Graduate Schools

Playing a vital role since 1965 in the university's educational mission of contributing to cultural development, the Graduate Schools are dedicated to in-depth research and education in the arts and sciences, from theory to a broad spectrum of real-world applications. At present, the university has ten Graduate Schools offering 34 programs covering a wide range of academic fields, as listed on the right. The programs comprise two-year master's programs, five-year doctoral programs (two years for MA and three years for PhD), four-year doctoral programs in the medical sciences, and three-year professional master's degree programs.

The master's programs are designed to give students both a deep knowledge of their chosen field and the ability to approach it from various perspectives, equipping them either for higher level research or careers demanding specialized knowledge. The aim of the doctoral programs is to give students the high-level theoretical knowledge and research skills necessary for advanced research in their chosen fields as independent researchers. The professional master's degree programs are designed to instill in students a deep sense of scholarship and equip them with the capabilities necessary for them to pursue careers requiring highly specialized knowledge and skills.

Responding to increasing specialization, diversification and internationalization in all academic fields, the graduate schools admit overseas students from Japan and abroad, while proactively striving for the development of the graduate schools by increasing the number of teaching staff and enhancing welfare services. Graduate students can study at other graduate schools or research institutes both at home and abroad if relevant study is recognized as being beneficial for their education and research.

Through the use of entrance examinations, a system whereby outstanding students can skip their fourth year of undergraduate study to enroll in graduate courses was adopted by the Graduate Schools of Science and Engineering in 1991 (except for the schools of Architecture and Civil Engineering, and Recycling and Eco-Technology), and Sports and Health Science in 1992. All Graduate Schools, except the Graduate School of Medical Sciences, organize entrance examinations for mature students with relevant work experience to answer social requests and expectations, thereby attracting many applicants.

CONTENTS

Humanities	25
 History (MA, PhD) Japanese Language and Literature (MA, Flenglish Language and Literature (MA, Plenglish Language and Literature (MA, Plenglish Language and Literature (MA, Plenglish Language and Literature (MA, Phenglish Socio-Cultural Studies (MA) Education and Clinical Psychology (MA, Flenglish Psychology) 	nD) hD) D)
Law	27
Public Law (MA, PhD)Civil and Criminal Law (MA, PhD)	
Economics	28
Economics (MA, PhD)	
Commerce	28
• Commerce (MA, PhD)	
Science	29
 Applied Mathematics (MS, PhD) Applied Physics (MS, PhD) Chemistry (MS, PhD) Earth System Science (MS, PhD) 	
Engineering	30
 Mechanical Engineering (MS) Electrical Engineering (MS) Electronics and Computer Science (MS) Chemical Engineering (MS) Architecture and Civil Engineering (MS) Energy and Environment Systems (PhD) Information and Control Systems (PhD) Recycling and Eco-Technology (MS) 	
Medical Sciences	32
 Human Biology (PhD) Regulatory Biology (PhD) Pathomorphology (PhD) Pathological Biodynamics (PhD) Social Medicine and Environmental Health Frontier Medical Sciences (PhD) Nursing (MS) 	n (PhD
Pharmaceutical Sciences	34
 Pharmaceutical Health Science (MS) Pharmaceutical Science (PhD) 	
Sports and Health Science	35
• Sports and Health Science (MS, PhD)	
Institute for Legal Practice (Law School)	35
Legal Practice (JD) (Professional degree programs)	

Graduate School of Humanities







History (MA, PhD)

The History graduate program offers four majors covering a wide range of research themes: Japanese History, Asian History, Western History and Archaeology. For the Japanese History major, research themes range from ancient and medieval history to the contemporary and modern eras. The themes of the Asian History major cover Chinese history from the Qin and Han periods through the Ming and Qing. Studies in the Western History major include the history of Britain, America and Germany in the modern age. The Archaeology major mainly focuses on archaeological research of the primeval, ancient and medieval periods.



