Graduate School of Computer Science and Systems Engineering Enrollment Guidebook

CSSE
Kyutech

Kyushu Institute of Technology

Kyutech
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Overview of Graduate School of Computer Science and Systems Engineering

Graduate School of Computer Science and Systems Engineering

CSSE Kyutech

By bringing advanced information engineering together with knowledge and technology from several different specializations, the Graduate School of Computer Science and Systems Engineering aims to produce information engineering technicians and researchers who can discover and solve problems affecting people and industry, helping create a new and better world.

Graduate School of Computer Science and Systems Engineering | **Department of Creative Informatics**

01 Department of Creative Informatics of Master's Program

Driven by the latest information technology, this program gives students the knowledge and skills needed to solve various problems affecting people and industry. It promotes collaborations between industry, academia and corporations designed to meet the needs of the public, while giving students the ability to shape the world using information technology.

02 Department of Creative Informatics of Doctoral Program

In addition to the training and abilities provided by the master's program, this program provides the training needed to handle all areas of cutting-edge information engineering. Students learn how to independently build advanced, innovative information systems. The program produces leaders for the information age who can guide the discovery and solution of problems affecting people and industry, and can meet the needs of industry, academia and corporations.

Education and research objectives

01 Department of Creative Informatics of Master's Program

Using the latest information technology as the key to finding solutions to the problems that beset a changing world, this program provides the knowledge needed to devise solutions to various problems affecting industry. It promotes collaborations between industry and academia designed to meet the needs of the public, and produces graduates able to shape the world using information technology.

02 Department of Creative Informatics of Doctoral Program

This program produces graduates who can assist the growth of information technology while serving as global leaders in the information age. Aiming to develop cutting-edge basic technologies driven by advanced information engineering expertise, students build innovative information systems that tackle new problems arising in the boundary regions between various disciplines.

Overview

Diplomatic Policy (DP)

In various industries are advanced informatic society, having latest information techniques and deep knowledge in your specialty as your impelling force, we bring up information technology experts who have both motivation and ability to drive network society.

Curricular Policy (CP)

We implement both educational program which correspond to each specialty and basic education and research guidance in each laboratory. Also, we place Advisory Boards on the curriculum to bring up information technology experts to drive network society. In addition, we lead students to have consciousness designing their own careers.
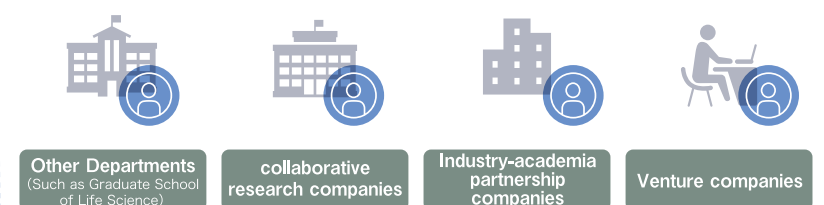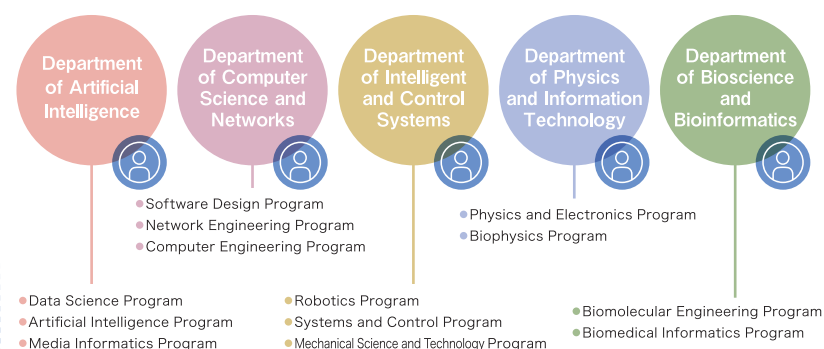
Admission Policy (AP)

As a professional in Computer Science and Systems Engineering, having necessary knowledge to realize social contribution as well as expanding your own ability by cooperating with others, we require highly motivated person to challenge various problems in advanced informatic society.

Guidance System

Research Field

- Department of Artificial Intelligence
- Department of Computer Science and Networks
- Department of Intelligent and Control Systems
- Department of Physics and Information Technology
- Department of Bioscience and Bioinformatics

- Software Design Program
- Network Engineering Program
- Computer Engineering Program
- Physics and Electronics Program
- Biophysics Program

- Data Science Program
- Artificial Intelligence Program
- Media Informatics Program
- Robotics Program
- Systems and Control Program
- Mechanical Science and Technology Program
- Biomolecular Engineering Program
- Biomedical Informatics Program

Research guidance across field

- Other Departments (Such as Graduate School of Life Science)
- collaborative research companies
- Industry-academia partnership companies
- Venture companies

The specializations below enable graduate school faculty supervisors to use the latest information technology to take part in research and development projects that foster practical R&D work addressing real-world needs, hone problem-solving abilities, and promote adaptability to collaborative work.

