



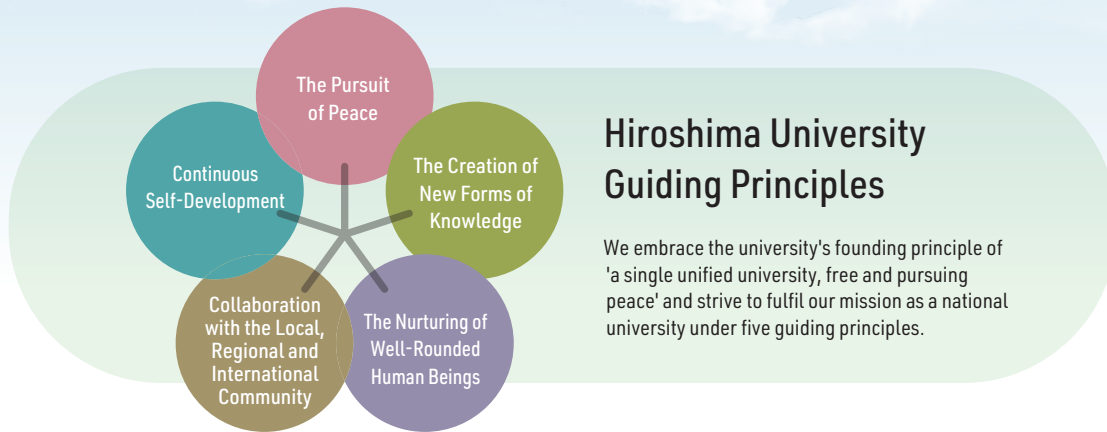
HIROSHIMA UNIVERSITY



# Admission Information for International Students

2023-2024

# University of World-wide Repute and Splendor for Years into the Future



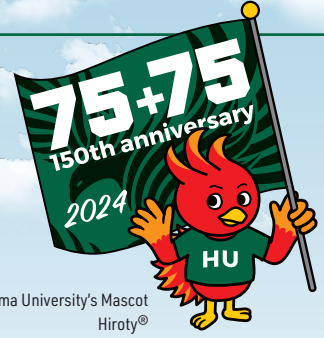
**OCHI Mitsuo**  
President  
Hiroshima University

Hiroshima University (HU) was established in 1949, four years after the atomic bombing of Hiroshima, as a 'peace university'. Since then, HU has continued its progress as a leading comprehensive research university in Japan. I am pleased to say that the project to integrate the research efforts of four graduate schools (Humanities and Social Sciences, Advanced Science and Engineering, Integrated Sciences for Life, and Biomedical and Health Sciences) was launched and progressed smoothly towards the planned inauguration of the Graduate School of Innovation and Practice for Smart Society. This school was successfully established in April 2023. In this new structure, researchers from the five graduate schools aim to work together to produce integrated knowledge and implement innovative practices. Aiming to expand globally while remaining deeply rooted in the local community, Hiroshima University will seek to open a new horizon in the fields of education, research and social contribution in the 'with- and post-COVID-19' era.



## Hiroshima University 75+75 Anniversary

Hiroshima University will celebrate its 75th Anniversary in 2024. Its history dates back to the founding of its oldest predecessor, Hakushima School (predecessor of Hiroshima Normal School), in 1874. From 1874 to the establishment of Hiroshima University in 1949, it has had a 75-year history. Considering the history of its predecessor schools, HU will celebrate its 150th Anniversary in 2024.



Hiroshima University's Mascot Hiroti®

## ASU-Hiroshima University Global Initiative

The Thunderbird School of Global Management-Arizona State University-Hiroshima University Global Initiative launched in August 2022. Through interaction with students admitted from abroad, this joint operation of the two universities enables students to experience an international campus environment during their studies at HU.



## MIRAI CREA, a new facility for international exchanges

Hiroshima University Phoenix International Center MIRAI CREA, which opened on the Higashi-Hiroshima Campus in October 2021, serves as a hub for innovation, knowledge sharing, and various international and domestic meetings and exchanges among students and researchers, as well as a base for building community through town-gown cooperation.



## HU in Figures (as of May 1, 2023)

### SUSTAINABLE DEVELOPMENT GOALS



THE University Impact Rankings 2023  
Third in Japan for the overall score  
Global Top 100 in 6 SDGs

**3<sup>rd</sup>**  
in Japan

Undergraduate students

**10,612**  
students

Doctorates conferred in AY 2022

**309**  
students

Postgraduate students

**4,526**  
students

Undergraduate graduates

**149,039**  
students

Volumes in collections at the libraries

Approx. **3.42**  
million volumes

Approx. **226**  
volumes per student  
million volumes

Staff members

**3,509**  
members

1 for every **4.3** students

Annual visitors to the libraries

Approx. **0.61**  
million visitors

**2,118**  
visitors per open day

Total site area of Higashi-Hiroshima Campus

Approx. **2.49**  
million m<sup>2</sup>

Equivalent to **49**  
Hiroshima Municipal Baseball Stadiums (Mazda Stadium)

# Undergraduate Programs

For undergraduate level, Hiroshima University consists of 12 schools which provide undergraduate courses including majors in the natural sciences, humanities, the social sciences, and many others.

## Schools, Courses and Degrees

(As of April 1, 2023)

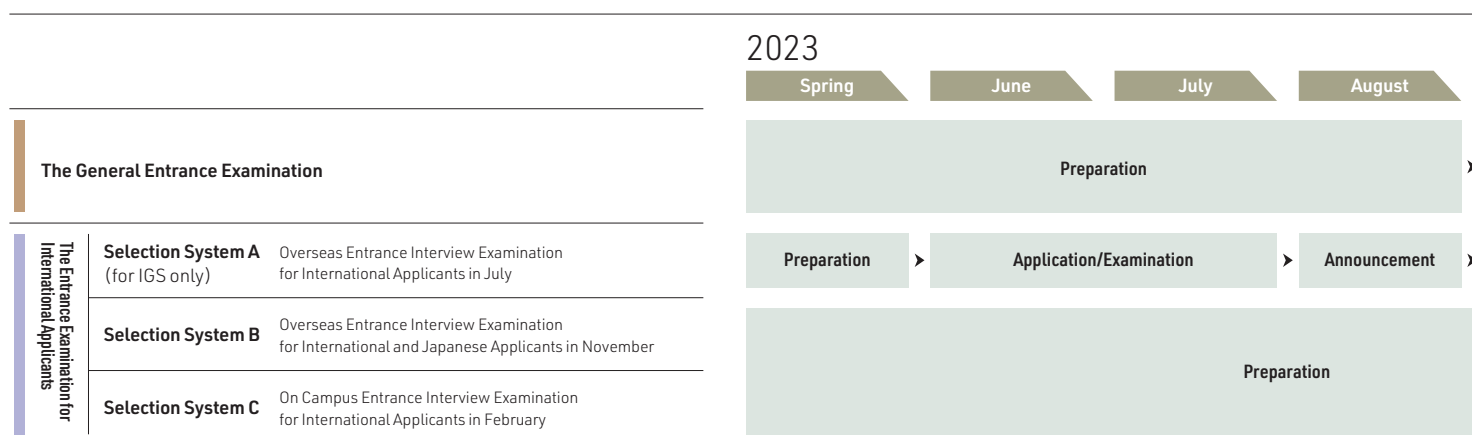
School	Course	Degree
■ <b>Integrated Arts and Sciences</b>	Integrated Arts and Sciences, Integrated Global Studies (IGS)	Bachelor of Arts and Sciences
■ <b>Letters</b>	Humanities	Bachelor of Arts
■ <b>Education</b>	Cluster 1: School Education Cluster 2: Science, Technology and Society Education Cluster 3: Language and Culture Education Cluster 4: Life-long Activities Education Cluster 5: Fundamentals for Education and Human Development	Bachelor of Education
■ <b>Law</b>	Law	Bachelor of Laws
■ <b>Economics</b>	Economics	Bachelor of Economics
■ <b>Science</b>	Mathematics, Physics, Chemistry, Biological Science, Earth and Planetary Systems Science	Bachelor of Science
■ <b>Medicine</b>	Medicine, Health Sciences	Bachelor of Medicine Bachelor of Nursing Bachelor of Health Sciences
■ <b>Dentistry</b>	Dentistry, Oral Health Sciences	Bachelor of Dentistry Bachelor of Oral Health Sciences
■ <b>Pharmaceutical Sciences</b>	Pharmaceutical Sciences, Medicinal Sciences	Bachelor of Pharmacy Bachelor of Medical Sciences
■ <b>Engineering</b>	Cluster 1: Mechanical Systems, Transportation, Material, and Energy Cluster 2: Electrical, Electronic, and Systems Engineering Cluster 3: Applied Chemistry, Biotechnology and Chemical Engineering Cluster 4: Civil Engineering and Architecture	Bachelor of Engineering
■ <b>Applied Biological Science</b>	Applied Biological Science	Bachelor of Agriculture
■ <b>Informatics and Data Science</b>	Informatics and Data Science	Bachelor of Informatics and Data Science

## Courses Offered in English

(As of April 1, 2023)

Course	Degree	Admission
Integrated Global Studies (IGS)	Bachelor of Arts and Sciences	April
Humanities in English Course	Bachelor of Arts	April
Applied Biological Science Program	Bachelor of Agriculture	April

## Admission Schedule



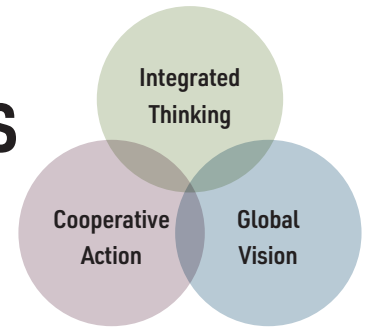
For details, please refer to the Application Guidelines for "The General Entrance Exam" or "Entrance Examination for International Applicants" (WEB version).

# School of Integrated Arts and Sciences

Department of

# Integrated Global Studies

Students from all over the globe will learn together. They will develop intercultural communication competence, broad-mindedness, and cooperative skills to bring more peace to the world.



## Educational Program

The IGS Department provides a liberal arts curriculum to develop a diverse approach to exploring and solving current global issues by utilizing an integrative perspective incorporating humanities, social sciences, and natural sciences. Consequently, knowledge and skills learnt through the curriculum should guide students to the exploration of and possible solutions to issues that modern society is currently facing around the globe.

1st year	2nd year	3rd year	4th year
Basic courses in university education  Language education  Liberal Arts education	Multidisciplinary subjects	Elective subjects	Graduation thesis
	IGS core subjects		
	IGS subjects from three fields - Culture and tourism - Peace and communication - Environment and society		

(1) Language education:

- All courses are conducted in English.
- Those whose first language (L1) is Japanese are required to attend a study abroad program in the second year.
- Students whose first language (L1) is not Japanese will study Japanese intensively.
- Students are encouraged to learn a third or fourth foreign language.

(2) Tailor-made curriculum: students create their own individual curriculum guided by their tutors.

(3) Multidisciplinary subjects to acquire the knowledge and methodology that

provide a foundation for the possible solutions to social and environmental issues.

(4) Courses to improve debate and presentation skills in both English and Japanese.

(5) Curricula focused on culture and tourism, peace and communication, and environment and society.

(6) Global internship for 3rd-year students in private companies, public organizations, nonprofit organizations, and research and educational institutions in and outside of Japan.

(7) Project-type problem solving research and graduation thesis.

**Number of Students** 40 per year

### Application Requirements

Applicants must submit any one of the following English proficiency certificates as an application requirement.

