

Graduate Schools

Graduate School of Human and Socio-Environmental Studies

Division of Humanities (Master's Level Section of Integrated Course)

Broaden or deepen? Exploring the diversity of humanities knowledge

Five comprehensive interdisciplinary programs that focus on conducting research in multidisciplinary fields, 16 specialization-oriented programs that conduct research in fields such as human sciences, history, language and literature, and cultural resources, and a training program to become a certified psychologist. Students choose one of these at the time of their entrance exam. Students who complete the program are awarded a Master's degree in literature or a Master of Arts.

Division of Economics (Master's Level Section of Integrated Course)

Facing contemporary issues in international socio-economics from theory, policy, and management perspectives

Students can choose from three courses: Economic Theory & Policy, International Society & Economy, and Management Information. Students who complete the program are awarded a Master's degree in economics, business administration, or a Master of Arts.

Division of Regional Development Studies (Master's Level Section of Integrated Course)

Creating communities where people can prosper and shine

With two courses available, Regional Development Studies and Educational Support & Development Studies, this program aims to develop professionals with high-level regional development skills and offers task-oriented internships. Both courses offer a Master's degree in regional development studies or a Master of Arts.

Division of International Studies (Master's Level Section of Integrated Course)

To develop human resources who can use Japanese and foreign languages to contribute to the international community, Japanese language education, and international exchange

In the International Relations and Regional Studies course, students conduct research on various issues facing the international community from a comprehensive perspective, utilizing their foreign language proficiency. In the Japanese Language Education and Japanese Culture Studies course, students focus on research to deepen their knowledge and teaching skills related to the Japanese language, Japanese language education, and Japanese culture. Both courses offer a Master's degree in international studies or a Master of Arts.

Division of Human and Socio-Environmental Studies (Doctoral Level Section of Integrated Course)

Solving problems facing people, society and the environment, and pioneering new knowledge

Students can choose from three courses: Humanities, Law & Politics, and Socioeconomics. Students who complete the program are awarded a Doctor's degree in socio-environmental studies, literature, law, political science, economics, or a Doctor of Philosophy.

Licensed Psychologist Training Program

Producing highly specialized Licensed Psychologists with close ties to society and the public

Licensed Psychologists are nationally accredited, providing psychological assistance in the fields of health care, education, welfare, industrial labor, and judicial offenses. Our Masters in Humanities course in the Graduate School of Human and Socio-Environmental Studies offers a Licensed Psychologist Training Program, which gives students the opportunity to qualify for the Licensed Psychologist Examination, and produces Licensed Psychologists with close connections to society and the public.

Graduate School of Natural Science and Technology

Division of Mathematical and Physical Sciences (Master's / Doctoral Level Section of Integrated Course)

Using the wisdom of mathematics, physics, and computational science to explain natural phenomena In addition to mathematics and physics, which form the basis of natural science, this division conducts education and research in computational science, a new academic discipline that has developed along with advances made in computers. The division fosters human resources with the abilities, as highly skilled professionals and researchers, to shed light on various problems in natural science at a fundamental level and to apply the specialized knowledge and research methods they have acquired to solve various problems in the international community and the natural world.

Division of Material Chemistry (Master's / Doctoral Level Section of Integrated Course)

Pioneering cutting-edge chemistry through the analysis and creation of materials

This division aims to develop highly skilled human resources (researchers and engineers) capable of identifying issues and conducting leading research in a wide range of chemistry-related fields in order to understand various phenomena that occur in the natural world from the viewpoint of changes in substances and realize an affluent society in harmony with nature.

Division of Mechanical Science and Engineering (Master's / Doctoral Level Section of Integrated Course)

Practical and diverse education and research with a basis on mechanical engineering

This division carries out practical and wide-ranging education and research in mechanical science that takes harmony between nature and mankind into consideration (education and research that contribute to harmony with nature, efficient use of resources and energy, and the development of a comfortable, safe, and orderly society).