Japanese Language and Literature (MA, PhD)

Students in the Japanese Language and Literature graduate program major in either Japanese Language or Japanese Literature. Students can choose from the multiple specialties offered by each major in order to focus their learning while taking other courses as well. In the Japanese Language major, the courses offered include studies of classical, modern and contemporary Japanese. In the Japanese Literature major, courses offered include classical literature, modern literature and comparative literature. One of the features of the program is the way in which education and research is informed by the most advanced research in comparative literature and linguistics.



English Language and Literature (MA, PhD)

Students in the English Language and Literature graduate program major in English Language, English Literature or English Language Education. Each major offers multiple courses: English Language courses offered include syntax and phonology, while English Literature courses offered include courses in British and American culture, fiction, drama and poetry. Students in the English Language Education major may take courses in design of English learning environments and English language education methodology, among others. Students are assigned to an academic supervisor who helps them deepen their knowledge in their specialized field and guides them through research culminating in their MA or PhD theses.



German Language and Literature (MA, PhD)

The majors offered in the German Language and Literature program are German Language and German Literature. Courses offered in the German Language major include sociohistorical linguistics, German syntax and teaching German as a foreign language. The German Literature major offers courses such as History of German Classicism and its Influence, Jacob Grimm and Romanticism, Modern German Fiction including the literary criticism of Karl Kraus, works by Franz Kafka and Max Frisch, and literature of the Jewish German tradition such as Christian Heine and Wolfgang Hildesheimer.



French Language and Literature (MA, PhD)

Students in the French Language and Literature program major in either French Language or French Literature. The courses offered in the French Language major focus mainly on modern French linguistics, centering on syntax and grammatical theory. The French Literature major offers a balanced program ranging from the 17th to the 20th centuries, including courses on contemporary French thought.



Socio-Cultural Studies (MA)

The Socio-Cultural Studies program comprises two branches: Sociology and Culture Theories (Cultural Anthropology). The Sociology courses stress lectures and practice in the theory of social systems, while the Culture Theories (Cultural Anthropology) courses focus on lectures and practice in empirical and theoretical analysis of cultural phenomena. Several courses on the fundamentals of socio-cultural studies and related methodology courses are required courses common to both branches. The Sociology branch aims at the cultivation of specialist techniques to analyze social structures and trends, including survey, statistical and mathematical approaches. The Culture Theories (Cultural Anthropology) branch aims to produce specialists with the knowledge and skills required for fieldwork, including practical language ability, and intellectuals who have professional knowledge and a solid grounding in Western philosophy.



Education and Clinical Psychology (MA, PhD)

This evening program includes two fields of study: Education and Clinical Psychology. The Education course is designed for students who wish to deepen their knowledge of education and school teachers who wish to upgrade their professional skills. The course promotes practical and comprehensive analysis of the factors involved in education at schools and in the social environment. The aim of the Clinical Psychology course is to produce highly qualified professionals in the field of clinical psychology, focusing mainly on the theory and techniques of clinical psychology. The program also offers intensive continuing education opportunities for working people. Emphasis is placed on meeting the varied needs of students, and the program offers as many as 50 courses. Upon completion of the MA program, students are qualified to take examinations for the Advanced Class Teacher's Certificate and the Certified Clinical Psychologist qualification authorized by the Clinical Psychologist Certification Board of Japan.

Graduate School of Law







Public Law (MA. PhD)

The subjects offered in the Public Law program are Constitutional Law, Administrative Law, Tax Law, International Law, Economic Law, Legal Sociology, Legal History, Political Science and History of Political Thought. The staff works with the staff of the Civil and Criminal Law program and collaborates with specialists from other major universities in Japan and overseas in research. This approach has earned praise for research into constitutional law through comparative legal study, and into international law with respect to fundamental ethics.