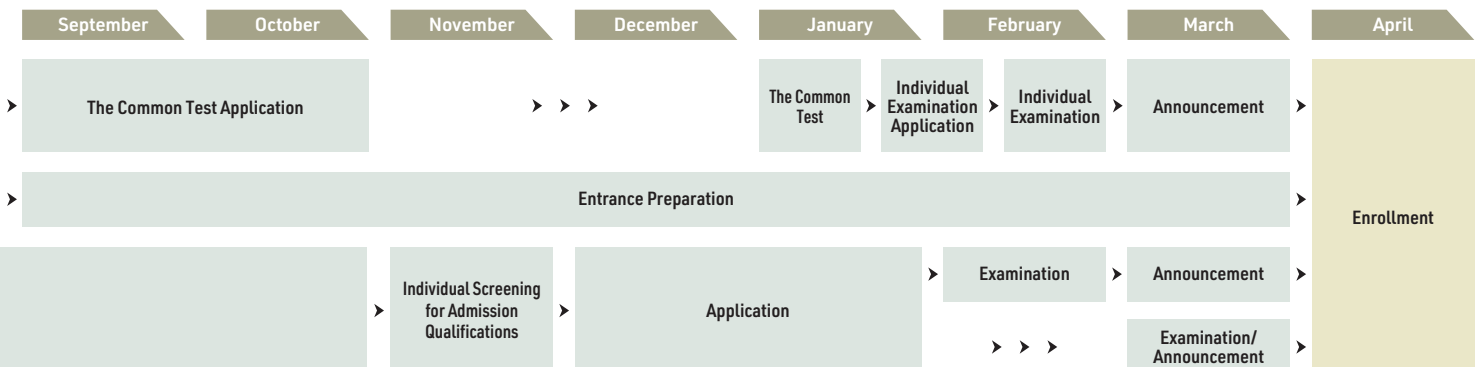
- Cambridge English
- EIKEN
- GTEC (CBT Type only)
- IELTSTM (Academic Module)
- TEAP (4 skills)
- TEAP CBT (4 skills)
- TOEFL iBT®
- TOEIC® L&R and TOEIC® S&W

For more information,

[https://www.hiroshima-u.ac.jp/en/igs/admissions/admissions\\_2024/admissions\\_2023](https://www.hiroshima-u.ac.jp/en/igs/admissions/admissions_2024/admissions_2023)



2024



# Graduate Programs

## Graduate School Majors and Degrees

(As of April 1, 2023)

Graduate School	Division	Major(Programs)	Degree		Course offered in English	Course offered in Japanese	Admission		
							APR	OCT	
■ Humanities and Social Sciences	Humanities and Social Sciences	Humanities	M	Arts	M/D	M/D	○	○	
			D	Humanities					
			Psychology	M/D	Psychology		M/D	○	
			Law and Politics	M/D	Laws / Philosophy	D	M/D	○	○
			Economics	M/D	Economics / Philosophy	D	M/D	○	○
			Management Sciences	M/D	Management Sciences / Philosophy	D	M/D	○	○
			International Peace and Co-existence	M/D	Philosophy / International Cooperation Studies	M/D	M/D	○	○
			International Economic Development	M/D	Philosophy / Economics / Business Administration / International Cooperation Studies	M/D	M/D	○	○
		Integrated Arts and Human Sciences	M/D	Philosophy	M/D	M/D	○	○	
		Educational Sciences	Educational Design for Teacher Educators	M/D	Education / Educational Psychology / Philosophy		M/D	○	
			Educational Studies	M/D	Education		M/D	○	
			Teaching Japanese as a Second Language	M/D	Education / Philosophy		M/D	○	
			International Education Development	M/D	Education / Philosophy / International Cooperation Studies	M/D	M/D	○	○
		Professional Development for Teachers and School Leaders	Professional Development for Teachers and School Leaders	M	Professional Development		M	○	
		Law School	Law Practice Professionals		Juris Doctor		JD	○	
		Joint International Master's Programme	Sustainable Development (Hiroshima University and University of Graz)	M	Science	M			○
	■ Advanced Science and Engineering	Advanced Science and Engineering	Mathematics	M/D	Science	M/D	M/D	○	○
			Physics	M/D	Science	M/D	M/D	○	○
			Earth and Planetary Systems Science	M/D	Science	M/D	M/D	○	○
			Chemistry	M/D	Science	M/D	M/D	○	○
Applied Chemistry			M/D	Engineering	M/D	M/D	○	○	
Chemical Engineering			M/D	Engineering	M/D	M/D	○	○	
Electrical, Systems, and Control Engineering			M/D	Engineering	M/D	M/D	○	○	
Mechanical Engineering			M/D	Engineering	M/D	M/D	○	○	
Transportation and Environmental Systems			M/D	Engineering	M/D	M/D	○	○	
Architecture			M/D	Engineering	M/D	M/D	○	○	
Civil and Environmental Engineering			M/D	Engineering	M/D	M/D	○	○	
Informatics and Data Science			M/D	Informatics and Data Science	M/D	M/D	○	○	
Quantum Matter			M/D	Science / Engineering / Philosophy	M/D	M/D	○	○	
Transdisciplinary Science and Engineering			M/D	Engineering / Philosophy / International Cooperation Studies	M/D	M/D	○	○	
Smart Innovation		M/D	Engineering	M/D	M/D	○	○		
	Joint International Master's Programme	Sustainable Development (Hiroshima University and Leipzig University)	M	Science	M			○	

Graduate level studies at Hiroshima University consist of 5 graduate schools and 43 master and 48 doctoral degrees including Education, Biomedical & Health Sciences, Engineering, and many other majors. In addition, 2 unique program offerings.

Graduate School	Division	Major(Programs)	Degree		Course offered in English	Course offered in Japanese	Admission	
							APR	OCT
■ Integrated Sciences for Life	Integrated Sciences for Life	Biotechnology	M	Engineering / Philosophy	M/D	M/D	○	○
			D	Engineering / Science / Philosophy				
		Food and AgriLife Science	M/D	Agriculture / Philosophy	M/D	M/D	○	○
		Bioresource Science	M/D	Agriculture / Philosophy	M/D	M/D	○	○
		Life and Environmental Sciences	M/D	Philosophy / Agriculture	M/D	M/D	○	○
		Basic Biology	M/D	Science / Philosophy	M/D	M/D	○	○
		Mathematical and Life Sciences	M/D	Science / Philosophy	M/D	M/D	○	○
		Biomedical Science	M/D	Science / Philosophy	M/D	M/D	○	○
■ Biomedical and Health Sciences	Doctoral: Biomedical Sciences	Medicine	D	Medicine / Philosophy	D	D	○	○
		Dental Sciences	D	Dental / Philosophy	D	D	○	○
		Pharmaceutical Sciences	D	Pharmacy / Philosophy	D	D	○	○
		Radiation Biology and Medicine	D	Medicine / Philosophy	D	D	○	○
	Master's: Integrated Health Sciences	Health Sciences	M	Nursing / Health Science / Oral Health Science	M	M	○	
		Medicinal Sciences	M	Medicinal Science	M	M	○	○
		Public Health	M	Public Health	M	M	○	○
		Medical Physicist	M	Medical Science	M	M	○	○
		Biomedical Science	M	Medical Science / Dental / Philosophy	M	M	○	○
	Doctoral: Integrated Health Sciences	Health Sciences	D	Nursing / Health Sciences / Oral Health Science	D	D	○	○
		Medicinal Sciences	D	Medical Science	D	D	○	○
		Biomedical Sciences	D	Medical Science / Dental / Philosophy	D	D	○	○
■ Innovation and Practice for Smart Society	Master's Course	Philosophy		M	M	○	○	
	Doctoral Course	Philosophy / Engineering / Informatics and Data Science / Agriculture / Health Science / Medical Science / Economics		D	D	○	○	

## Special Certificate Programs

(As of April 1, 2023)

Programs	Course	Affiliated Graduate Schools	Course offered in English	Course offered in Japanese	Admission	
					APR	OCT
Phoenix Leader Education Program (Hiroshima Initiative) for Renaissance from Radiation Disaster	Radiation Disaster Medicine	Humanities and Social Sciences	D	D		○
	Radioactivity Environmental Protection	Advanced Science and Engineering Biomedical and Health Sciences	D	D		○
	Radioactivity Social Recovery	Integrated Sciences for Life	D	D		○
The Frontier Development Program for Genome Editing	Life Science	Integrated Sciences for Life	D	D	○	○
	Medical	Biomedical and Health Sciences	D	D	○	○

# Humanities and Social Sciences

**To deepen traditional knowledge-seeking academics and the creation of new social values, consolidation of existing academic fields into a single graduate school**

This graduate school, known as the Graduate School of Humanities and Social Sciences, has two missions: the pursuit of various sciences for the betterment of humanity and society, and the endeavor to build a sustainable and peaceful world through education. It aims to cultivate individuals with profound insights into human beings and society, along with a strong interest in fields beyond their own areas of expertise. By collaborating with experts from diverse disciplines, including natural sciences and life sciences, it seeks to foster professionals who will contribute to the creation of future human societies.

## Academic Degree Program

**5 Majors and 15 Programs**

in the Humanities and Social Sciences and Interdisciplinary field

### Division of Humanities and Social Sciences [Master's Course / Doctoral Course]

#### ■ Humanities Program

Based on the philosophy of taking a fundamental and holistic view of human beings and culture and constantly seeking and exploring new knowledge, the Humanities Program cultivates individuals with advanced research skills and deep academic knowledge who can contribute to the inheritance and coexistence of culture through broad and deep study of cultural phenomena of all times and places, with an eye on the future of humankind.

#### ■ Psychology Program

This program fosters individuals who can approach the scientific elucidation of human behavior and its underlying psychological processes from a variety of psychological perspectives, including cognitive/physiological, social, educational/learning, developmental/infantile, and clinical perspectives, and who are equipped to solve problems related to such processes, thereby meeting social needs in the fields of advanced research and clinical psychology.

#### ■ Law and Politics Program

This program encompasses law, political science, international relations, and sociology as areas of specialization, and offers courses dealing with themes such as "New Public Management," "Corporate Governance and Law-abiding Management," "Global Publicness," and "Medical Social Sciences." The program cultivates the ability to incorporate cutting-edge knowledge and perspectives and to derive practical solutions to problems.

#### ■ Economics Program

This program fosters the ability to seek objective and factual solutions to economic and social problems by taking a theoretical and historical perspective on the domestic and international economy and by making full use of quantitative analysis methods. The program fosters human resources who have acquired a high level of specialized knowledge and are able to use it in the real economic and corporate world.

#### ■ Management Sciences Program

The Management Program approaches various management issues faced by organizations from the three fields of organization and management, accounting and information, and community and exchange. The program is unique in that it attempts to "fuse theory and practice" by intensely intermingling the latest theories of researchers with the realities of professionals engaged in business and public organizations.

#### ■ International Peace and Co-existence Program

This program is based on peace studies, cultural anthropology, political science, legal study, and area studies, with "peace and co-existence" as a common keyword, and aims to acquire specialized knowledge and critical thinking. This is an English-taught program in which students from all over the world study together in Hiroshima, a place that advocates peace.

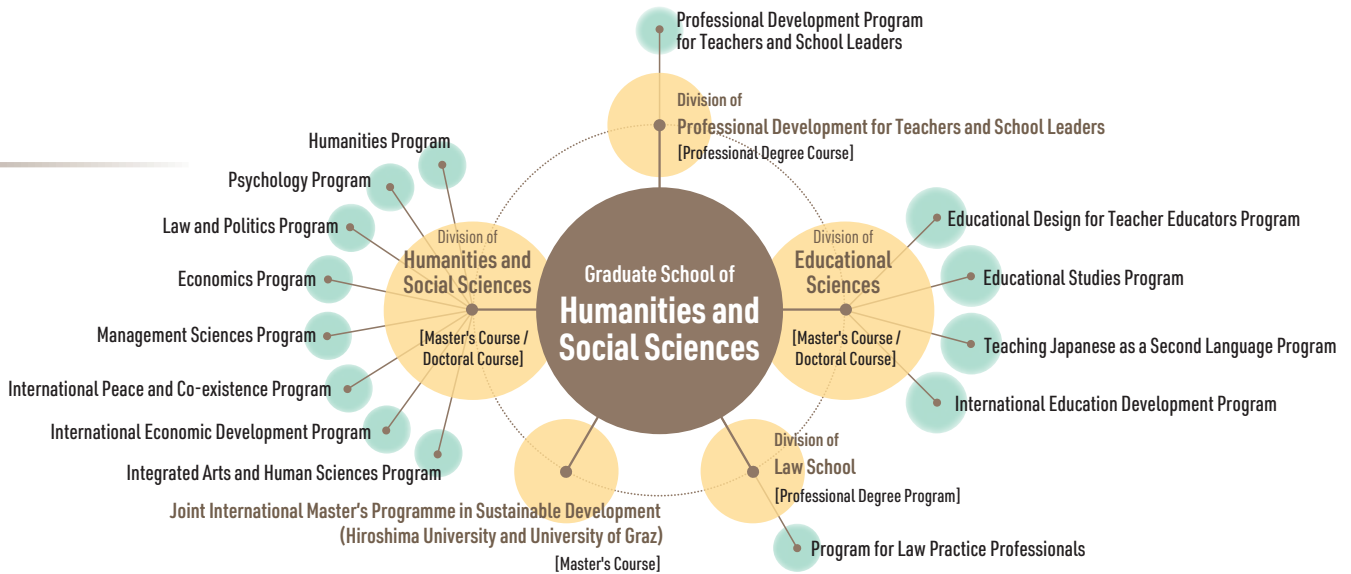
#### ■ International Economic Development Program

Students will learn the latest data science based on "causal inference" and apply it to various problems in society with classmates from 40 countries around the world. "Causal inference" is the latest decision-making science that goes beyond conventional data science including Big Data & AI. It is the scientific literacy that all future young leaders must have in any field.

#### ■ Integrated Arts and Human Sciences Program

The Human Sciences Program provides cross-disciplinary education, enabling students to acquire expertise in specific fields as well as knowledge and methodologies that transcend the boundaries of research fields, and to foster human resources capable of addressing various issues facing contemporary society through collaboration with other fields. Students participate in research projects together with faculty members and develop the ability to utilize their own specialized fields from a broad perspective.