Departments	Description
Department of Artificial Intelligence	Artificial Intelligence is a specialization that aims to create intelligent information systems that go beyond mere human-devised operation by actually assisting human thinking. Through media such as words, sound and video, this specialization aims to create new information technologies enabling human-machine collaborations exhibiting behaviors that simulate human thought processes or produce results that no human could anticipate. To achieve these aims, Intelligent Information provides research courses in three specializations in addition to computer science research: (1) Data Science discovers and creates rules and knowledge from big data analysis and other large volumes of data. (2) Artificial Intelligence covers areas ranging from artificial intelligence basics to applications. (3) Media Informatics covers media awareness, understanding and representations.
Department of Computer Science and Networks	The rapidly increased use of advanced ICT (Information and Communication Technology), designed to enable information-based interconnection and collaboration among people and/or things has become an indispensable part of the modern world. The specialization of the "Computer Science and Networks" is to foster this further growth of a next-generation smart world by producing advanced ICT graduates who have already mastered hardware and software computer technologies as well as information and communication technologies. Three courses are provided to achieve this goal: (1) The Software Design course offers the study of various information systems based on security, cloud and embedded system technologies. (2) The Information and Communication Networks course covers wired and wireless technologies and communication and network technology for computer and mobile networks. (3) The Computer Engineering course is focused on the design and development of LSIs (Large-Scale Integrated circuits) that form the core of computers, along with the systems that use them. Graduates will gain an in-depth understanding of computers and communications that is inevitably linked to careers as ICT professionals who need to know how to design, develop and operate comprehensive information systems.
Department of Intelligent and Control Systems	This specialization aims to produce graduates who can build intelligent systems that bring information engineering together with robotics, control systems technology and mechanical engineering. These intelligent systems are designed to address various issues of public concern by creating new systems that bring people into the future. Three courses are provided to achieve this aim: (1) Robotics provides integrated and comprehensive coverage of advanced applied robotics technology and fundamental ICT technology. (2) Control Systems cover all areas of control systems ranging from theory to application in areas demanding high performance and quality. (3) Advanced Machinery covers advanced mechanical and information engineering rooted in microtechnology, nanotechnology and 3D design.
Department of Physics and Information Technology	Advances in information engineering have provided major gains in both industry and consumer convenience. However, making the world a more convenient and comfortable place involves a wide range of engineering challenges. Physics and Information Technology is a specialization that aims to solve these challenges through education and study that bring natural sciences exploring the universal laws of the natural world together with information engineering in the form of information and system technologies. It focuses on producing engineers who can do pioneering research in integrated areas tied to technology innovation. This specialization provides two courses to achieve this aim: (1) The Physics and Electronics Course draws on physics, electronic engineering and information engineering to generate new technologies assisting the ongoing sustainable growth of the information age. (2) The Biophysics Course draws on physics, biology and information engineering to generate new cross-disciplinary technologies. After completing the master's program, graduates not advancing to the doctoral program are most likely to find careers as innovation-producing engineers in various fields such as telecommunications, general electric machinery, environment and energy, vehicles, precision instruments, nanotechnology, materials, acoustics, medicine, dentistry, pharmaceuticals, food and cosmetics.
Department of Bioscience and Bioinformatics	This specialization aims to produce graduates who can create a wide range of new industrial sectors related to human and other life by bringing information engineering knowledge and technology together with a wide range of areas related to the biological sciences such as medicine, pharmaceuticals, food and beverages, chemistry, the environment and biomaterials. Graduates are most likely to find careers at companies or research organizations in the biological sciences, working as engineers or researchers assisting the health and longevity infrastructure of the future while creating new industries. Bioscience and Bioinformatics provides two courses to achieve this aim: the Molecular Biotechnology Course and the Medical Biotechnology Course. Molecular Biotechnology Course Consists of research and development work on subjects in biology and organic chemistry ranging from the human body, brain and organs, to cells and biopolymers. Also includes research and development work oriented toward engineering applications in biotechnology and other areas of the biological sciences. The coursework is primarily related to these research and development areas. Medical Biotechnology Course Consists of research and development work on cutting-edge systems designed to draw on knowledge from the life sciences, organic chemistry and organic engineering to enable advanced applications in areas such as medicine and drug discovery. Also includes interdisciplinary research and development work in areas such as bioinformatics, chemoinformatics, genomics and system biology. The coursework is primarily related to these research and development areas.

■ Department of Creative Informatics of Master's Program

Basic Subjects	Computer Science and Systems Engineering Course (Mathematics, Data Science, AI)	6 credits
Specialized Subjects	Deepening Specialty Program choose 1 among 13 course	11 credits (Including 1 Practical subject)
	Global Education Program "Seminar" and "Experiment and Exercise"	4 credits
	"Teaching-Oriented Exercise"	2 credits
	Advanced English, Advanced Global Education and International Cooperation Practices for Graduate school	4 credits
	Social Network Program choose 1 among 13 course	6 credits
Completion Requirements	credit	33 credits and over
	judgement	Master's thesis

■ Department of Creative Informatics of Doctoral Program

Basic Subjects	Computer Science and Systems Engineering Course (Mathematics, Data Science, AI)	2 credits
Specialized Subjects	Global Education Program "Special Seminer" and "Special Experimental and Exercise"	4 credits
	Others	2 credits
	Subspecialty Subjects	2 credits
Completion Requirements	credit	10 credits and over
	judgement	Doctoral thesis

■ Innovative AI/Robotics Technologies (iART)

Course summary : This program, we will develop autonomous robot that utilize robotics and AI to creatively improve the productivity and efficiency of robots, create technologies to solve problems faced by local entrepreneurs. Collaborating with Japanese students, International students and local companies on innovative robotics/AI technology (iART) research will contribute to the prosperity of local industries and we will develop people who can lead iART in their home country and region.