The admission system offers different admission standards and examinations according to the students' purposes after completing the course (e.g. students aspiring to be research staff members and students aspiring to be legal specialists or public servants), or according to social status such as working members of society and international students. Students are required to write a master's thesis to complete the master's degree course. When giving advice on researching and writing a thesis, we reflect on the student's purpose for choosing this program as much as possible. We also strive to give lectures in each course in line with the students' purposes for choosing this program.



Civil and Criminal Law (MA. PhD)

The subjects offered in the Civil and Criminal Law program are Civil Law, Civil Procedure Law, Commercial Law, Criminal Law and Procedure, Social Security Law, International Private Law, East Asian Corporate Law and Intellectual Property Law. Collaborative research projects are advanced with the staff of the Public Law program, and with researchers from other universities in Japan and overseas. Research results in the environmental field in particular have earned high praise, and have led the Ministry of the Environment to commission a study of environmental administration policies. The East Asian Corporate Law program begun in 2008 is attracting considerable attention as a unique course taught by a non-Japanese professor.

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Graduate School of Economics





Economics (MA. PhD)

Graduates of the school are professionals, equipped with the specialized knowledge needed to contribute to societal growth on the global stage.

Subjects in the MA program include Micro-Economics, Advanced Economic Theory, Applied Macro-Economics, Economic Dynamics, History of Economics, Monetary Theory, Economic History I (Asia), Economic History II (Japan), History of Social Theories, Theory of Economic Policy, Industrial Organization, International Trade Theory, Modern Economic Analysis of the U.S., China and Japan, Theory of Economic Development, Socioeconomics, Economics of Negotiable Securities, Public Finance, Taxation Theory, Public Economics, Social Choice Theory, Mathematical Economics, Quantitative Economics, Applied Econometrics, Economic Time Series Analysis, Statistics, Statistical Economic Theory, Social Engineering, Income Redistribution Theory, Urban Informatics, Analysis of Urban Models, Analysis of Urban Systems, Operations Research, Game Theory, Cooperative Game Theory, Regional Economics Theory, and Relationship between Asian Economies and Cultures. In addition to regular classes by school faculty, special lectures are also offered by guest lecturers.

The subjects offered in the PhD program include Economic History, Social Engineering, Analysis of Urban Models, Operations Research, Game Theory, Social Economics, and Economic Time Series Analysis

Graduate School of Commerce







Commerce (MA, PhD)

Subjects in the Commerce program include Distribution Systems, Marketing, Information Industry, Market Analysis, Marketing Models, Consumer Activity Theory, Banking, Insurance, Transport Economics, International Transport, International Economics, Trade, Trade Policy, Commercial Trade, International Finance, Currency Exchange, Comparative Financial Systems, American Economics, Asian Economics, Development Economics, Management, Management Administration, Management Organization, Finance Management, Human Resource Management, Modern Corporations, International Management, Operations Research, Management Strategy, Financial Reports, Bookkeeping, Management Accounting, Business Analysis, Financial Auditing, International Accounting and Corporate Taxation. With its array of advanced specialized courses, the aim of the program is to produce topflight researchers and educators, tax accountants, certified public accountants and other professionals who can play active roles in the business world.

Graduate School of Science







Applied Mathematics (MS, PhD)

To meet the needs of the rapidly developing information-oriented society, the Applied Mathematics program provides a broad education in pure and applied mathematics. The subjects offered are Fundamental Mathematics, Geometry, Analysis, Applied Analysis, Applied Mathematical Science, Statistics and Mathematics of Information. Courses in algebra, topology, differential geometry, functional analysis, complex analysis, differential equations, probability theory, statistics and mathematics of society are offered. In recent years, the staff's cutting-edge research on homotopy theory, Riemannian geometry, unbounded operator algebra, non-linear differential equations, stochastic approximations, theory of multi-variable functions, computerized image processing and network programming has attracted widespread attention.