We develop human resources with deep insight into human beings and society, and who will collaborate with experts in other fields, including the natural and life sciences, to create the human society of the future.

## Division of Educational Sciences [Master's Course / Doctoral Course]

### ■ Educational Design for Teacher Educators Program

This program focuses on the place where learning takes place (space), the mechanisms that draw out learning (curriculum, learning materials), and the human resources that support learning (professionals), in order to advance the teaching profession in response to the growing complexity of educational issues, and to cultivate the qualities and abilities of teacher educators who can design the educational vision expected by society.

### ■ Educational Studies Program

This program conducts basic and fundamental research on various educational objectives, contents, methods, organizations, and systems, as well as applied research that contributes to solving various problems in contemporary education, from philosophical, historical, sociological, international, methodological, lifelong learning, institutional, administrative, and management perspectives.

### ■ Teaching Japanese as a Second Language Program

This program fosters researchers in Japanese language education who possess the following abilities. (1) Advanced expertise and research skills in Japanese language education and Japanese language and culture. (2) Play a central role in the construction of a global Japanese language education network. (3) Be able to support those who contribute to the realization of a peaceful society by acting as a bridge between countries.

### ■ International Education Development Program

This program offers a wide range of courses and seminars of education research in Asia and African regions, in pursuit of its ultimate goal of realizing quality lifelong learning society and sustainable education development in developing countries. Moreover, the program aims to cultivate ability to conduct collaborative problem solving through international cooperation with global perspectives and lead the edge of teaching and research activities in educational development with due respect to the local context of the country.

## Division of Professional Development for Teachers and School Leaders

[Master's Course / Doctoral Course]

### ■ Professional Development Program for Teachers and School Leaders

This program aims to nurture teachers as "comprehensive and practical professionals" who are responsible for creating new schools that pursue "inquiry, creativity, and collaborative learning." Through a curriculum that interweaves theory and practice, the program cultivates excellent practical response and practical research skills that can contribute to solving problems at schools and in the local community.

## Division of Law School

[Law School / Professional Degree Course]

### ■ Program for Law Practice Professionals

The Program for Law Practice Professionals cultivates specialized academic knowledge and the ability to effectively apply it, and fosters the skills necessary for advanced professionals, including the ability to make arguments and statements. The program offers courses that enhance the education and expertise needed to examine various issues that arise in modern society from diverse perspectives, and develops highly specialized professionals with a sense of responsibility and sufficient professional ethics.

## Joint International Master's Programme in Sustainable Development

(Hiroshima University and University of Graz)  
 [Master's Course]

This program emphasizes Sustainable Development and aims to train the students, who possess ability to conduct research and engage in practice based on the fundamental principles of international cooperation in development studies through social science approaches, and those who possess excellent communication skills to collaborate with people from diverse backgrounds.

# Advanced Science and Engineering

## Establishment of a Worldwide Research and Education Center Leading Science for Sustainable Development

The Graduate School of Advanced Science and Engineering is established as a flexible education and research organization by reorganizing the existing graduate schools and major courses for science and engineering in Hiroshima University. It consists of two major courses (Division of Advanced Science and Engineering that contains 15 diploma programs, Joint International Master's Programme in Sustainable Development (Hiroshima University and Leipzig University)).

## Academic Degree Program

2 Majors and 15 Programs  
in the Science and Engineering field

### Division of Advanced Science and Engineering [Master's Course / Doctoral Course]

#### ■ Mathematics Program

In the Mathematics Program, students recognize the beauty of mathematics through the specialized education of it, access the results of contemporary research to cultivate their interest and motivation towards research activities, and foster their international sense through reading English literature and communicating internationally. In addition, the Program aims to educate students to obtain not only advanced ability, expertise, and wide knowledge required for research activities in mathematics, but also the capability of application, analysis, evaluation, and integration of the expertise for creative activities.

#### ■ Physics Program

The Physics Program aims to develop human resources who can promote research in astrophysics/astronomy, elementary particle/nuclear physics, condensed matter physics using advanced light sources such as synchrotrons and laser, and synchrotron radiation science with a broad knowledge of physics as well as logical thinking. The Program also aims to develop human resources who can work in international environments and contribute to society by utilizing their educational backgrounds and research experiences in basic science.

#### ■ Earth and Planetary Systems Science Program

The Earth and Planetary Systems Science Program regards various phenomena on Earth and planets as "a system", through observation from microscopic to macroscopic spatial scales. We aim to discover and solve problems in the Earth and planetary systems from the perspectives of both science and society.

#### ■ Chemistry Program

The Chemistry Program aims to educate students to systematically obtain expertise regarding physical chemistry, organic chemistry, and inorganic chemistry to establish their knowledge base of basic chemistry, improve the ability for identifying and solving problems thorough the research activities for elucidating any universal law or basic principle regarding the molecule structure and chemical reaction, and develop the sensibility and general judgment required for exploring the truth.

#### ■ Applied Chemistry Program

The mission of the Applied Chemistry Program is to nurture students as researchers and scientists who can design, synthesize, assemble, characterize, and analyze novel materials at the atomic and/or molecular levels, by teaching interdisciplinary subjects relating chemistry and research activities.

#### ■ Chemical Engineering Program

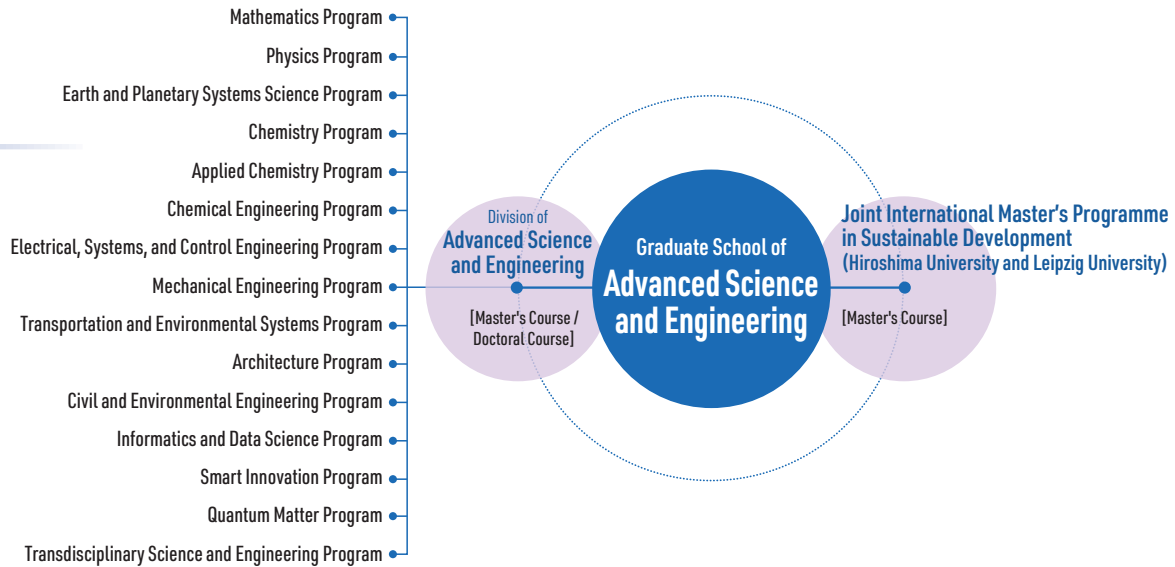
The Chemical Engineering Program aims to contribute to development of a sustainable recycling society in which the problems regarding environment, energy, and resources are solved through the creation of new functional materials and development of an efficient cycle of manufacture, separation, and recycling processes on the basis of knowledge and technology related to transfer, conversion, and circulation of materials and energy.

#### ■ Electrical, Systems, and Control Engineering Program

The Electrical, Systems, and Control Engineering Program aims to develop a methodology for various actual systems such as those for controlling electric energy systems and information processing that compose the important technological foundation supporting the modern society of the information age to contribute to communion with society and harmonic co-existence with the global environment from a global point of view.

#### ■ Mechanical Engineering Program

The Mechanical Engineering Program aims to promote advanced and sophisticated research related to the mechanical engineering, take a leading role for solving problems from a cross-disciplinary point of view, and provide the results of such activities to contribute to the establishment of an affluent and sustainable international multicultural coexistence society.



We nurture human resources who, with advanced expertise in science, engineering, and information science at their core, acquire an integrated understanding of different fields and work to solve society's problems.

### ■ Transportation and Environmental Systems Program

The Transportation and Environmental Systems Program aims to contribute to the international society by comprehensively solving technical problems regarding the transport equipment and distribution system from a broad point of view regarding the global environment protection, developing and establishing technology that contribute to the sustainable development of society, and developing engineers and researchers who can be engaged in such processes.

### ■ Architecture Program

The Architecture Program aims to develop architectural production technology required for rationally realizing and maintaining safety and comfortability of architecture familiar for mankind and cities that are composed of such architecture as well as engineers and researchers who support such development to contribute to development of people's life and society at home and abroad.

### ■ Civil and Environmental Engineering Program

The Civil and Environmental Engineering Program aims to contribute to make the land and region safe, secure, and comfortable to live in through the educations of engineers and researchers in infrastructure. The technologies developed in the program enables design and management of facilities of social infrastructure, mitigation of natural disasters (i.e. earthquakes and floods), maintenance and restoration of natural environments, and the solution of problems regarding the global environment.

### ■ Informatics and Data Science Program

The Informatics and Data Science Program aims to promote the research and development of advanced technology regarding the informatics and data science and develop human resources who continuously try to make progress in a new academic area and can survive the international competition to contribute to society.

### ■ Smart Innovation Program

Smart Innovation Program aims to contribute to the creation of new industries through the development of new smart materials, smart measurement and control systems based on knowledge and technologies related to digital manufacturing technologies such as model-based development and data / signal analysis.

### ■ Quantum Matter Program

The Quantum Matter Program provides education and research in areas related to the physics and electronic engineering including materials science and condensed material physics. That is to say, the education and research in the Program aims to create a material that demonstrates a new quantum phenomenon and reveal the inner state of the material and interaction between it and the external field using experiments and theories based on physics.

### ■ Transdisciplinary Science and Engineering Program

The Transdisciplinary Science and Engineering Program aims to develop a "knowledge-intensive society" by merging the existing academic systems beyond the border among them from a bird's eye view while being based on the core area of expertise such as the natural environment, natural disasters, integrated physics, information system, media, and development technology.

### Joint International Master's Programme in Sustainable Development (Hiroshima University and Leipzig University) [Master's Course]

In order to resolve the pressing regional and global issues related to the SDGs, especially the environmentally-driven development issues caused by the rapid urbanization of developing countries, this program is designed for fostering human resources with an ability to conduct research and engage in practice based on the fundamental principles of sustainable development in environmental studies and by means of science and engineering approaches.

# Integrated Sciences for Life

## Reorganization and integration enable an organic link of increasingly fragmented areas of biology and life sciences

The Graduate School of Integrated Sciences for Life has been established for the promotion of interdisciplinary approaches among fragmented areas of biology and life sciences, within the fields of science, engineering, agriculture, and medicine. We foster and develop human resources who can promptly adapt to ever-changing and developing biological and life science research areas, who can create innovation through a flexible, multidisciplinary approach, and who solve various challenges facing global society, with the bases of deep expertise and understanding in a wide range of fields from the basics to applications.

## Academic Degree Program

**1 Major and 7 Programs**  
in the Biology and Life Sciences field

### Division of Integrated Sciences for Life [Master's Course / Doctoral Course]

#### ■ Program of Biotechnology

The Program of Biotechnology aims to create new knowledge through the merger of bioscience and material science, and thereby accelerate innovation to meet various global social needs, including environmental conservation and remediation, green energy, and health and longevity. This program is designed to produce highly specialized professionals equipped with the ability to elucidate molecular and metabolic functions of various organisms from microorganisms to higher organisms, and also to understand research findings comprehensively and interdisciplinarily through a technical and engineering perspective including collaboration with different research fields, thereby responding to diverse social demands on a global scale flexibly through rapid industrial application.