Innovative AI/Robotics Technologies (iART)

Description

This is a special course for International students, and the lectures are given in English. For Japanese students who want to join the course, please consult with your academic advisor first. After that, please submit a SEIC Application Form to Graduate School Section during the designated period after you enrolled in Kyutech.

Program List

Deepening Specialty Program

The Intensive Specialization Program offers 13 courses. Each course is either a specialization within the discipline of information engineering, or a discipline combining information engineering with other disciplines. These 13 courses correspond to the 13 courses offered by the five departments of the Graduate School of Computer Science and Systems Engineering (the parent organization).

Courses	Description
1 Data Science Course	Students draw on resources such as mathematical statistics and artificial intelligence to develop methods of extracting rules or knowledge from various types of data. They learn how to make these rules or knowledge more efficient, accurate and generalizable, and acquire the advanced expertise and skills needed to comprehensively incorporate them into data science.
2 Artificial Intelligence Course	Students aim to develop information processing systems that can understand human intentions, assist human thought processes and dialog with humans. Students acquire knowledge in fundamental areas such as problem-solving, searches, knowledge representation, planning, inference and natural language processing, along with the advanced expertise and skills in areas such as learning and logic programs.
3 Media Informatics Course	Students acquire the knowledge and techniques needed to process various types of media such as sound, images and video. They also acquire the advanced expertise and skills needed to develop information processing systems that include technology for applications such as advanced user interfaces, computer graphics or computer vision driven by media recognition, media comprehension, VR (virtual reality) or AR (augmented reality).
4 Software Design Course	Students acquire the advanced expertise and skills needed to develop enterprise information systems for various business sectors, along with the mission-critical systems that assist them, or software tied directly to embedded systems or other hardware.
5 Network Engineering Course	Students study information networks and distributed systems used for various types of wired or wireless communications, learning the techniques needed to design, implement, control, and analyze their layered model (In models dividing communication functions into layered structures). Students acquire the advanced expertise and skills about information and communication equipment, communication systems, network infrastructure, and comprehensive information systems, ranging from design to development and operation.
6 Computer Engineering Course	After gaining an in-depth understanding of computer operating principles, students study the design and development of LSIs (the core component of computers). They acquire the advanced expertise and skills needed to develop efficient computer-based problem-solving methods, and to design and develop LSI applications in the form of embedded devices and computer systems.
7 Robotics Course	Students comprehensively learn about robotics, develop the ability to integrate and incorporate each element into basic ICT technology, and acquire the advanced expertise and skills to connect to the application of robotics in various fields.
8 Systems and Control Course	Students acquire the knowledge and techniques of control engineering and information engineering. They acquire the advanced expertise and skills related to control system design and development for systems demanding high performance and quality in sectors such as robotics, mechatronics, vehicles, electrical machinery, electric power, biological systems, transportation systems, medicine, welfare, energy and the environment.
9 Mechanical Science and Technology Course	Students acquire the advanced expertise and skills needed to design and build advanced next-generation mechanical systems that combine information engineering and mechanical engineering.
10 Physics and Electronics Course	To create new technologies using physics, physics and electronics engineering and information engineering, students acquire the advanced expertise and skills in the disciplines of physics, physics and electronics engineering, nanotechnology, measurement technology and information engineering. The focus is on research areas such as superconductors, semiconductors and other electronics materials, optical and laser systems, and electromagnetic fluid dynamics.
11 Biophysics Course	Soft matter includes matter such as biomolecules (e.g., proteins, DNA), polymers, liquid crystals and biomembranes. To understand and apply soft matter and the organisms and biological phenomena composed of it, students acquire the advanced expertise and skills related to system design driven by biology, physics, measurement and imaging technology and mathematical models.
12 Biomolecular Engineering Course	To build information or testing systems designed for engineering applications in the biological sciences, students acquire the advanced expertise and skills needed to build biology, biotechnology or information systems for use on everything from the human body, brain and organs, to cells and biopolymers.
13 Biomedical Informatics Course	To create new industries by building systems designed for life science or medical applications, students acquire knowledge and experimental techniques related to bioinformatics, genomic science, system biology and medical systems. They also acquire the advanced expertise and skills related to information processing.

Social Network Program
(Subspecialty subjects for Doctoral Program)

The Real World Application Program offers 13 courses tied to industrial sectors such as rapidly changing industries. Each course provides students with the overview needed for activities such as system development, while letting them work with industry representatives to acquire the practical knowledge and skills used on sites where academic disciplines are applied in the real world.

