Derivatives                | Systems Engineering and Science |  |                                       |
| Manufacturing Information Processing           | Systems Engineering and Science |  |                                       |
| Reliability Engineering                        | Systems Engineering and Science |  |                                       |
| Coding Theory 2                                | Systems Engineering and Science |  |                                       |
| Fall (2026)                                    | Graduate School                 | Advanced Ceramic Materials   | Applied Chemistry                     |
|  |                                 | Separation Engineering for Chemical Process  | Applied Chemistry                     |
|  |                                 | Communications Network ( II )  | Applied Informatics                   |
|  |                                 | Signal Processing ( II ):Digital Image and Video Processing  | Applied Informatics                   |
|  |                                 | Intelligent Information Processing ( II )  | Applied Informatics                   |
|  |                                 | Neural Information Processing ( II )   | Applied Informatics                   |
|  |                                 | Efficient Processing of Deep Learning  | Applied Informatics                   |
|  |                                 | Software Process and Quality Assurance   | Computer and Information Sciences     |
|  |                                 | Advanced Networking and Computing  | Computer and Information Sciences     |
|  |                                 | Generative AI with Large Language Models   | Computer and Information Sciences     |
|  |                                 | Software Architecture for Enterprise Systems   | Computer and Information Sciences     |
|  |                                 | Advanced AI  | Computer and Information Sciences     |
|  |                                 | Global CIS Special Lecture 1: Practical machine learning   | Computer and Information Sciences     |
|  |                                 | Global CIS Special Lecture 2:Intelligent computing and its applications  | Computer and Information Sciences     |
|  |                                 | Theory and Applications of Neural Networks   | Computer and Information Sciences     |
|  |                                 | Web System Development   | Computer and Information Sciences     |
|  |                                 | Writing and Presentation for Thesis  | Computer and Information Sciences     |
|  |                                 | CIS Global Seminar   | Computer and Information Sciences     |
|  |                                 | Circuit Engineering ( II )   | Electrical and Electronic Engineering |
|  |                                 | Solid State Physical Electronics ( II )  | Electrical and Electronic Engineering |
|  |                                 | Intelligent control  | Electrical and Electronic Engineering |
|  |                                 | Advanced Artificial Intelligence Circuit   | Electrical and Electronic Engineering |
|  |                                 | Information and Communications   | Electrical and Electronic Engineering |
|  |                                 | Advanced Organic Synthesis   | Frontier Bioscience                   |
|  |                                 | Topics on Chemical Reaction Engineering  | Frontier Bioscience                   |
|  |                                 | Molecular Engineering of Environmental Water   | Frontier Bioscience                   |
|  |                                 | General Plant Medicine   | Frontier Bioscience                   |
|  |                                 | Bioassimilation  | Frontier Bioscience                   |
|  |                                 | IIST Special Lecture 3 (Blockchain Technology and Applications)  | IIST                                  |
|  |                                 | Introduction to Bioinformatics   | IIST                                  |
|  |                                 | IIST Special Lecture 1 (Next Generation Internet)  | IIST                                  |
|  |                                 | Cryptography and its Applications  | IIST                                  |
|  |                                 | Special Lecture on Advanced Integrated Science and Technology 1 (Smart Grid Communications)                                | IIST                                  |
|  |                                 | Technical Writing Workshop 1   | IIST                                  |
|  |                                 | Technical Presentation Workshop 1  | IIST                                  |
|  |                                 | IIST Seminar   | IIST                                  |
|  |                                 | Introductory Japanese Communication in Fall  | Japanese Language Class               |
|  |                                 | Elementary Japanese Communication in Fall  | Japanese Language Class               |
|  |                                 | Pre-Intermediate Japanese Communication in Fall  | Japanese Language Class               |
|  |                                 | Applied Logic and Mathematical Linguistics 1   | Systems Engineering and Science       |
|  |                                 | Sensor Signal Processing   | Systems Engineering and Science       |
|  |                                 | Selected Topics from Functional Analysis 2   | Systems Engineering and Science       |
|  |                                 | Stochastic Process 2   | Systems Engineering and Science       |
| Optimization Theory and Finance                | Systems Engineering and Science |  |                                       |
| Special lecture on Advanced Management Science | Systems Engineering and Science |  |                                       |
| Applied Economic Analysis                      | Systems Engineering and Science |  |                                       |
| Advanced Optimization Algorithms               | Systems Engineering and Science |  |                                       |
| Discrete Optimization 1                        | Systems Engineering and Science |  |                                       |