Division of Frontier Engineering (Master's Level Section of Integrated Course)

Challenging unexplored facets of future society by deepening and integrating engineering expertise

In addition to deepening expertise in the fields of electronic machinery, mechanical engineering, chemical engineering, and electrical and information engineering, this division integrates these fields to foster expertise, broad perspectives, and the comprehensive abilities needed to effectively respond to the challenges and innovations required in the future society. Furthermore, it develops engineers and researchers with high ethical standards and global viewpoints who can contribute to the sustainable development of human society.

Division of Electrical, Information and Communication Engineering (Master's Level Section of Integrated Course)

Creating the information society of the future through electrical, electronic, and information and communication engineering

This division aims to develop researchers and engineers in the fields of electrical and electronic engineering and information and communication engineering who possess creativity and a willingness to explore new fields, as well as independence, leadership skills, and international outlooks. In addition to building expertise in their fields, students are trained to take on comprehensive and interdisciplinary issues ranging from the latest information technology to global energy measures and environmental problems.

Division of Geosciences and Civil Engineering (Master's Level Section of Integrated Course)

Understanding how the global environment works and exploring how to create sustainable social infrastructure

The 21st century is also known as "the century of the environment". In this division, education and research are carried out in order to understand the future image of Earth through a comprehensive understanding of its environment and formation from the viewpoint of earth and planetary science, and also to construct social infrastructure systems from the perspective of social infrastructure engineering that can effectively respond to natural disasters and environmental changes, with the goal of contributing to the realization of a sustainable future society in harmony with the environment.

Division of Biological Science and Technology (Master's Level Section of Integrated Course)

Striving to achieve a rich and sustainable nature and society by studying the principles of life

In order to realize a rich and sustainable natural environment and a human society in harmony with nature, this division works to develop human resources with specialized knowledge as well as communication, problem-solving, and practical skills in the fields of biological science to tackle the mysteries of life phenomena, marine bioresource science to learn the physiology and ecology of species in oceanic and terrestrial waters and utilize that knowledge for food production, and in fields of bioengineering that use engineering ideas to apply biological sciences to society.

Division of Electrical Engineering and Computer Science (Doctoral Level Section of Integrated Course)

Making an advanced information network society a reality through electrical engineering and computer science

This division is developing innovative technologies to make a high-speed, large-capacity, and pleasant advanced information network society a reality. In addition to systematically providing world-class education in the fields of electrical engineering, electronic engineering, communication engineering, and information engineering, new technologies are created as a result of strengthening collaboration among these fields.

Division of Environmental Design (Doctoral Level Section of Integrated Course)

Striving to realize a sustainable society and environmental infrastructure in harmony with nature

With the goal of creating social and environmental infrastructure in harmony with nature, and taking on the responsibility of building the social infrastructure that plays a vital role in the creation of sustainable, safe, and pleasant lands and cities, this division conducts education and research in a wide range of fields necessary for environmental design, including technology and engineering investigation, research, planning, design, construction, and maintenance, as well as waste treatment, regeneration, and renewal, with high degrees of specialization and interdisciplinarity.

Division of Natural System (Doctoral Level Section of Integrated Course)

Aiming for the development of science in harmony with nature and the realization of affluent living

This is a division that combines biology, bioengineering, chemical engineering, and geo-environmental studies, making it a truly interdisciplinary field of science and engineering. The education received in this division nurtures researchers, engineers, and educators with a global awareness, creativity, and a high sense of ethics in the fields of natural science.

Graduate Program on Science and Engineering for Sustainable Development

Fostering innovative doctoral professionals through cross-disciplinary education

This is a five-year integrated program that nurtures innovative doctoral students who can contribute to the development of a sustainable, safe, and secure society and play active roles in the international community. In this program, students learn a new field of study that is based on a diverse range of academic disciplines and crosses over into specialized fields.

Graduate School of Medical Sciences

Division of Medical Science (Master's Program)

Developing globally minded human resources with a foundation in medicine and diverse professional backgrounds

Students systematically and intensively study life sciences, basic medicine, and clinical medicine, as well as (as well as) engage in medically related research (under the research guidance..) under the research guidance of a faculty advisor. The program accepts people with diverse academic backgrounds, regardless of whether their studies have been in non-medical fields such as liberal arts or sciences, with the purpose of training human resources with medical qualifications who can play active roles as researchers in medical fields and professionals in healthcare and industrial fields.