Courses	Description
1 AI Applications Course	Deep learning and other machine learning and data science technologies can provide effective solutions to various issues of public concern. By providing actual examples of real-world applications, this course produces AI engineers able to make free use of AI technology to create concrete solutions to issues of public concern.
2 Finance and Logistics Course	Transactions in sectors such as finance and logistics require information technology that guarantees reliability by preventing data tampering, ensuring traceability and the like. This course covers digital transformation issues in finance and logistics, producing information engineers who can use blockchains and related technologies.
3 Software Development Process Course	Development failures continually arise when developing software designed to solve various issues of public concern. This course covers all of the software development processes while looking at concrete problem examples. It produces software designers and developers with the PSP (Personal Software Process) or TSP (Team Software Process) certification.
4 Image Recognition Course	Self-driving vehicles, autonomous robots and other next-generation intelligent information processing systems require automatic recognition technology. This course teaches students about the basic technologies used to assist this technology, focusing on image processing and recognition technologies for camera sensors.
5 Robotics Synthesis Course	Analysis-based methods attempt to understand the whole by breaking it down into parts to explicate existing artifacts and nature, and determine the laws governing each. In contrast, synthesis-based methods approach the subject as an amalgamation of parts. This course covers examples of robotics technology and looks at their real-world applications by providing an overview of synthesis-based methods in collaboration with areas such as other engineering disciplines.
6 Computer-Aided Engineering Course	Providing the machinery that underpins the modern world requires an overall understanding of its mechanical behavior along with an understanding of systems as a whole. To achieve this aim, this course covers the technology needed for real-world applications of computational mechanics for students seeking certifications from the Japan Society of Mechanical Engineers.
7 Large-Scale Computational Science: Fundamentals and Practice Course	Simulation technology is a key tool for predicting issues of public concern and anticipating how they will take shape in future. This course provides a wide range of knowledge and skills related to real-world applications of simulation technology. It gives students a cross-disciplinary overview of the subject.
8 Entrepreneurship Course	A clear overview is a key requirement when providing real-world applications. Designers need to look beyond the designed service or system from the user's perspective, such as by redefining a problem or devising a design so that a hypothesis can be formulated and a strategy or alternative measure proposed. This course provides the knowledge and skills needed to develop an entrepreneurial mindset and start a business.
9 ICT Education Specialists Course	Students acquire the knowledge and skills needed to assist information education and help provide information infrastructure for primary, secondary and continuing education programs. The course helps students become certified as an Information Education Assistant (a Kyutech certification).
10 Life Science and Systems Engineering Course	This course is designed to give students an overview of the subject matter through study of other engineering disciplines not taught in the Graduate School of Computer Science and Systems Engineering. The focus is on engineering disciplines that study living organisms, and how organisms themselves can be research subjects.
11 International Joint lecture of informatic engineering	A course that covers a wide range of cutting-edge engineering disciplines, with several different lectures and seminars given in English in collaboration with an overseas university. The course is designed to give students a global mindset and advanced communication skills.
12 Demand Emergence Course	A course that provides students with a venue for making practical use of the knowledge and skills needed for the processes done to work on solutions to issues of concern to industry and the general public. These processes include everything from identifying a problem, to discovering a solution by creating and stimulating demand, and then implementing the solution. Students study the processes used to discover and solve problems, and do everything up to prototyping and final delivery.
13 Microelectronic Technology Practice Course	A comprehensive course on semiconductor devices, integrated circuits, sensor microelectromechanical systems (MEMS) and other examples of the microelectronic technology that underpins the infrastructure of the modern world. The course includes hands-on training in integrated circuit prototyping in the clean room of the Center for Microelectronic Systems (CMS).

Global Education Program

The GE Program teaches subjects such as globally liberal arts courses as a way to give students the skills needed by a global workforce.

Practical subjects	Description
Seminar・Special Seminar Experiment and Exercise・Special Experiment and Exercise	The research/special research module provides a hands-on venue that lets students give in-person presentations of cutting-edge research results, report the progress of their own research projects and stimulate discussions with participants to improve information-gathering, analysis, presentation and communication skills. The experimental seminar/special experimental seminar module consists of coursework covering all of the research activities needed to write a dissertation with guidance and advice from an academic supervisor.
Advanced English and Advanced Global Liberal Arts	The advanced language module consists of lectures designed to improve English comprehension through fine-tuned instruction in classes of small size. The advanced global education module consists of lectures designed to improve literacy in ethics, intellectual property and other areas essential for the information age.
Advanced International Collaborative Learning	Before completing their program, Kyutech graduate students are encouraged to spend time overseas studying a language or working on a research project. The wide range of activities comprising this course includes exchanges with overseas partner universities, collaborative work with international students, and experience in presenting at international conferences.
Teaching-Oriented Exercise	A seminar that lets graduate students draw on their own knowledge and experience to provide guidance to undergraduates. The areas covered include activities to help undergraduates with their senior thesis, and helping develop lecture-specific teaching materials needed to acquire various types of specialized knowledge.