Applied Physics (MS, PhD)

The Applied Physics program is dedicated to producing scientists with the knowledge, skill and vision to apply physics in a wide range of fields. Core subjects offered are Basic Physics, Physical Properties, Nanophysics and Physical Information Acquisition. In the Basic Physics course, students study nuclei and other structures of multi-quantum structures, astrophysics such as nebulas, and material properties including magnetism. In the Physical Properties course they study the properties of functional molecular coagulates, magnetic materials, superconductors and alloys. In the Nanophysics course the emphasis is on nanoscale structures, with study on the properties of materials used in semiconductors and ultra-small electronic components. The course on Physical Information Acquisition probes methods of measuring physical properties.



Chemistry (MS, PhD)

The program consists of research and education designed to contribute to the continued development of chemistry and to provide answers to society's needs by clarifying the processes of life, pioneering environment-friendly "Green Chemistry," and creating powerful new functional materials. Fields of specialty are Organic Chemistry, covering reactions and syntheses of organic compounds and related biological functions; Physical Chemistry, which examines the relationship between the ordered structures of matter and its physical properties; Inorganic and Analytical Chemistry, probing the creating of functional materials and clarification of function; and Nanochemistry, which researches the creation and exceptional functions of nanoscale materials.



Earth System Science (MS, PhD)

In the Earth System Science program, students explore various phenomena occurring on the Earth through a comprehensive and historical study of the mechanisms of the atmosphere, hydrosphere, lithosphere and biosphere from a wide range of perspectives. The courses majors offered are Physics of the Global Environment, Geophysical Fluid Dynamics, Hydrospheric Material Chemistry, Geodynamics, Structural Adaptation Biology and Functional Adaptation Biology. This interdisciplinary program, which connects physics, chemistry, biology and earth science, is the only postgraduate course of its kind in western Japan.

Graduate School of Engineering







Mechanical Engineering (MS)

The Mechanical Engineering program includes five majors: Strength of Materials, Fluid Engineering, Thermal Engineering, Manufacturing Science, and System Dynamics and Control. In each major, two faculty members are in charge of education and research. Students gain far-reaching basic knowledge in the field of mechanical engineering, which, coupled with research closely linking to advanced science and technology, provide them with comprehensive problem-solving ability and a broad perspective.



Electrical Engineering (MS)

The Electrical Engineering program is comprised of the four majors of Basic Electrical Engineering, Power Electronics, Electrical Power Engineering and Applied Electrical Engineering. These courses embrace such fields as the environment, information and communications, functional materials, superconductivity, control systems, energy conversion, high voltage insulation and laser applications. Progress is rapid in all of these fields, and this program promotes an interdisciplinary approach designed to produce professionals able to answer the needs of society.



Electronics and Computer Science (MS)

Composed of seven majors — Integrated Circuits, Communication Systems, Optoelectronics, Computing Systems, Information Architecture, Knowledge Engineering and Media Engineering — the program offers courses and research in semiconductors, electronic circuits, digital communications technology, optoelectronics, computer engineering, robotics, natural speech processing, and audio and video data processing. The program is designed to produce professionals with high-level knowledge and research ability to drive technological innovation in the key fields of electronics, communications and information.



Chemical Engineering (MS)

The teaching staff of the Chemical Engineering program specialize in the fields of Fundamentals of Chemical Engineering, Diffusional Unit Operations, Mechanical Unit Operations, Reaction Engineering and Industrial Chemistry. The program covers a range of advanced topics including chemical extraction of function compounds, high-performance absorption and adsorption technologies, biomass conversion, creating new functional materials, high-level recycling technologies, environmental devices and safety engineering, providing graduates with a broad perspective and sophisticated knowledge.



Architecture and Civil Engineering (MS)

Construction technology, which creates the spaces and facilities supporting a wide range of social activity including living, working and playing, faces a severe economic and financial climate, but must continue to ensure safety and environmentally aware products, making further advancement in the field essential. This program is intended to train researchers, engineers and designers capable of addressing and resolving these issues, offering seven majors: Structural Design, Aseismic Engineering, Construction Materials, Liquid Systems, Regional and Housing Design, Construction Environmental Planning, and Roadway and Foundation Environmental Planning. The program also offers courses fulfilling requirements for practical experience defined in the national qualification examination for Grade 1 architect.