Division of Medicine (Doctoral Program)

Fostering world-leading researchers and highly skilled professionals in the field of medicine

The Division of Medicine was established to promote interdisciplinary and advanced education and research in basic and clinical medicine with a focus on medicine and the treatment of diseases. This division trains students to acquire medical knowledge in a wide range of fields and the academic knowledge that forms the basis of the abilities needed to elucidate the mechanisms and pathology of diseases, and to develop and provide prompt and accurate diagnoses and effective, high-quality treatment that lessens the burden on patients.

Division of Pharmacy (Doctoral Program)

Creating leaders in pharmaceutical education and research and medical professionals with high levels of expertise

This division aims to foster in students cutting-edge knowledge in the field of pharmacy, practical research skills as medical professionals, high ethical standards, and international perspectives. In an interdisciplinary environment with cooperation among medical fields, the division cultivates leaders in pharmaceutical education and research with high levels of expertise and medical professionals with backgrounds in natural science and excellent academic research skills through education in a diverse range of fields.

Division of Pharmaceutical Sciences (Master's / Doctoral Level Section of Integrated Course)

Creating pioneering researchers with international perspectives in drug discovery and life sciences

The Master's program aims to develop individuals who combine broad-based knowledge and research skills in drug discovery science with an international perspective, and who can contribute not only to drug discovery but to life sciences in general. The Doctoral program cultivates cutting-edge knowledge and skills along with advanced research capabilities, creating internationally active researchers with high insight, outstanding research ability, and strong leadership.

Division of Health Sciences (Master's / Doctoral Level Section of Integrated Course)

Creating knowledge and forming new fields of study to lead health sciences in the 21st century

This division promotes comprehensive and interdisciplinary research in health sciences, creating knowledge and formulating new academic fields that will lead the way for health sciences in the 21st century. The Master's program develops leading, highly specialized professionals with a broad wealth of academic knowledge and advanced problem-solving thinking skills, while the Doctoral program nurtures international researchers and educators with advanced research skills, both of which contribute to the development of health sciences and the improvement of human health and wellbeing.

Graduate School of Advanced Preventive Medical Sciences

Division of Advanced Preventive Medical Sciences (Doctoral Program)

Developing human resources with international perspectives on preventive medicine who can give back to society

This is a jointly operated graduate school of Kanazawa University, Chiba University, and Nagasaki University, all of which offer a four-year Doctoral program with the same curriculum. This program trains individuals and environments who can comprehensively analyze and evaluate the characteristics of, and are capable of "personalized prevention" that encompasses everything from primary to tertiary prevention in the fields of education, research, and medical care.

Division of Frontier Science Initiative

Creating "new knowledge" out of the "integrated graduate school education model"

This division develops human resources capable of solving the problems that modern society faces through scientific and technological innovation by integrating different fields. The curriculum (JAIST) is designed in collaboration with both the Japan Advanced Institute of Science and Technology (JAIST) and faculty members from the Graduate School of Frontier Science Initiative. Students specialize in a diverse range of fields, including humanities, social sciences, natural sciences, and pharmaceutical and health sciences. In addition to their own specialties, students take on the challenges in interdisciplinary research in various fields through taking courses in different areas and through laboratory experiences.

Pioneering unexplored nano fields areas at one of the world's most advanced research facilities

Using the research achievements of the university's Nano Life Science Institute (WPI-NanoLSI) as its base, this integrated educational program produces human resources that work on the development using high-performance atomic probe microscopy (SPM) technology, as well as those who can develop the world's most advanced dynamic measurement technology and technology in the fields of life and material sciences and conduct research that leads to understanding of those phenomena.

WISE Program for Nano-Precision Medicine, Science, and Technology (WISE Program)

Developing human resources that can utilize nanotechnology to solve health problems

This is a five-year integrated Doctoral program (or four-year Doctoral program) across four Graduate Schools: the Graduate School of Natural Science and Technology, the Graduate School of Medical Sciences, and the Graduate School of Frontier Science. It was selected as a "WISE Program for World-leading Innovative & Smart Education" by the Nano Life Science Institute, the Culture, Sports, Science, and Technology Ministry.

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