Curriculum

Global Education Program

Master's Program

10 credits:
- ● "Seminar" and "Experiment and Exercise"
- ● Advanced English, Advanced Global Education
- ● "Teaching-Oriented Exercise" and International Cooperation Practices for Graduate school

Doctoral Program

6 credits:
- ● "Special Seminar" and "Special Experiment and Exercise"

Deepening Specialty Program

(Choose 1 among 13 courses and acquire 11 credits including Practical subjects.)

Artificial Intelligence

Data Science Course/
Artificial Intelligence Course/
Media Informatics Course

- ● Compressed Data Processing
- ● Advanced Discrete Algorithms
- ● Advanced Image Analysis
- ● Advanced Statistical Machine Learning
- ● Introduction to Topological Data Analysis
- ● Search Algorithms
- ● Advanced Course in Artificial Intelligence
- ● Advanced Natural Language Processing
- ● Algorithm Expression
- ● Knowledge and Thinking Process Modeling
- ● Advanced Course in Computational Photography
- ● Virtual Reality
- ● Advanced Image Recognition
- ● Advanced Multimedia Engineering
- ● Advanced Computer Animation
- ● Enriched Multi-Media
- ● Exercises on Artificial Intelligence
- ● Stochastic optimization theory

Computer Science and Networks

Software Design Course/
Network Engineering Course/
Computer Engineering Course

- ● Project Management
- ● Modeling practices for business, people, and society
- ● Software Architecture
- ● Functional Programming
- ● Programming Languages and Systems
- ● Cloud Computing
- ● Digital Communication System
- ● Wireless mobile network
- ● Network Design
- ● Advanced Network Management
- ● Advanced Hardware / Software Co-Design
- ● Dependable systems
- ● Backend Phase of LSI Design
- ● High Reliability Design
- ● Embedded system design
- ● Optical Signal Processing
- ● Soft Computing
- ● Project Exercises on Computer Science and Network
- ● Dependable AI Accelerator Hardware in Autonomous Systems
- ● System-LSI Design
- ● Advanced Course on Microelectronic Systems

Intelligent and Control Systems

Robotics Course/
Systems and Control Course/
Mechanical Science and Technology Course

- ● Robotics : Exercises I
- ● Advanced Lecture on Robotics and Design Systems
- ● System Design
- ● Swarm Robotics
- ● Robot Sensor Processing
- ● Planning Algorithms for Intellectual Robots
- ● Intelligent Robot Control
- ● Digital Video Processing
- ● Advanced modern control theory
- ● Exercises in Control System Design
- ● Robustness and stability of dynamical systems
- ● Computer Aided Design of Control Systems
- ● Introduction to Robust Control Theory
- ● Nonlinear Systems
- ● Advanced Optimization Theory
- ● Applied Kinematics
- ● Advanced Energy Principles and Finite Element Methods
- ● Fluid Dynamics
- ● Advanced Machining Technology
- ● Tribology
- ● Advanced Practice I
- ● Micro Fluidics
- ● Micro Devices/Microsystems
- ● Advanced Course for Nano Micro Engineering
- ● Advanced Lecture on Mechatronics Systems
- ● Applied Optics in Nanoscale Measurement
- ● Mechanism and Kinematics
- ● Human Interface
- ● Computer Aided Engineering
- ● Advanced course on Biodevices
- ● Advanced Automotive Manufacturing Design Information Processing
- ● Information and Mechanics Advanced Practice

Physics and Information Technology

Physics and Electronics Course/
Biophysics Course

- ● Advanced Applied Superconductivity
- ● Advanced solid state physics by computational science
- ● Advanced magnetic recording technology
- ● Technology for Functional Materials
- ● Nanodevice Technology
- ● Advanced Organic Electronics
- ● Advanced Optical Physics
- ● Advanced Optics and Information Technology
- ● Theoretical Approach to Non-Linear Systems
- ● Advanced Information Physics
- ● Advanced Nano/Micro system engineering
- ● Advanced lecture in biological relationship between function and structure
- ● Bio. and Soft Matter Physics
- ● Computational Biomolecular Physics
- ● Chemical & Biomedical Engineering
- ● Quantitative Biology
- ● Advanced Course of Digital Image Processing
- ● Biophysical chemistry
- ● Systems Biology
- ● Bioinformatics

Bioscience and Bioinformatics

Biomolecular Engineering Course/
Biomedical Informatics Course

- ● Biochemistry
- ● Biophysical chemistry
- ● Molecular and cellular biology
- ● Genome Biology
- ● Electromagnetic Wave Applied Chemistry
- ● Microbiome Engineering
- ● System Neuroethology
- ● Computational Biomolecular Physics
- ● Advanced lecture in biological relationship between function and structure
- ● Brain Science
- ● Computational Genomics
- ● Systems Biology
- ● Bioinformatics and Biochemical Systems Engineering
- ● Biomolecular imaging
- ● Biomedical Engineering
- ● Chemical & Biomedical Engineering
- ● Pharmacoinformatics
- ● Quantitative Biology
- ● Medicinal Cheminformatics
- ● Cell signal transduction
- ● Bioinformatics