#### ■ Program of Food and AgriLife Science

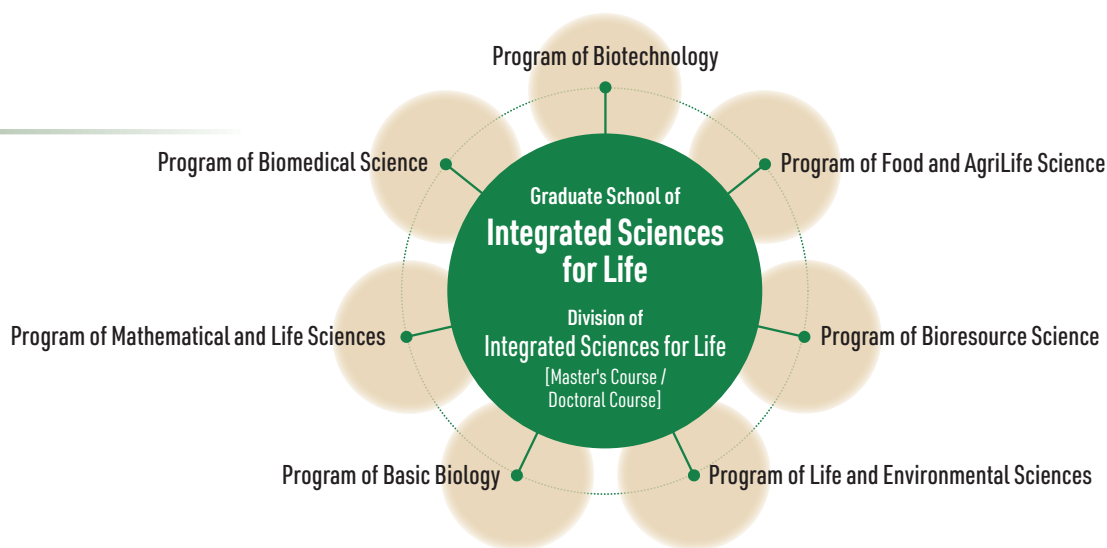
The development of foods superior in safety and functionality requires a holistic and multi-disciplinary approach to basic and applied life science—from food science to molecular biology and environmental science. To create high value-added food products and enable a stable and sustained food supply with an eye toward the biosphere environment, it is necessary to consider food resources from various perspectives—at molecular, cellular, individual and population levels. The Program of Food and AgriLife Science is designed to promote educational and research activities centered on food science and applied life science, and thereby nurture human resources who can play an active role in uncovering the function of beneficial organisms in agriculture, developing such organisms, and controlling their production, so that they can be applied to food development and other aspects of everyday life.

#### ■ Program of Bioresource Science

The Program of Bioresource Science provides educational and research activities with animal & plant sciences and fisheries & oceanographic sciences as the core. The biological resources of farm animals, plants and aquatic organisms are important food sources for human life. To maintain sustainable yields of biological resources, it is imperative to comprehensively understand the intimate relationships between groups of terrestrial and aquatic biological resources, preserve biodiversity, and achieve harmony with nature. This Program offers learning and research opportunities, from a holistic perspective of the biosphere, in the development of functions of biological resources, the elucidation of production mechanisms, and the development of advanced technology, with the aim of training human resources who can play an active role in increasing the production and securing a stable supply of food resources superior in quality and safety, and in promoting the application of biological resources to protect the natural environment and enrich people's lives.

#### ■ Program of Life and Environmental Sciences

The Program of Life and Environmental Sciences features education that encompasses a wide range of basic fields, from the molecular to ecosystem levels, and education in applied life science in general, including agronomics. Furthermore, the Program provides interdisciplinary educational and research activities that bring together the humanities/arts and sciences, beyond the boundaries of life science. Its well-balanced curriculum covers micro systems (molecules, genomes, etc.), complex systems (brain, symbiosis, etc.) and macro systems (ecosystems, the earth's outer atmosphere, etc.). At the same time, the curriculum is designed for students to develop a high level of specialized knowledge and research capabilities in a specific field. Emphasis is also placed on the development of a multidisciplinary perspective (covering the application fields of medicine, agriculture, and life engineering) and a viewpoint towards social implementation. The Program's objective is to train students as researchers, educators, or multidisciplinary leaders who have holistic perspectives and a high level of specialized knowledge and research abilities.



We foster students to have the ability to promptly adapt to the ever-changing and developing biological and life science research areas and to be able to solve various challenges facing global society.

### ■ Program of Basic Biology

The Program of Basic Biology provides various educational and research activities aimed at addressing fundamental issues in biology, by applying the latest technologies (genome information, genome editing, single-cell imaging, nanotechnology, microtechnology, etc.) to various cultured cells, model organisms, and animals and plants that grow wild in the world of nature. Some successful results have already been applied to medical science and industry. The education and research provided by experienced faculty members specializing in these research themes provide students the chance to explore the frontiers of the mysteries of life. This Program is designed to develop human resources equipped with the abilities required to engage seamlessly in fundamental and applied research activities in biology and various other fields.

### ■ Program of Biomedical Science

As Japan is experiencing a “super-aging” society, the demand for advanced medical care continues to rise. In addition, it is greatly expected that the latest findings of basic life science are rapidly applied to the clinical application. In the Program of Biomedical Science, we bring together various faculty members of Hiroshima University and provide basic life science education from a medical perspective. We aim to develop talented persons who can flexibly respond to social demands with the knowledge and practical research skills acquired from a wide range of biological and life science research fields—from basic life science to medical science—and related industrial fields.

### ■ Program of Mathematical and Life Sciences

Recent decades have seen rapid advances in computing and data science, their wide application to other scientific fields, and the progress of quantitative measurement technology in life science. To respond to such advances, it is imperative for the various life science fields to promote collaboration and cooperation with mathematical science. The Program of Mathematical and Life Sciences aims to create a new academic discipline by merging an extensive knowledge of and advanced expertise in life science, molecular science and mathematical science, and to provide learning and research opportunities in this new academic field. By taking full advantage of synergistic interaction with a wide range of life science-related areas, from the basics to application, this Program is committed to bringing innovation to the life sciences and fostering human resources who can pursue the principles governing life phenomena from a universal and analytical perspective.

## HU TOPICS

### Major allergen in chicken eggs eliminated by genome editing (Platinum TALEN) and its safety confirmed.

Using genome editing technology, we have produced an egg without the protein, called ovomucoid, that causes egg white allergies. Chicken egg allergies are one of the most common allergies in children. Though most children outgrow this allergy by age 16, about 30% will still have an egg allergy into adulthood. We will continue to conduct further research toward the practical application of allergy-reduced eggs.



# Biomedical and Health Sciences

## Deepening of fundamental research in the four fields of medicine, dentistry, pharmacy, and health sciences, and collaboration and fusion among these fields

The Graduate School of Biomedical and Health Sciences aims to nurture highly-advanced medical professionals who can take leading roles in advanced team health care, and promote the foremost educational research through deepening basic research, and collaboration / integration between the 4 disciplines: medical sciences, dental sciences, pharmaceutical sciences and health sciences. Furthermore, the School also offers students the opportunity to acquire comprehensive knowledge by the following ways:

- To foster the personnel capable of building a new system for health, medical care and nursing to increase the length of healthy life expectancy in all stages of life
- To reorganize the academic curriculum that provides cross-sectional programs with other research fields for further integration of education / research
- To offer students lectures given by academic instructors beyond the fields, besides profound expertise at their degree courses

## Academic Degree Program

### 2 Majors and 9 Programs

in the Medicine, Dentistry, Pharmacy and Health Sciences field

### Division of Biomedical Sciences [Doctoral Course]

#### ■ Program of Medicine

The program cultivates the following personnel:

Educators / researchers who can acquire comprehensive knowledge and highly-specialized clinical competency, while playing academic • international leadership roles.

Advanced medical professionals who can develop and apply the forefront of medical technologies in response to the demands of the times.

#### ■ Program of Dental Sciences

The program aims to cultivate the following personnel:

Those who can acquire the ability to integrate / develop the field of dental medicine through carrying out advanced basic dental research.

Those who can acquire the ability to develop the advanced dental medicine resulted from clinical application based on the advanced basic dental research, and the ability to widely spread the studies at both local and international levels.

#### ■ Program of Pharmaceutical Sciences

The program aims to cultivate the following personnel:

Those who can make a contribution to the development of clinical pharmacy and pharmacotherapy for Japan through pharmaceutical education / research with profound knowledge on pharmacy.

Those who can take international leaderships in pharmaceutical clinical fields focusing on medical care.

#### ■ Program of Radiation Biology and Medicine

The program aims to cultivate the following personnel:

Those who can conduct advanced and systematic education / research extending from basic research to clinical radiology concerning the effect of radiation on the human body.

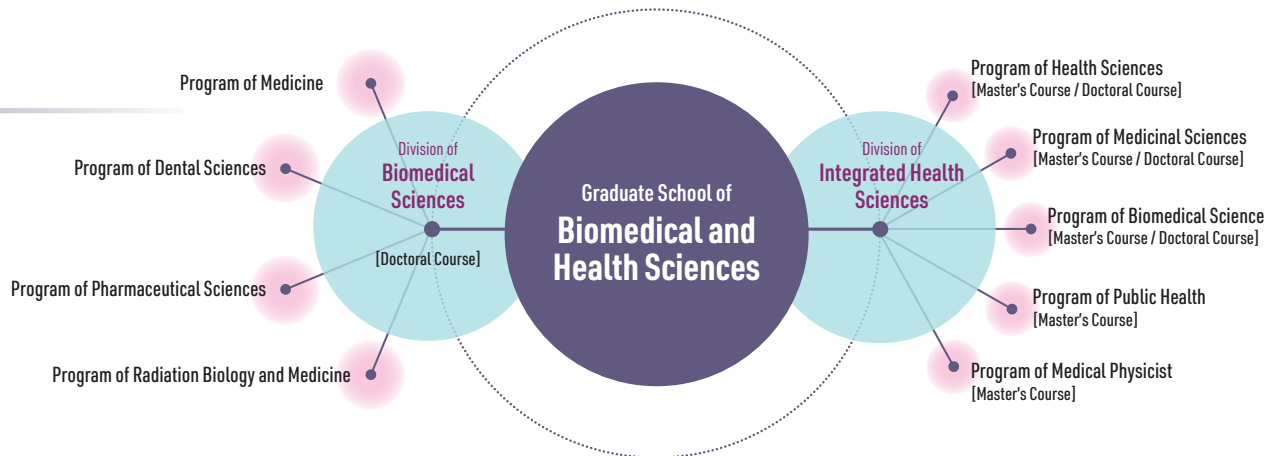
Those who can widely develop the acquired knowledge and technology from the local community to international society.

### HU TOPICS

#### Preventing truck crashes needs to take 'dashcam' approach to driver 'microsleeps'



Truck drivers unintentionally taking 'microsleeps' of a few seconds can cause terrible traffic accidents, but efforts and technologies aiming to prevent the problem have focused mainly on monitoring driver eye activity while missing a host of other key indicators of the problem.



We nurture human resources who possess broad academic knowledge and advanced research skills for advanced team medicine, who are capable of interdisciplinary and international activities, and who contribute to "science that leads to sustainable development".

## Division of Integrated Health Sciences

### ■ Program of Health Sciences [Master's Course / Doctoral Course]

The program aims to cultivate the following personnel:

Nurses, physical therapists, occupational therapists, dental hygienists and dental technicians who can cope with enhanced / diversified health care and management as advanced medical professionals.

Specialists / instructors at health facilities on the above professions.

Educators / researchers at educational research institutions.

### ■ Program of Medicinal Sciences [Master's Course / Doctoral Course]

According to the increased expectation for development of new drugs for public health maintenance, there are problems that cannot be solved in conventional research fields. The program aims to cultivate the personnel who can take leadership roles in extensive disciplines as follows:

Drug discovery and pharmaceutical life sciences researchers pursuing to create innovative drugs.

Educators / researchers who can develop and disseminate medicinal sciences fields.

### ■ Program of Biomedical Science [Master's Course]

The program aims to cultivate the following personnel:

Those who can promote basic / applied biomedical sciences at academic / research institutions on various interdisciplinary fields including biomedical science.

Those who can engage in research development at healthcare companies.

Those who can take leadership roles as medical practitioners with research-oriented minds at health facilities.

### ■ Program of Public Health [Master's Course / Doctoral Course]

The Program of Public Health offers a systematic degree program for the 5 disciplines satisfying international standards, which aims to foster the personnel who can evaluate / implement evidence-based medicine, take major roles in policy evaluation / planning as public health administrators, and contribute to international health.

### ■ Program of Medical Physicist [Master's Course]

The program aims to cultivate the following personnel:

Medical professionals and technologists including medical physicists as highly skilled experts in medical physics who can cope with advancements in enhanced and diversified medicine, dentistry and health sciences at hospitals or health facilities.

Educators and researchers who can contribute to promote medical physics fields at various educational institutions.

Those who can take international leaderships in medical physics.

# Innovation and Practice for Smart Society

## Advanced fusion of cyberspace and physical space Realization of a human-centered society

Through education in cross-disciplinary fields in which all four graduate schools of Hiroshima University closely collaborate and cooperate with each other, we aim to develop cross-disciplinary global human resources who can play a key role of the international expansion of Society 5.0 and the realization of a smart society, which is a human-centered society that integrates the cyberspace and physical space in a sophisticated way, to flexibly respond to social issues among diverse human societies from the range of the entire earth to local communities.

## 6 research fields

### ■ Cyber Physical System

This area of research covers sensing and network technologies that acquire and collect data from the physical world, AI analysis technologies that derive predictions and knowledge from data, and control- and robotics technologies that project these findings into the physical human world, as well as the advancement and social implementation of various cyber-physical systems that meet social demands.