Energy and Environment Systems (PhD)

The Energy and Environment Systems program is composed of six majors: Thermal Energy Engineering, Electrical Energy Engineering, Urban Environmental Engineering, Environmental Material Engineering, Environmental Process Engineering and Recycling System Engineering. Interdisciplinary studies are promoted through research on energy generation, conversion and transfer for solving energy problems, environment-friendly chemical systems approaches to overcoming environmental problems, technologies for waste treatment and recycling, and material development for the prevention or amelioration of environmental degradation.



Information and Control Systems (PhD)

This program is composed of four majors: Computer Science, Information Transmission Engineering, Power Electronics and Mechatronics, and Solid State Electronics. Research covers a wide spectrum of specialty fields including intelligent information processing, natural language processing, information transmission including digital communications technology, power conversion using semiconductor devices, robot control, and the functional devices to support such systems.



Recycling and Eco-Technology (MS)

In a world with limited natural resources and energy sources, this program was established in the 2002 academic year aiming to produce engineers necessary to realize a sustainable society. The program consists of six majors: Sustainability of Resources, Control of Environmental Chemicals, Ecological Control, Regional Environment, Environmental Management and Cultural Environment in East Asia. Established in the Graduate School of Engineering, the program welcomes not only new graduates but also members of the general population and students from overseas, regardless of their majors, aiming to integrate elements from both the engineering and humanities fields.

Graduate Schools

Graduate School of Medical Sciences





Human Biology (PhD)

This program focuses on the basic structure and functions of the human body. The majors offered are Biological Structure, Molecular Cell Biology and Cellular Molecular Control. Among the noteworthy studies currently underway are studies on cell structure and cell physiology and biochemical studies on cellular function.



Regulatory Biology (PhD)

This program is taught by eight teaching staff members and offers majors in Microbiology and Immunology, Regenerative and Transplantation Medicine, Respiratory Pathophysiology, and Regenerative and Reconstructive Surgery. Studies focus on microorganisms, eumycetes and parasites pathogenic to the human body and immune system.



Pathomorphology (PhD)

This program conducts research focused mainly on the microscopic analysis of human body tissues and pathological changes induced in them by diseases and on the mechanism of the development of various diseases and their therapies. Majors offered include Morphologic Pathology, Pathology, Geriatric Pathology, Tumor Pathology, Morphofunctional Pathology, Pathology of the Central Nervous System, Pathophysiology of the Visual System, Urology and related Sciences, Pathophysiology of the Gastrointestinal Tract, Neurology, and Immunology and Metabolic Disease.



Pathological Biodynamics (PhD)

Research in this program centers on the normal functions of the human body and the morbid changes induced by diseases. The majors offered are Molecular Pharmacology, Neuro-Otology, Joint Physiology and Mechanics, Cardiovascular Hemodynamics, Radiological Science, Anesthesiology, Emergency and Critical Care Medicine, Functional Neuroscience and Oral Physiology.



Social Medicine and Environmental Health (PhD)

This program offers majors in Preventive Medicine and Health Education, Health Medicine, Social Welfare Systems, Criminal Medicine and Psychoanalysis. Major research themes include studies on diseases induced by the relationship between human beings and their social environment, prevention of occupational diseases and health control in the workplace, and social and environmental factors in the development of human diseases.



Frontier Medical Sciences (PhD)

This program has the following majors: Immunobiochemistry, Cardiovascular Physiological Chemistry, Molecular Reproductive Medicine, Clinical Test and Laboratory Medicine, Cardiovascular Physiology and Chemistry, Immunobiochemistry of Cutaneous Malignant Tumors, Pathophysiology of Infectious Diseases, Pathophysiology of Endocrine and Metabolic Diseases, Gastrointestinal Pathophysiology, Organ Regeneration and Surgery, Gastroenterology, Developmental Pediatrics, Clinical Oncology, and Clinical Research. Ongoing research includes studies on the chemical mediators that affect the functions of the human body, their kinetic metabolism and the pathological changes they induce.