Social Network Program

Subspecialty subjects for Doctoral Program
(Choose 1 among 13 courses and acquire 6 credits)

AI Applications Course
(History and issues of Artificial Intelligence / Advanced Course in Big Data Processing)

Finance and Logistics Course
(Cryptography / financial security)

Software Development Process Course
(Personal Software Process)

Image Recognition Course
(Advanced Image Recognition / Digital Video Processing)

Robotics Synthesis Course
(Advanced Optimization Theory / Introduction to Robust Control Theory)

Computer-Aided Engineering Course
(Computational Mechanics / Computer Aided Engineering)

Large-Scale Computational Science: Fundamentals and Practice Course
(Parallel Computing)

Entrepreneurship Course
(Introduction to Entrepreneurship)

ICT Education Specialists Course
(Advanced Course in Learning Engineering / Specialist Practice for ICT Education)

Life Science and Systems Engineering Course
(Introduction to Human Intelligence Systems)

International Joint lecture of informatic engineering
(International Joint lecture of Informatic engineering)

Demand Emergence Course
(Advanced Practice)

Microelectronic Technology Practice Course
(System-LSI Design)

Computer Science and Systems Engineering Course

(Acquire 6 credits among Mathematics, Data science and AI subjects)

Introduction to Mathematical Cryptography
Foundations of Mathematics
Algebraic Combinatorics
Introduction to Physical Mathematics
Electromagnetics
Computational Security

Optimization Algorithms
Network analysis
Machine Learning Theory and Algorithm
Fundamentals of Digital Video Processing

Advanced statistical data analysis
Advanced Linear Algebra
Stochastic numerics
Advanced Course in Information Mathematics

Application Procedures for Admission to Graduate School of Computer Science and Systems Engineering of Kyutech

Application guidelines are available on the Kyutech website.

https://www.kyutech.ac.jp

1 Finding a potential supervisor

Search a potential supervisor who conducts research in a specific field you are interested in on the Kyutech website.

2 Contacting the potential supervisor

Contact the supervisor or the university admissions office by e-mail to discuss opportunities for you to participate in the laboratory. In your e-mail, please include your academic backgrounds and your research topics.

3 Arranging a meeting with the potential supervisor

Before applying for admission to Kyutech, please discuss fully with the supervisor to see if your research topics correspond to the supervisory competences. You can meet your potential supervisor at academic conferences or, in some cases, you may have an interview with the supervisor on the Internet.

4 Application procedure using the Internet

After checking the information necessary for applicants, such as the required qualification, application period, application procedure, selection process, and the date of examination, you should follow the procedure below to apply to the university.

Application procedure

1. Online registration
2. Pay the entrance examination fee （30,000JPY）
*Japanese Government Scholarship Students are exempted from paying the entrance examination fee
3. Prepare all required documents listed of the application guidelines and send by post or bring directly to the office

Application period and Online registration period

◆Online registration period
First Session（April Enrollment/ October Enrollment） Early May
Second Session（April Enrollment） Early January
＊The payment period of the examination fee is the same as above
＊The online registration period start one week before application period

◆Application period
First Session（April Enrollment/ October Enrollment） Late May
Second Session（April Enrollment） Late January

▼Please check the link below for the online registration and the flowchart of application procedure.

| Online registration website | https://www.kyutech.ac.jp/examination/gs-internet-application.html |

5 Taking the admission test

or

You need to take the admissions test at the Kyutech IIZUKA Campus or have an online interview.Please discuss with your prospective supervisor（cf. 2, 3）the best possible way to take the test.

6 Announcement of test results

The test results will be announced on the Kyutech website.

7 Admission procedure

Once you are accepted, you need to complete the admission procedure.

Admission procedure

Admission Fee: 282,000yen（Apart from this, you need to pay tuition fees of 535,800 yen per year.）
＊Japanese Government Scholarship Students do not need to pay the admission fee nor the tuition fees.
All or part of the admission fee and of the tuition fees can be waived upon application. However, application for fee exemptions may sometimes be disapproved due to your admissions test results, poor academic achievements and personal finance.

8 Applying for a visa

Before landing in Japan, you need to obtain a visa. The university admissions office will assist with your visa application.

9 Enrollment in Kyutech

After completing all the above procedures, you will be enrolled at Kyutech.

SR (Student Residence) is a shared dormitory for both international students and Japanese students, and it is a place for international exchange.

International House is an accommodation for international students and researchers.