Working toward the realization of smart societies in which cyberspaces and physical spaces are closely linked, this research area addresses topics related to practical scientific approaches in collaboration with other research fields, including AI field image analysis for smart agriculture, transportation infrastructure monitoring in disadvantaged areas, sampling robots for environmental assessments, and human enhancement interfaces for remote rehabilitation.



### ■ Smart Mobility

This research area analyzes AI big data that combines various spatiotemporal realtime information transmitted and collected from moving objects, ranging from cars and public transportation to pedestrians, as well as historical data on driving behavior, traffic jams, CO<sub>2</sub> emissions, accidents, and disasters. It also examines systems and planning for mobility associated with socially optimal solutions for regional economic development and quality of life improvements.

Through interdisciplinary collaboration with other research fields, this research area addresses topics related to practical scientific approaches, including MaaS system development in collaboration with regional medical care, operating sustainable modes of transportation using biofuels, and the development of methods for achieving consensus in policymaking based on traffic flow simulations.



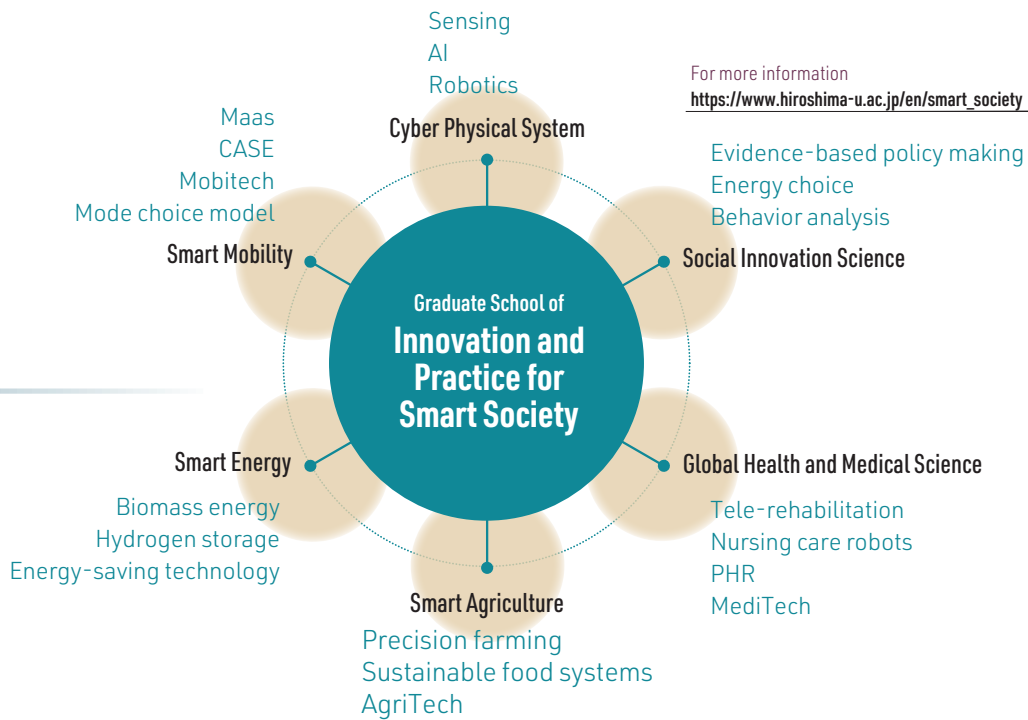
### ■ Smart Energy

This research area covers energy control and planning that can generate socially optimal solutions with the aim of improving regional economic development and quality of life, by improving the efficiency of energy usage systems, converting and storing fluctuating energy, effectively using biomass energy, and understanding energy and environmental issues from a social science perspective, in order to achieve carbon neutrality in terms of energy use.

Through interdisciplinary collaboration with other research fields, this research area addresses topics related to practical scientific approaches, including the development of energy fluctuation absorption systems linked with MaaS systems by electric vehicles, local systems for production and consumption of nitrogen fertilizers linked with solar sharing, and the development of methods for achieving consensus in policymaking based on low environmental impact energy use simulations.







For more information  
[https://www.hiroshima-u.ac.jp/en/smart\\_society](https://www.hiroshima-u.ac.jp/en/smart_society)



Education and research at this graduate school is centered on the six areas of research that have been highlighted as the main research fields for Society 5.0. By linking and integrating these areas, we foster globalized individuals who will be responsible for the realization of a smart society.

### ■ Smart Agriculture

This research area deploys mechanical engineering and robotics technologies to devise new technological systems for food resources, centered on biology and environmental science that incorporates sensors and analytics through information and AI technology. Research in this area specifically develops technologies to facilitate real-time monitoring of livestock and crops in agricultural production, and to increase the production of livestock and crops based on that information. In the context of fisheries, this will involve research to facilitate the sustainable use of marine resources by monitoring and simulating both aquaculture and resource management. In the context of food products, research entails the development of safe food production and foods with health-improving properties.

In addition to the perspectives detailed above, adding socio-economic perspectives to the agricultural field will enable researchers to engage with research topics that can contribute to a vertically integrated understanding of food resources and resolve issues related to sustainable global food production.



### ■ Global Health and Medical Science

This research area examines topics in international medical health related to the concept of Society 5.0 and rooted in the "healthy lives and wellbeing for all" SDG, through collaborations with other research fields.

This research area engages in regional issues with a global perspective, is based on the most recent trends in science and technology, and examines research topics that can contribute to the realization of smart societies, including new medical and health-related policies in other countries, telemedicine and remote rehabilitation using ICT, rehabilitation using robotics based on engineering methodologies, and the use of robotics in social care.



### ■ Social Innovation Science

This research area includes new policymaking, development, implementation, analysis, and evaluation backed by evidence-based policymaking to ensure social innovation, and the implementation of governance on the basis of that research. Research in this area seeks to leverage digital information analysis technologies, such as AI and machine learning, as researchers acquire expertise in immediate and quantitative decision-making science-based methodologies.

This research area addresses topics related to practical science with a strong connection to social innovation, through interdisciplinary collaboration with other research fields and through seeking to change human behavior relating to energy selection and consumption, food resource management, and health maintenance and promotion.



# Special Certificate Programs

## WISE Program (Doctoral Program for World-leading Innovative & Smart Education)

The WISE Program proposed by MEXT is driven by leveraging the unique strengths and capabilities of each university. These universities cultivate outstanding PhD professionals who can steer forward various sectors of society. Concurrently, the program propels the establishment of academically excellent hubs capable of sustainably advancing human resource development to facilitate and generate new joint research initiatives.

## The Frontier Development Program for Genome Editing

(Adopted by the MEXT in AY 2018)

This program was launched in April 2019 and has been implemented as a degree program across several graduate schools. It includes a Life Science Course and a Medical Course, providing students with opportunities to acquire basic and applied knowledge and learn genome editing techniques. The program enables students to master genome editing technologies and apply them directly to the industry.

### Life Science Course (5-year curriculum)

After mastering basic and advanced genome editing technologies, students aim to become experts working with cutting-edge genome editing technologies and shaping their future through foundational courses on the societal implications of these technologies and internships.

### Medical Course (4-year curriculum)

After systematically learning basic and advanced genome editing technologies, students aim to become skilled experts at the forefront of genome editing in the medical field through advanced training at domestic and overseas partner institutes.

For more information  
<https://genome.hiroshima-u.ac.jp/en/>



## Leading Graduate Education Programs

Hiroshima University established interdisciplinary PhD programs covering multiple graduate schools, as part of the graduate school reform, to resolve the complex and pressing problems facing human beings and to contribute to global peace and continuous development. The program is designed to develop global leaders who can create innovative knowledge across disciplines.

## Phoenix Leader Education Program for Renaissance from Radiation Disaster

(Adopted by the MEXT in AY 2011)

The Hiroshima University "Phoenix Leader Education Program (Hiroshima Initiative) for Renaissance from Radiation Disaster" is designed to foster internationally active global leaders (Phoenix Leaders) who can appropriately respond to radiation disasters based on a broad interdisciplinary knowledge base, and who have the judgment and ability to take action to guide recovery based on a clear philosophy.

### Radiation Disaster Medicine Course (4-year curriculum)

This course trains personnel who can 1) evaluate the effects of radiation exposure and its diagnosis and treatment, 2) evaluate the mechanisms of radiation-induced carcinogenesis and genetic effects and their risks, and 3) provide mental care under the stress of radioactive contamination.

### Radioactivity Environmental Protection Course (5-year curriculum)

This course trains personnel who can 1) analyze the scientific properties of fission reactions and products; 2) measure, evaluate, and analyze radioactive contamination in the environment and agricultural, forestry, and marine products; and 3) provide radioactive material decontamination and appropriate treatment and storage of radioactive wastes.

### Radioactivity Social Recovery Course (5-year curriculum)

This course trains personnel who can 1) alleviate social anxiety caused by radiation disasters and harmful rumors, 2) support affected residents in rebuilding their communities, and 3) support a healthy child-rearing environment under the stress of radiation contamination.

For more information  
<https://phoenixprogramlp.hiroshima-u.ac.jp/en/>



# Student Voices



## # 01

- 1st year research student, Graduate School of Humanities and Social Sciences
- Pre-HU: Mzuzu University, Malawi
- Research Theme: Investigating modern and effective methods of developing biology teaching

**Nuka Chimwemwe Kenson** (Malawi)

I am a Malawi government civil service employee at the Ministry of Education. With nine years of experience as a high school biology teacher, I take immense joy in guiding students toward successful careers in science, contributing to our country's self-reliance. To enhance my teaching materials, I chose to study at Hiroshima University. Initially hesitant about studying abroad in Japan, I found a welcoming community and supportive professors at HU. The Japanese language course not only improved my communication skills but also deepened my understanding of the culture. Upon completing my studies, I intend to apply my newfound knowledge in Malawi and inspire fellow international students, especially those from Africa, to consider HU for its transformative educational experience.

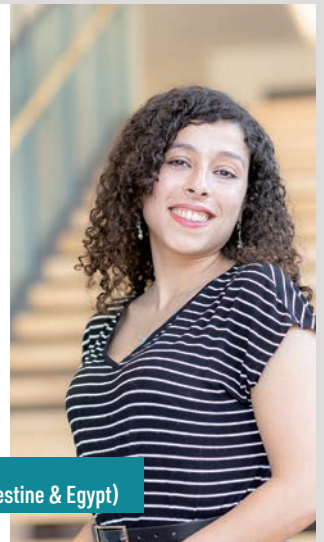


## # 03

- 2nd year, special auditing student, Program of Mechanical Engineering, School of Engineering
- Pre-HU: University of Nevada, Reno, U.S.A
- Research Theme: Fluid Mechanics

**Bond Liam Elliott** (U.S.A.)

Continuing my degree in mechanical engineering, the available courses and assistance provided by Hiroshima University made it a clear choice, being able to challenge myself educationally and enjoy everything that the city of Hiroshima has to offer. I am happy to have experienced the Japanese and international cultures brought to Hiroshima University through many of my classmates and lifelong friends I made along the way. The student life present on campus makes me feel at home, seeing all of the smiling faces and participating in various sports and social clubs at Hiroshima University. My study abroad experience at Hiroshima University has encouraged me to consider spending more time in Japan and pursuing a future within the country. This includes the possibility of a career involving Japan or maintaining a meaningful, long-lasting connection.

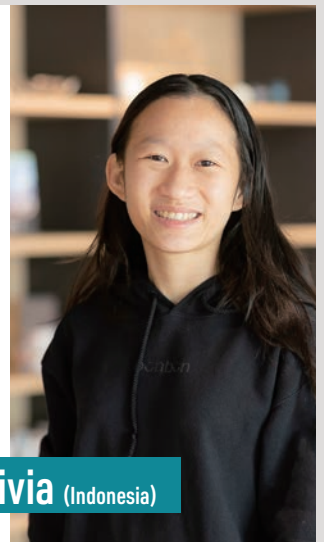


## # 02

- 1st year master's course, International Education Development Program, Graduate School of Humanities and Social Sciences
- Pre-HU: Cairo University, Egypt
- Research Theme: Comparative Case Study between Egypt and Japan's Inclusive Education: Recognizing Challenges Teachers Face

**Yasmin Elmoghir** (Palestine & Egypt)

When deciding on my exchange program destination for my master's degree, Hiroshima University stood out for two key reasons. Firstly, the comprehensive study program captured my attention. After meticulously reviewing the master's degree curriculum and examining every subject, I found Hiroshima University's offerings to be superior to those of other universities in the country. Secondly, the expertise of the teaching staff was unparalleled. In my quest to specialize in inclusive education, I couldn't find a professor as specialized and dedicated as those at Hiroshima University. I consider myself fortunate to be under the mentorship of my current supervisor, Kawai Sensei, who has been instrumental in guiding my research journey. Additionally, Hiroshima University boasts a vibrant international community, fostering easy friendships and making daily life here enjoyable. This supportive environment further solidified my decision to pursue my academic endeavors here.