Nursing (MS)

The nursing program was established in 2011, and covers four main fields: adult lifestyle disease support; mother-child health support; regional and mental health support; and nursing staff training and management. As a graduate school serving the local community, the program and curriculum are now being revised and improved to ensure the acquisition of sophisticated, practical nursing skills. Plans call for the addition of courses in high-level practical nursing to existing thesis-based courses in adult lifestyle disease support, regional and mental health support, and nursing staff training and management, enhancing program content to a level appropriate to a core education institution for Kyushu.

Graduate School of Pharmaceutical Sciences





Pharmaceutical Health Science (MS)

Pharmaceutical Health Science is divided into two programs: Pharmaceutical Health Medicinal Science and General Pharmaceutical Sciences. The aim of the Pharmaceutical Health Science program is to produce human resources such as health science-related researchers/technical experts, medicinal science-related researchers/technical experts, medical representatives, and health food and perfumery and cosmetics safety officers who can play active parts in the interdisciplinary health science field. The General Pharmaceutical Sciences program is mainly intended for on-the-spot pharmacists, providing them with systematic and methodical support toward acquiring state-of-the-art medical and pharmaceutical scientific knowledge through lectures and seminars, thereby fostering their ability to develop and assess information through research and become leading pharmacists who can make community-based medical contributions.



Pharmaceutical Science (PhD)

The Pharmaceutical Science course is divided into eleven majors: Clinical Side Effects, Clinical Pharmacology, Clinical Pharmacology, Clinical Pharmacology, Clinical Pharmacology, Pathological Patient Management, Pharmacology Design, Clinical Patient Pharmacology, Pathological Function Analysis, Clinical Biochemistry, Clinical Pharmacological Analysis, and Clinical Pharmacological Chemistry. This course aims to produce pharmacologists and researchers who can apply deep specialized knowledge and outstanding research capabilities to speedily and precisely resolving problems in the clinical field.

Graduate School of Sports and Health Science





Sports and Health Science (MS, PhD)

The Physical Education program aims at producing first-rate physical education specialists and leaders who can develop their professional abilities to meet the needs of society. To accomplish this, six majors are offered: Physical Education, Physical Fitness, Sports Medicine, Physical Education Teaching Methods, Coaching Methods, and Exercise and Health. Research and education extends beyond traditional school and university sports to include medical and municipal institutions, private organizations and commercial sports facilities.

Institute for Legal Practice (Law School)





Legal Practice (JD) (Professional degree programs)

We have a structured curriculum beginning with the fundamental subjects and progressing on to practical legal subjects, including all the things needed to acquire the necessary abilities to work as a lawyer, judge or public prosecutor. These two types of subjects are well linked to each other in the curriculum.

All of the basic subjects such as Constitutional Law, Civil Law and Criminal Law are directed towards first-year law students in the three-year course for students without undergraduate law degrees, on the assumption that they have no legal backgrounds. The goal is to provide them with a fundamental understanding of law based on practical application.

From the second year, students in the standard three-year course and those studying in the abbreviated two-year course for students with undergraduate law degrees attend courses together. The emphasis is on practice, training students to apply the fundamentals mastered in the first year to resolve real-world issues. Both civil and criminal cases are practiced, and students participate in externships and legal clinics to gain practical knowledge and experience. The course includes a number of developmental subjects including Medicine, Welfare, Human Rights and Labor Disputes, backed up by legal practice.

These classes are taught by former judges, lawyers, and college researchers with many years of university education experience. In addition to receiving their Law Doctorate, those who complete this degree course also gain the qualification to take the National Bar Examination.