	System	Eligible person	General outline
Acadmic fee waiver and deferment	Enrollment fee Waiver (Entrance fee)	Incoming Student	Students who have excellent academic records and difficulty in paying the enrollment fee due to financial reasons can receive the waiver of whole or half of it after the screening (based on their application).
	Enrollment fee Deferment (Entrance fee)	Incoming Student	The enrollment fee deferment is implemented for students who have excellent academic records but have difficulty in paying the enrollment fee due to the financial reasons after screening (based on their application). The payment deadline will be deferred for a certain period of time.
	Tuition fee Waiver	All grades	Students who have excellent academic records and difficulty in paying the tuition fee due to the financial reasons can receive a waiver of whole or half amount of it after the screening (based on their application).
Scholarship	JASSO (Japanese government honors scholarship)	Self-funded student	You are able to apply for this scholarship from your homeland before the enrollment to Kyutech. Students who fulfill the requirements can receive the grant as the following condition after the screening by Kyutech and JASSO. **Amount of grant** 48,000 JPY/month **Period** 12months for April enrollment / 6months for October enrollment
	Scholarship	Self-funded student	The following is a part of sholarship which was handled in Kyutech (circa 2021): ●KDDI scholarship ●Fukuoka Asia International students scholarship ●Rotary Yoneyama scholarhship ●T.Banerjee scholarship ●Kanazawa scholarship ●Nikki Saneyoshi scholarship
Travel expences for the conference, etc.	Finalcial support by Kyutech Educational programme	All grades	There are various educational programs supporting travel expences or educational material fees, etc. This assistance is supported by the Japanese government, local public organizations, and civilian businesses.
	Scholarship for International conference presentation	All grades	This scholarship supports a part of expenses for attending conferences abroad. You can apply up to 3 times while in Kyutech. **Amount of grant** 30,000 JPY up to 100,000 JPY (depends on the area)

	System	Eligible person	General outline
Employment	Japan Society For The Promotion Of Science Research Fellowship for Young Scientists (JSPS)	Doctoral Program students	JSPS is established for the purpose of contributing to the advancement of science in all fields. This scholarship supports the doctoral students dedicated to their research. **Amount of grant** 200,000 JPY / month
	Research Assistant _RA	Doctoral Program students	When you are employed as RA you will engage in some research project executed by Kyutech. You will receive the grant as a salary up to 60,000 JPY/ month (depends on working time) for up to 9 months. However, the MEXT scholarship students and those who conform to them are not eligible.
	Teaching Assistant _TA	All grades	When you are employed as TA you will engage in educational services at Kyutech and receive the grant as a salary.
	kyutech Research Fellowship	Doctoral Program students	This is a system that supports research concentration support money and research expenses so that students can independently set research topics and concentrate on research based on free ideas. **Investigation support fee** 150,000 JPY / month **Research expenses** 300,000 JPY / year
Accommodation	Student Residence _SR	All grades	SR is a shared dormitory. 1 unit consists of 3 private rooms for living with 2 Int'l students and 1 Japanese student. Each unit has a kitchen, shower room, toilet, refrigerator, washing machine, microwave, table and air conditioning. Bed, desk, closet, lighting and air-conditioning is equiped in each private room. This residential contract is one year in principle. (If your application is accepted, you may be able to extend your stay.) **Rent per month** 15,000 JPY (not including the cost of food or living) ※You may receive a half waiver of the rent depending on your application. **Utilities per month** 5,000 - 10,000 JPY
	International House	Internatinal students	This is an accommodation for International students and International researchers. Each room is furnished including a kitchen, refrigerator, and bed. It also has a training room, conversation lounge and washing room. **Rent per month** (not including the cost of food or living) ●Single room 5,900 JPY ●Couple room 9,500 JPY ●Family room 14,200 JPY **Utilities per month** 5,000 - 10,000 JPY

＊This is information as of 2021.

Campus map

Lecture/Research/Experimental facilities
1. Interdepartmental Education Building
2. Information Science Center
3. Business Incubation Center
4. Library
   Learning Commons
   Iizuka Science Gallery
5. Auditorium
6. Lecture Halls
   Manufacturing Wrokshop
7. Interactive Learning Studio,"MILAiS"
8. General Research Building
9. Departmental Research Building
   East Building
   West Building
10. Departmental Research Satellite 1
11. Machine Workshop
12. Center for Microelectronic System
13. Collaboration Space "Porto"
    Career Support Office

Administrative office and other facilities
21. Administration Building
    University Health Center
22. Welfare Facility
    University Co-op, ATM, Cafeteria
    Global Communication Lounge
23. Open Space "Learning Agora"
24. International House
25. Student Residence
    Staff Residence

Other facilities
31. Main Gate
32. Activities Hall
33. Baseball Ground
34. Multi-Purpose Field
35. Sports Equipment Storage
36. Swimming Pool
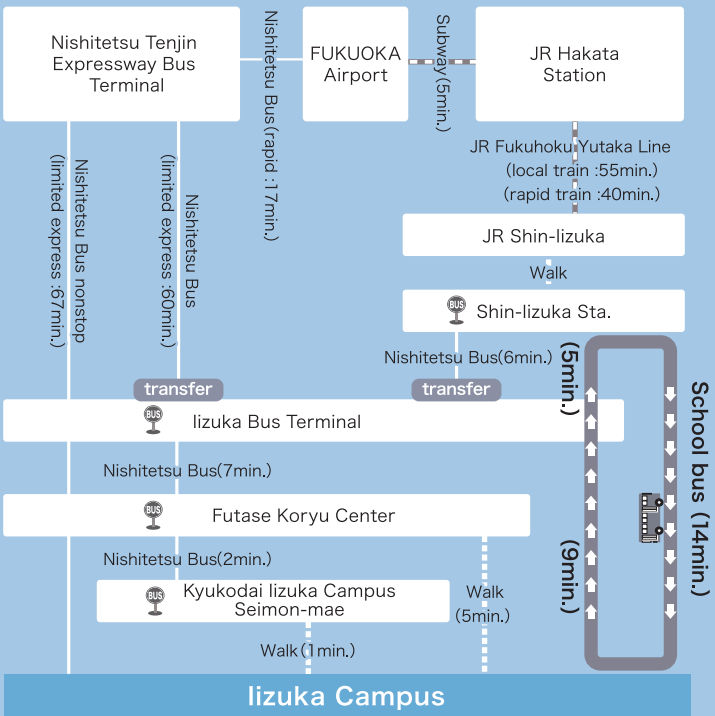37. Gymnasium
38. Tennis Courts
39. Tennis Equipment Storage