## # 04

- 3rd year bachelor course, Department of Integrated Global Studies, School of Integrated Arts and Sciences
- Research Theme: Environmental Economics Studies

**Yughie Yuniar Alvadiva** (Indonesia)

Hiroshima University, especially IGS, is a great place to study. I have learned in an international environment with Japanese and international students, allowing me to learn about the country while gaining perspectives from different cultures. The support for international students is also well-prepared, including the dormitory, student support system, international events, and the Student Support Office. The main Higashi-Hiroshima Campus is rich in nature, providing a relaxing environment to study and explore. Studying at Hiroshima University has also encouraged us to reflect more deeply on international peace, considering Hiroshima's historical background. Since one of my goals is to become a bridge between Japan and Indonesia, it's valuable to think from both perspectives.

# Research Facilities

## Research Institute for Nanodevices

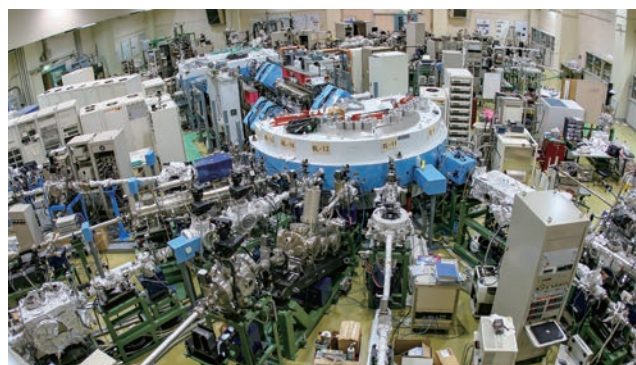
The Research Institute for Nanodevices strives to advance and integrate research in semiconductor nanotechnology and biotechnology and promote the development of express polyspecimen diagnostic systems for biomolecules and microscopic organisms on silicon devices. With the intention of realizing a society with advanced medical care and welfare based on these foundations, this Institute aims to build a hub for expanding its nanobiology and medical engineering research to realize ubiquitous diagnosis, early diagnosis of diseases, and preventive medicine, and to train the necessary personnel.



Experiment in our super-clean room

## Hiroshima Synchrotron Radiation Center

Through a series of discussions by the University Science Council, the Hiroshima Synchrotron Radiation Center (HiSOR; Hiroshima Synchrotron Orbital Radiation) was established in 1996 as an interdepartmental shared educational research facility to conduct synchrotron radiation research in the vacuum ultraviolet soft X-ray range and to promote human resource development. In 2002, the center reopened as a national shared-use research facility. Since then, it has been open to researchers from all over Japan and has promoted collaborative studies involving Japanese and overseas researchers.



Experiment Hall

## Hiroshima Astrophysical Science Center

The Hiroshima University Hiroshima Astrophysical Science Center, established in 2004, is a collaborative research facility focused on cutting-edge observational astronomy linked with high-energy satellites. Its centerpiece is the 1.5-meter KANATA optical-infrared telescope, transferred from the National Astronomical Observatory of Japan. With the support of the Higashi-Hiroshima City Government and the National Astronomical Observatory, they built the Higashi-Hiroshima Observatory. In April 2006, Kanata moved there, and full-fledged observations began in October 2006, marking significant progress in developing their research infrastructure.



1.5-m Optical Telescope KANATA (left, upper right) / Higashi-Hiroshima Observatory (lower right)

## Research Facilities at Hiroshima University

### Attached Research Institute

- Research Institute for Radiation Biology and Medicine

### Joint Education and Research Facilities on Campus

- Research Institute for Nanodevices
- Research Institute for Higher Education
- Information Media Center
- Natural Science Center for Basic Research and Development
- Morito Institute of Global Higher Education

- Health Service Center
- The Center for Peace
- Environmental Research and Management Center
- Hiroshima University Museum
- Beijing Research Center
- Hiroshima Astrophysical Science Center
- Institute for Foreign Language Research and Education
- Hiroshima University Archives
- Institute of Sport
- HiSIM\* Research Center

Hiroshima University possesses diverse and unique research facilities that enhance its research activities. These facilities closely collaborate with the research initiatives of the Graduate School, contributing to the development of world-class research.

For more information  
<https://www.hiroshima-u.ac.jp/en/centers>



## Amphibian Research Center

The Institute is unique worldwide as a facility capable of stable breeding and maintenance of amphibians, which offer a range of advantages as experimental animals. Leveraging this unique feature, the Institute is at the forefront of pioneering research in development, inheritance and evolution. Currently, the Institute houses several amphibian species, including wild, mutant, genetically modified, and endangered ones. In addition, efforts are underway to standardize inbred strains of the tropical clawed frog (*Silurana tropicalis*) as a model amphibian species. The Institute is actively working to become a global hub for amphibian research through these initiatives.



Frog species in the Institute

## Robotic Surgical Systems hinotori™ and da Vinci

Hiroshima University Hospital has introduced Japan's first surgical robot system, hinotori™, which has eight moving axes that act as joints and four arms for attaching medical instruments such as endoscopic cameras and forceps. HU Hospital is the fifth institution in Japan to perform robotic-assisted surgery with the hinotori™ system. In addition, HU Hospital has deployed two U.S.-made da Vinci surgical systems to perform robotic-assisted surgery for prostate, kidney, and bladder cancers. The hospital is gradually expanding its surgical service capacity to include gastric and esophageal cancers and introduced the hinotori™ as the third unit.



Surgeries performed with the hinotori™ Surgical Robot System (left, upper right) and the da Vinci Surgical System (lower right)

## Training and Research Vessel TOYOSHIO MARU

The TOYOSHIO MARU is a vessel designed primarily for training and academic research for both undergraduate students at the School of Applied Biological Science and postgraduate students at the Graduate School of Integrated Sciences for Life, Hiroshima University. Equipped with state-of-the-art electronic and scientific instruments, including advanced fishing and sampling gears, it provides an ideal environment for studying oceanographic conditions. The vessel actively collaborates with universities and related institutions in the Seto Inland Sea region. This pursuit is particularly significant as Hiroshima University has vessels of this size capable of conducting in-depth research in the Seto Inland Sea region.



The vessel TOYOSHIO MARU

- Research Center for Diversity and Inclusion
- Amphibian Research Center
- Translational Research Center
- Resilience Research Center
- Center for Brain, Mind and KANSEI Sciences Research
- Hiroshima University Genome Editing Innovation Center
- Hiroshima University Digital Monozukuri (Manufacturing) Education and Research Center
- Education and Research Center for Artificial Intelligence and Data Innovation

- The IDEC Institute
- Academic-Environment Social Governance Science and Technology Research Center
- Town & Gown Institute of Innovation for the Future

\*HiSIM (Hiroshima-University STARC IGFET Model) is a transistor model used in circuit design that has been developed by Hiroshima University in collaboration with the Semiconductor Technology Academic Research Center (STARC).

### National Joint Usage Facilities

- Hiroshima Synchrotron Radiation Center

# Graduate School Admissions

The Graduate School offers two main programs: one for Master's Degrees and another for Doctoral Degrees. Furthermore, applicants interested in a specific research subject may be admitted as research students (non-degree programs). Before applying to these programs, they must contact potential supervisors and obtain their informal acceptance.

# 1

6 months prior to the application deadline

## Preparation before IAAS\* Registration



- Collect information about the Graduate School you wish to attend
- Review Admissions Guide for international applicants
- Search for information on the Hiroshima University website, identify a potential supervisor, and decide on the desired program

\*IAAS: Online support system operated by IAO. IAO is a contact point for applicants wishing to study at Hiroshima University



### See Researcher Directory and HU Graduate Schools List

#### ● Researcher Directory

→ <https://www.guidebook.hiroshima-u.ac.jp/en>



Enter some keywords related to your research field and click the Search button.

#### ● HU Graduate School List

→ <https://www.hiroshima-u.ac.jp/en/schools/graduate>



# 2

3 months prior to the application deadline

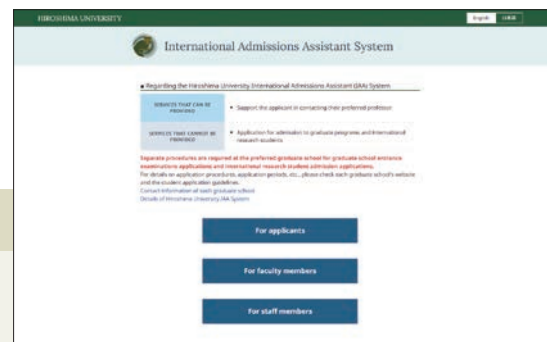
## IAAS Registration



Register for an account on IAAS, enter the required information on IAAS, including your desired program and potential supervisor, and upload the required documents. Some graduate schools and programs do not require IAAS registration, so please check with the IAO first ([iao-contact@hiroshima-u.ac.jp](mailto:iao-contact@hiroshima-u.ac.jp)).

### IAAS Registration

<https://www.iao.hiroshima-u.ac.jp/>



### Documents Required for IAAS Submission

- 1 Statement of Purpose (SOP) or Research proposal
- 2 Curriculum Vitae (free format)
- 3 Passport-sized photograph
- 4 Academic transcript
- 5 Certificate of Graduation (Completion) (or Certificate of Expected Graduation (Completion))
- 6 Proof of Language Proficiency (such as TOEFL, TOEIC, IELTS for English, or JLPT for Japanese)

# 3

— After submission of documents

## Notification of results from IAO / Contact a potential supervisor



IAO will send the result of the 'Pre-Application Contact Approval' (within approximately 2-4 weeks). If it is 'Approved,' please contact your potential supervisor directly to obtain informal acceptance.

# 4

— After contacting your potential supervisor

## Notification of Application Approval/Rejection from IAO



IAO will send a notification of application approval/rejection. If accepted as a research student and given permission to apply as a regular graduate student, you will receive an 'Approval Number'.

# 5

## Application

Start online application according to the application guidelines of your desired program. If you do not need to register with the IAAS and contact the support office or potential supervisor, there is no requirement to enter the 'Approval Number'.



### Online Application

**April admission** ▶ Apply by November of the previous year  
**October admission** ▶ Apply by May of the year of admission

<https://www.webshutsugan.com/hiroshima-u-en/portal/top/>



### Non-Degree Programs

Apply to be a  
Research Student

— After Document Screening

Accepted as a  
Research Student

### Graduate Degree Programs

Apply to be a  
Regular Graduate Student

— After Entrance Examination

Accepted as a  
Regular Graduate Student

Most graduate school applicants begin as research students at the University. During this time, they prepare for the entrance exams of their desired graduate schools while continuing to conduct research in their respective fields. The standard period of study as a research student is 6 to 12 months, with the possibility of extension if necessary.

# Fees and Scholarships

## Enrollment Expenses

### Tuition and Fees

Expenses for studying in Hiroshima University

(As of April 2023, in Japanese yen)

Status		Application Fee	Enrollment Fee	Tuition
Undergraduate Student		17,000	282,000	535,800 (per year)
Graduate Student	Master's Program	30,000	282,000	535,800 (per year)
	Doctoral Program	30,000	282,000	535,800 (per year)
Research Student (Non-Degree) *		9,800	84,600	[Research Fees] 29,700 (per month)

(In the event that tuition fees are revised, outstanding fees must be paid at the revised rate.)

Research fees must be paid in a lump sum within 6 months. If the research fee is not paid within 3 months of admission, the research student's admission will be cancelled.

### Exemption/Deferment System

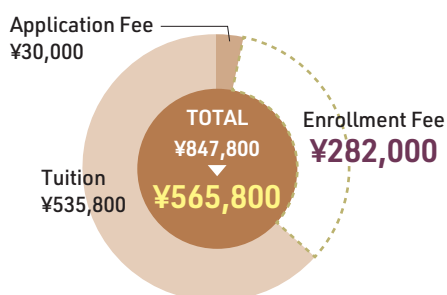
System	Enrollment Fee Exemption/Deferment	Tuition Fee Exemption
Eligible Person	Students with financial difficulties who are unable to pay enrollment fees (*Research students are not eligible for exemption.)	Students with financial difficulties who are unable to pay tuition fees (*Research students are not eligible for exemption.)
Details	Exemptions from enrollment fees or deferral of enrollment fee payment.	Exemption from paying all or part of tuition fees

For more information

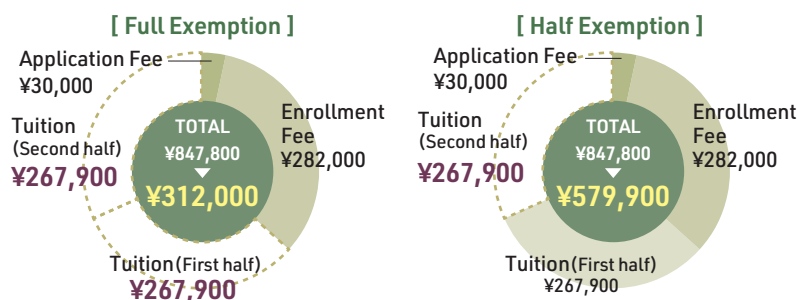
<https://momiji.hiroshima-u.ac.jp/momiji-top/en/life/financial.html>



#### Enrollment Fee Exemption/Deferment



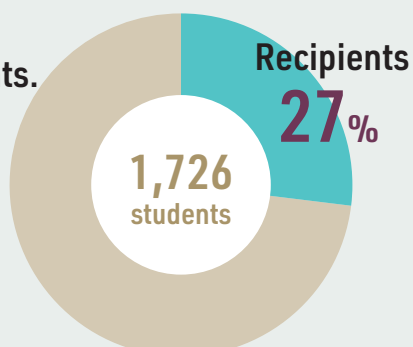
#### Tuition Fee Exemption



### Scholarship Recipients

HU has many scholarship recipients.

At Hiroshima University, 27 percent of international students receive scholarships.



#### HU Scholarship

##### Elahe Nassr (Iran)

2nd year of Integrated Arts and Human Sciences Program student  
Graduate School of Humanities & Social Sciences



During my undergraduate course, amidst many remarkable opportunities, I was most fascinated by the faculty's expertise, motivating me to pursue further research in my master's program under their mentorship. My advisors have consistently demonstrated exceptional support and openness, not only shaping my academic path but also nurturing my creative pursuits. Hiroshima University stands out for its unique ability to foster my passions. The encouragement I've received here has strengthened my commitment to pursue my research and creative endeavors wholeheartedly.



# Scholarship System for International Students

Outlined below are the primary categories of scholarships offered to international students. It is strongly recommended to secure adequate funding prior to your arrival in Japan, as the allocation of grants is limited.

## Hiroshima University's Scholarship Programs

Hiroshima University offers some special scholarship programs for international students.

	HU International Students Support Fund	Excellent Student Scholarship Program	Prior to Admission Scholarship Program (HU-PASP)
<b>Details</b>	Donations to the International Student Support Fund will be awarded in the form of Meal Cards for One Year	Hiroshima University's scholarship program for outstanding graduate students in academic record and activities.	Scholarship recipients are selected from students enrolled in the pre-arrival admissions system*. *A system in which students can take the entrance exams outside of Japan
<b>Contents of Awards</b>	Stipend Amount: 132,000 yen equivalent per year Duration: 1 year Number of Grantees: 12 recipients	Certificate of Commendation Souvenir Gift Full Exemption of Tuition Fees for Fall Semester	Monthly Stipend: 50,000 yen Grant: Tuition Fees Exemption Duration: 1 year Number of Grantees: 4 recipients

## Japanese Government (MEXT) Scholarships

There are two different categories for the Japanese Government Scholarship: embassy recommendation or university recommendation

	Embassy Recommendation	University Recommendation
<b>Details</b>	On behalf of the Ministry of Education, Culture, Sports, Science and Technology (MEXT), Japanese Embassies abroad make announcements regarding applications for MEXT scholarships. They also conduct the preliminary screening of applicants based on documents received, written tests, and interviews. On the basis of recommendations by Japanese embassies, MEXT makes the final selection of scholarship recipients.	Prospective international students: The university recommends to MEXT a certain number of outstanding students from abroad. MEXT is responsible for the final selection of scholarship recipients.
<b>Inquiry</b>	Your nearest Japanese Embassy	Support office of your desired school/graduate school (on page 33)

## Scholarships from Private Organizations

About 40 private organizations provide scholarships to privately funded international students, benefiting approximately 180 students annually. These scholarships are exclusively available for self-funded students currently enrolled at Hiroshima University. Prospective students seeking admission to the university are not eligible to apply for these scholarships. To apply for this type of scholarship, interested students must follow the application guidelines provided by each respective organization.

### Outline of Application for Scholarships Offered by Private Organizations

- **Eligibility:** "Student" status of residence. Additional requirements vary by organization.
- **Duration:** Scholarships range from one year to a standardized number of years necessary to complete a course of study.
- **Monthly Amount:** Scholarships vary from 20,000 yen to 200,000 yen.
- **Application Period:** Applications are accepted from July of the previous year until June of the year you intend to receive the scholarship.

For more information

<https://momiji.hiroshima-u.ac.jp/momiji-top/en/international/privatelyfunded.html>



For more information

[https://www.jasso.go.jp/en/ryugaku/scholarship\\_j/index.html](https://www.jasso.go.jp/en/ryugaku/scholarship_j/index.html)



### MEXT Scholarship

#### Ikram Rana (Pakistan)



3rd year of Chemical Engineering Course student  
Graduate School of Advanced Science Engineering

After completing my Master's degree in China, I chose Hiroshima University for my Ph.D. studies due to its outstanding research reputation in my field. During my time here, I discovered it to be an ideal place not only for academic pursuits but also for its diverse and multicultural environment. The faculty at Hiroshima University is incredibly supportive, guiding students not only in their studies but also in shaping their future careers. As I am nearing the completion of my PhD at Hiroshima University, I have made the decision to continue my work in the same department for the foreseeable future.

### Private Scholarship

#### Pratiwi Tri Utami (Indonesia)



3rd year of International Education Development  
Program student  
Graduate School of Humanities and Social Sciences

Becoming a private student in Japan was difficult. Fortunately, Hiroshima University (HU) supports the students with scholarships, which motivated me to continue my Ph.D. directly at HU. I received support and funding from HU and private foundation scholarships, i.e., JASSO, Excellent-Student Scholarship, Yahata, Kumahira, and tuition and admission waivers. Now, I am receiving the Next-Generation Fellowship, which funds my studies and research. Studying at HU provides excellent experiences to accelerate my academic skills as a researcher and scholar.

# Student Life

## Accommodation

Hiroshima University operates the HU International House and HU Ikenoue Student Dormitory, which provide student housing. Please note that accommodation options are limited, and as a result, more than half of our international students choose to reside in private apartments.

(in Japanese yen)

	Room Type / Room		Duration	Number Available	Monthly Rent	Utility Costs - Laundry room usage fee	Common House Expenses	Shared Facilities / Security Deposit
<b>University Dorms</b>								
<b>The Hiroshima University International House</b>	Single (Bldg. A)	Western-style 1K (13.3m <sup>2</sup> )	Up to 1 year	60 rooms	5,900	2,000	2,500	—
	Married Couple (Bldg. B)	Western-style 1DK(44.5m <sup>2</sup> )		5 rooms	9,500	—	2,800	—
	Family (Bldg. B)	Western-style 2DK (57.5m <sup>2</sup> )		5 rooms	14,200	—	3,100	—
<b>Ikenoue Student Dormitory</b>	TYPE-A Men's Dorms	Western-style (10m <sup>2</sup> )		292 rooms (64 for Int'l Students)	7,500	About 10,000	1,900	Multipurpose room, Laundry room, Shower facilities, Western-style toilet
	TYPE-B Men's Dorms	Western-style (12m <sup>2</sup> )		100 rooms (50 for Int'l Students)	4,700	About 10,000	2,000	Lounge, Multipurpose room, Laundry rooms, Dining room, Shower facilities (1 on each floor)
	TYPE-C New Student's Dorms	Western-style (14m <sup>2</sup> )		100 rooms (51 for Int'l Students)	15,000	About 10,000	1,200	Multipurpose room, Laundry rooms
	TYPE-D Women's Dorms	Western-style (12m <sup>2</sup> )		200 rooms (55 for Int'l Students)	4,700	About 10,000	2,000	Lounge, Multipurpose room, Laundry rooms, Dining room, Shower facilities (1 on each floor)
<b>Phoenix International Center MIRAI CREA</b>	Western-style 1K (16.7m <sup>2</sup> )		1 week ~ 1 year	34 rooms	40,000	14,000*1	—	Mail box, Delivery locker, Washing machine, Dryer, Vacuum cleaner
<b>Public Housing Off-Campus</b>								
<b>Sun Square Higashi-Hiroshima</b>	Single	Western-style 1K(17.46m <sup>2</sup> )	1 ~ 4 years	90 rooms	20,000	—	3,500	Security deposit 40,000 Bedpad and sheets fee 6,000 Laundry room, Salon room
	Family A (standard room)	Western-style 1K(35.31m <sup>2</sup> )		20 rooms	35,000	—	4,500	Security deposit 70,000 Bedpad and sheets fee 9,000 Laundry room, Salon room
	Family A (separated bath and toilet room)	Western-style 1K(34.83m <sup>2</sup> )		9 rooms	35,000	—	4,500	Security deposit 70,000 Bedpad and sheets fee 9,000 Laundry room, Salon room
	Family B (large room)	Western-style 1K(52.83m <sup>2</sup> )		2 rooms	42,800	—	4,500	Security deposit 85,600 Bedpad and sheets fee 9,000 Laundry room, Salon room
<b>Hiroshima International Plaza Global Relations Program (GRP)</b>	Single	Western-style (19m <sup>2</sup> )	1 ~ 2 years	19 rooms	24,950 ~27,350	2,550		Kitchen
<b>Hiroshima City International House*2</b>	Single	Western-style (19.05m <sup>2</sup> )	Up to 2 years	80 rooms	26,000	—	—	—
	Family	Western-style (39.51m <sup>2</sup> )		20 rooms	36,000	—	—	—

The water, electricity, and gas charges for the above-mentioned facilities are to be paid by the students themselves at the actual cost.

(\*1) However, exceptions exist, such as the Phoenix International Center MIRAI CREA, where the water, electricity, and gas charges are a fixed flat rate of 10,000 yen.

Regarding the accommodations mentioned above, please note that some accommodations may have a screening process or requirements for occupancy.

(\*2 Regarding the Hiroshima City International House accommodation information, please check the following URL. <https://i-house-hiroshima.jp/>)

### Other Accommodations

#### Recommended Apartments for International Students by Hiroshima University

Hiroshima University designates several apartments as suitable for international students. The housing fee ranges from approx. ¥17,000 to ¥31,000 (per month). Residents of these apartments can receive daily support from the Hiroshima University Co-op in English and Japanese.

#### Affiliated Accommodation

Hiroshima University has partnered with the following dormitories to promote exchanges between Japanese and international students, and residents of these dormitories can eat together and participate in exchange events. Through these events, they can interact and deepen their friendships. College Court Hiroshimadaigaku Kita / College Court Hiroshimadaigaku Mae / Dormy Higashi Hiroshima

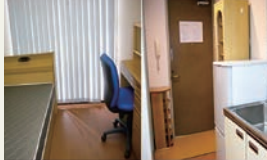
#### Private Apartments

●Higashi-Hiroshima City: Most rooms include a kitchen, toilet and bathroom; rents range from ¥20,000 to ¥50,000 per month.

●Hiroshima City: Completely unfurnished rooms and rooms with bathrooms, kitchens, and bathrooms are available. Rent depends on the size of the room, facilities, etc. (ranges from ¥30,000 to ¥80,000 per month)

It is customary in Japan to pay key money, security deposit, broker's commission, and several months' rent in advance when signing the lease. We advise you to bring at least 4 to 6 months' rent when you finalize the contract.

### The Hiroshima University International House



### Ikenoue Student Dormitory



### Phoenix International Center MIRAI CREA



### Sun Square Higashi-Hiroshima



### Hiroshima International Plaza Global Relations Program (GRP)



### Hiroshima City International House



## Living Expenses

The average monthly living expenses (including school expenses) of international students are as follows:

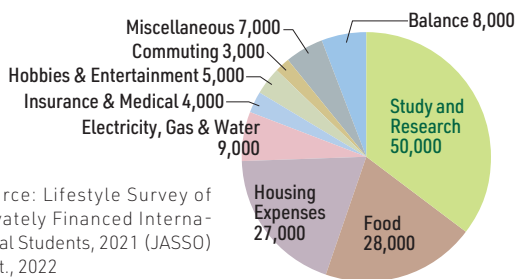
### Average monthly expenses of international students by region

Region	Kanto (Tokyo etc.)	Kinki (Osaka etc.)	Chugoku (Hiroshima etc.)	National Average
Monthly expenses (Higher education institution)	174,000	156,000	<b>142,000</b>	158,000

(in Japanese yen)

### Average monthly expenses (Itemized list of Chugoku Region)

(in Japanese yen)



Source: Lifestyle Survey of Privately Financed International Students, 2021 (JASSO) Sept., 2022

### Cafeterias

The HU Campus boasts 12 cafeterias and coffee shops, two of which offer a Halal menu.



## Other Support

### Everyday Life and Study Support

#### ● Tutor System

Tutors offer support for various aspects of student life, including academic challenges and daily issues.

#### ● Peer Support Room

The counseling room, operated by students, provides a supportive environment where you can discuss your questions and concerns about student life.

#### ● Accessibility Center

This center is dedicated to assisting students with disabilities in their academic pursuits.