Access

Access Map
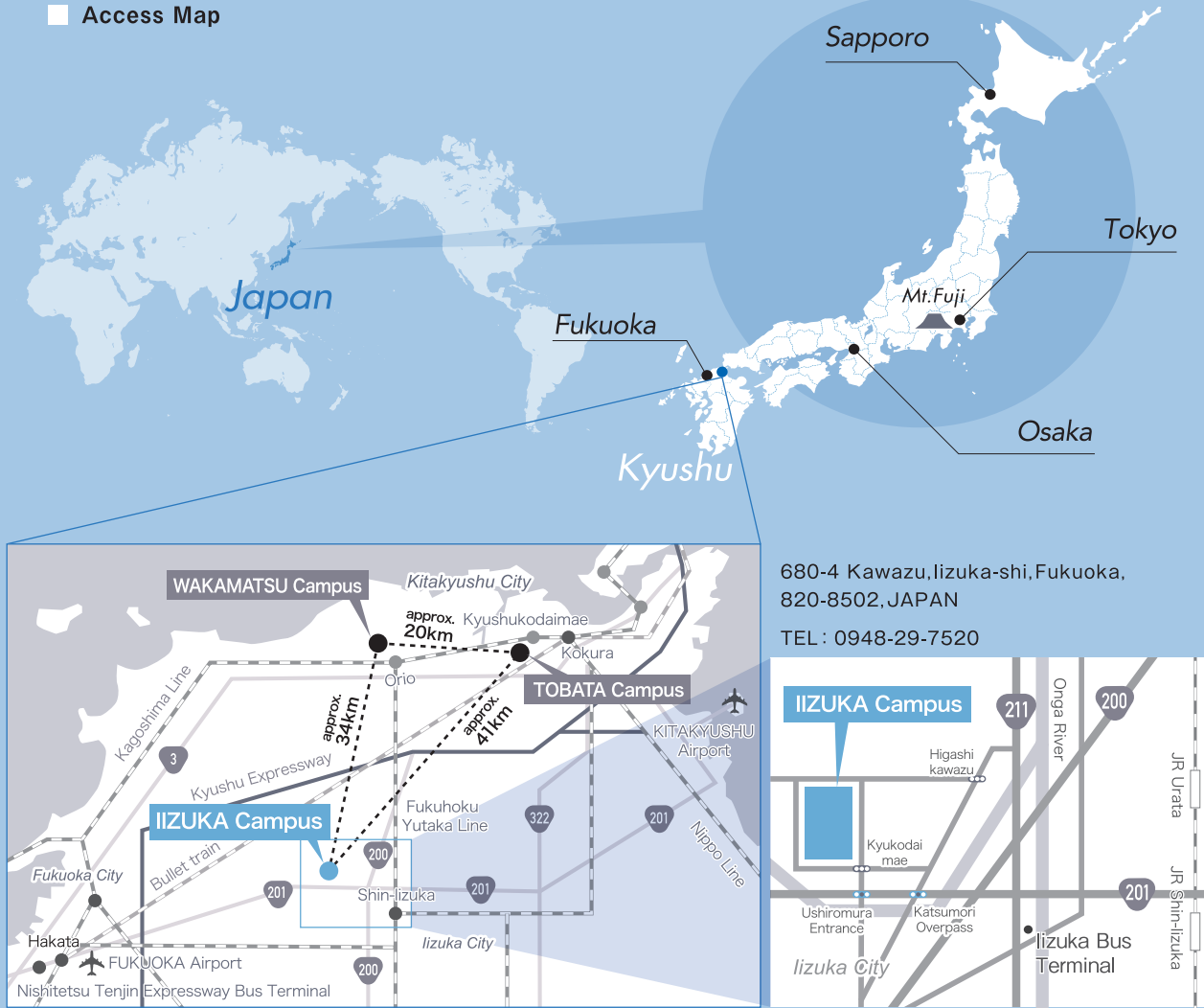
680-4 Kawazu,Iizuka-shi,Fukuoka,
820-8502,JAPAN

TEL : 0948-29-7520

Transportation

Estimated travel time

From JR Hakata Station
approx. 55min.

From Nishitetsu Tenjin
Expressway Bus Terminal
approx. 70min.

From FUKUOKA Airport
approx. 70min.