### Health Support

#### ● Health Service Center

The Hiroshima University Health Service Center is an on-campus facility providing specialized physical and mental health services to students and faculty, focusing on holistic well-being through its departments.

##### Support Examples

- ▶ Physical and mental health consulting
- ▶ First aid
- ▶ Health checkup

### Language Support

#### ● Morito Institute of Global Higher Education

This institute provides international students with education in Japanese language, culture, and society studies.

##### Course Examples

- ▶ Japanese language Japanese affairs
- ▶ Japanese language and culture studies program
- ▶ Japanese language preparatory education
- ▶ Special additional Japanese language classes and the additional short-term intensive Japanese learning course

# Overseas Networks

At Hiroshima University, the world becomes your campus.

As a hub for international education and research, HU has established exchange agreements with partner institutions globally, drawing students from diverse corners of the world.

## International Exchange Agreements (As of May 1, 2023)

### Between-universities

**400** agreements signed with **354** institutions  
in **56** countries / regions



Signing an inter-university agreement with the University of Parma, Italy (October, 2019)

### Between-divisions

**412** agreements signed with **374** institutions  
in **55** countries / regions



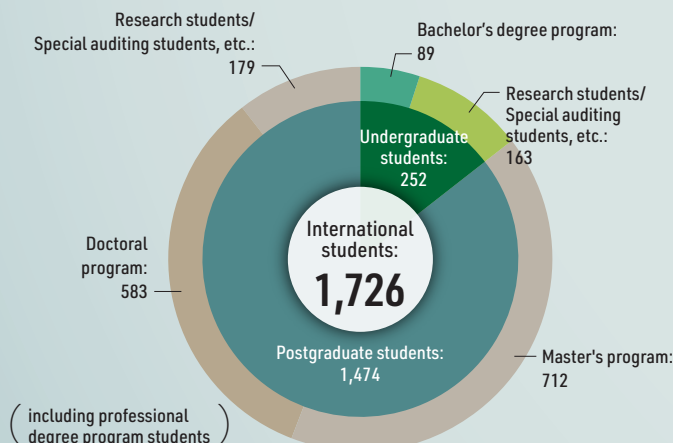
Opening of the Hiroshima University Munster Center (May, 2019)

### North America

**12** international students  
**23** international exchange agreement institutions (university-level)

## International Students (As of May 1, 2023)

**1,726** students from **85** countries / regions



### Latin America

**29** international students  
**13** international exchange agreement institutions (university-level)  
**3** overseas bases

# Overseas Bases (As of May 1, 2023)

# 23 bases in 15 countries / regions

## Asia

### Cambodia

- 13 Cambodia MoEYS-Hiroshima University Collaboration Center

### China

- 1 Hiroshima University Beijing Research Center
- 5 Hiroshima University-Shanghai Normal University Collaboration Research Center
- 17 Hiroshima University-Yanshan University Language and Culture Research Center
- 20 Hiroshima University International Education Exchange Center
- 21 Hiroshima University-Changchun University Special Needs Education Research Center

### Indonesia

- 7 Hiroshima University Bandung Center
- 10 PERSADA-HU Collaboration Project Center

### Korea

- 8 Hiroshima University Korea Center

### Mongolia

- 18 Hiroshima University Mongolia Research Center

### Myanmar

- 12 Hiroshima University Myanmar Center

### Taiwan

- 9 Hiroshima University Taiwan Research Center

### Vietnam

- 6 Hiroshima University Vietnam Center

## Europe

### Germany

- 16 Hiroshima University Saarland Center
- 19 Hiroshima University Munster Center

### Lithuania

- 15 Hiroshima University Lithuania Center

### Russia

- 2 Hiroshima University Representative Office at Tomsk State Pedagogical University

## Africa

### Egypt

- 1 Hiroshima University Cairo Center
- 23 Hiroshima University-Galala University Peace Memorial Center

### Kenya

- 3 KU-HU Collaboration Resource Center at Kenyatta University

## Latin America

### Brazil

- 4 Hiroshima University Brazil Center

### Mexico

- 14 Hiroshima University Guanajuato Center
- 22 Hiroshima University Mexico Center

## Asia

**1,506** international students  
**228** international exchange agreement institutions (university-level)  
**13** overseas bases

## Europe

**53** international students  
**61** international exchange agreement institutions (university-level)  
**4** overseas bases

## The Middle East

**38** international students  
**5** international exchange agreement institutions (university-level)

## Africa

**80** international students  
**19** international exchange agreement institutions (university-level)  
**3** overseas bases

## Oceania

**8** international students  
**5** international exchange agreement institutions (university-level)



# HU

# Campus Guide

## Higashi-Hiroshima Campus Higashi-Hiroshima City

- School of Integrated Arts and Sciences
- School of Letters
- School of Education
- School of Economics
- School of Science
- School of Engineering
- School of Applied Biological Science
- School of Informatics and Data Science

The Higashi-Hiroshima Campus, spanning approximately 2.5 million square meters, is located in Higashi-Hiroshima City at the center of Hiroshima Prefecture. It serves as the main campus of Hiroshima University and is home to eight undergraduate schools and four graduate schools, including the School of Integrated Arts and Sciences.




Welcome to our university,  
surrounded by lush gardens  
and proudly ranking among  
Japan's largest national  
universities in terms of  
campus size.

Visit the official HU website to see the exact locations of the buildings.

**Hiroshima University website**

Directions ▶ Higashi-Hiroshima campus ▶

Campus map ▶ Detailed campus maps by area >>>



Hiroshima University has three campuses (Higashi-Hiroshima, Kasumi, and Higashi-Senda). In addition to undergraduate and graduate school buildings, the campuses consist of five libraries, various other experimental and research facilities, and cultural and sports facilities, which provide a wide range of cutting-edge educational and research activities.

## Libraries

The Hiroshima University Library comprises five libraries and holds approximately 3.44 million volumes in total, one of the largest university collections in Japan. The Central Library is equipped with an automated retrieval system, in which books can be accessed by computer operation. A collection of school textbooks, from the Edo period to the present, and many other valuable materials are also stored at the libraries.

### Higashi-Hiroshima Libraries Outline (as of 2022)

Library	Surface area	No. of seats for reading	No. of volumes	Main categories in the collection
Central Library	16,053m <sup>2</sup>	992 seats	Approx. 2.29 million	Books and periodicals in the fields of education, other human and social sciences, and natural sciences
East Library	1,745m <sup>2</sup>	29 seats	Approx. 0.25 million	Books and periodicals in the fields of engineering, biology, and other natural sciences
West Library	6,102m <sup>2</sup>	882 seats	Approx. 0.64 million	General books, study guides, periodicals in all subjects and books on natural sciences

### Databases and Services

The libraries have databases for newspaper and magazine article research and other purposes. Audiovisual materials, including movies, music, and language-learning software, are available in the libraries. The library staff is ready to assist visitors in locating materials and information necessary for their studies and research.

### Learning Support Space, BIBLA

The libraries offer free spaces for student activities such as group work, discussion and presentation preparation, and independent study using the Internet (Wi-Fi). Mobile whiteboards are available for free use, and spacious tables are ideal for spreading out books and documents.

### Writing Center

Writing Center is where students can go for help with academic writing as they prepare class projects, term papers, and the like. Graduate students who have received specialized training in writing instruction serve as tutors and use dialogue, brainstorming, and other techniques to help writers improve their writing. Academic writing assistance in English is also available.

### Special Collections

The Central Library houses special collections of rare and valuable materials. The collections include private, unique, comprehensive, and depository items. Some materials from these collections are being digitized and made available online as digital collections.



Gakumon no Susume (Encouragement of Learning) by Yukichi Fukuzawa, 1872



The first edition of Capital, Volume 1, by Karl Marx



For more information <https://www.lib.hiroshima-u.ac.jp/?lang=english>

## Phoenix International Center MIRAI CREA

The Phoenix International Center (MIRAI CREA), opened in October 2021, is housed in a building designed on the concept of a "green-lined hill of encounters and exchanges," with a symbolic exterior embodying a sustainable society. It has a spacious multipurpose hall, a community kitchen, a cafeteria, meeting rooms, and other facilities. Residential rooms and exchange lounges occupy the third to seventh floors. The seventh floor houses executive rooms for selected researchers. The center is well-equipped for multiple purposes, including diverse academic and cultural activities, knowledge-sharing events, and safe and comfortable residences for selected researchers and students visiting from abroad. MIRAI CREA is expected to serve as a knowledge hub to further enhance the status of Higashi-Hiroshima as an international research center.



For more information <https://www.hiroshima-u.ac.jp/en/miraicrea>



## Hiroshima University Museum



Hiroshima University Museum is an eco-museum. It consists of the Main Museum, six Satellite Museums, and the Discovery Trail (a natural promenade across the vast Higashi-Hiroshima Campus) connecting these museums. In addition to the permanent exhibition, the Museum organizes thematic exhibitions, nature observation tours (Field Navi), and other events.

### Main Museum

This is the central facility of the Hiroshima University Museum, which introduces the university and exhibits rare artefacts and documents related to the local environment and culture, such as fossils and stuffed specimens. It also serves as an information center for the entire museum complex.

### Satellite Museums

Satellite museums display artefacts and documents related to the specializations of the schools and centers. The Satellite Museums are situated at six locations: the Archaeological Research Section, the School of Applied Biological Science, the School of Science, the School of Letters, the Central Library, and the Amphibian Research Center.

### Discovery Trail (Hakken-no-komichi)

Along this trail, you can enjoy the changing seasons and observe various animals and plants that live on the Higashi-Hiroshima Campus, including some endangered species and numerous ruins of prehistoric and later ages.

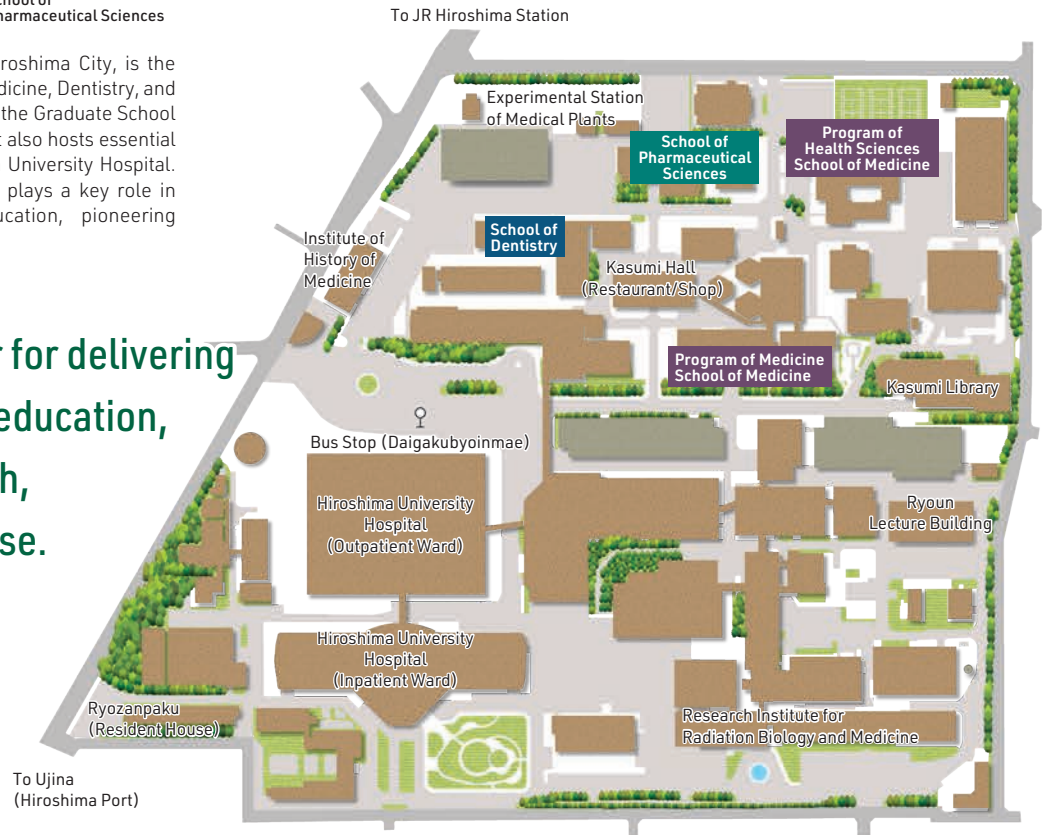
# Campus Guide

## Kasumi Campus Hiroshima City

- School of Medicine
- School of Dentistry
- School of Pharmaceutical Sciences

The Kasumi Campus, situated in Hiroshima City, is the esteemed home of the Schools of Medicine, Dentistry, and Pharmaceutical Sciences, along with the Graduate School of Biomedical and Health Sciences. It also hosts essential research facilities and the Hiroshima University Hospital. Serving as a vital hub, our campus plays a key role in providing advanced medical education, pioneering research, and clinical expertise.

**An essential center for delivering advanced medical education, pioneering research, and clinical expertise.**



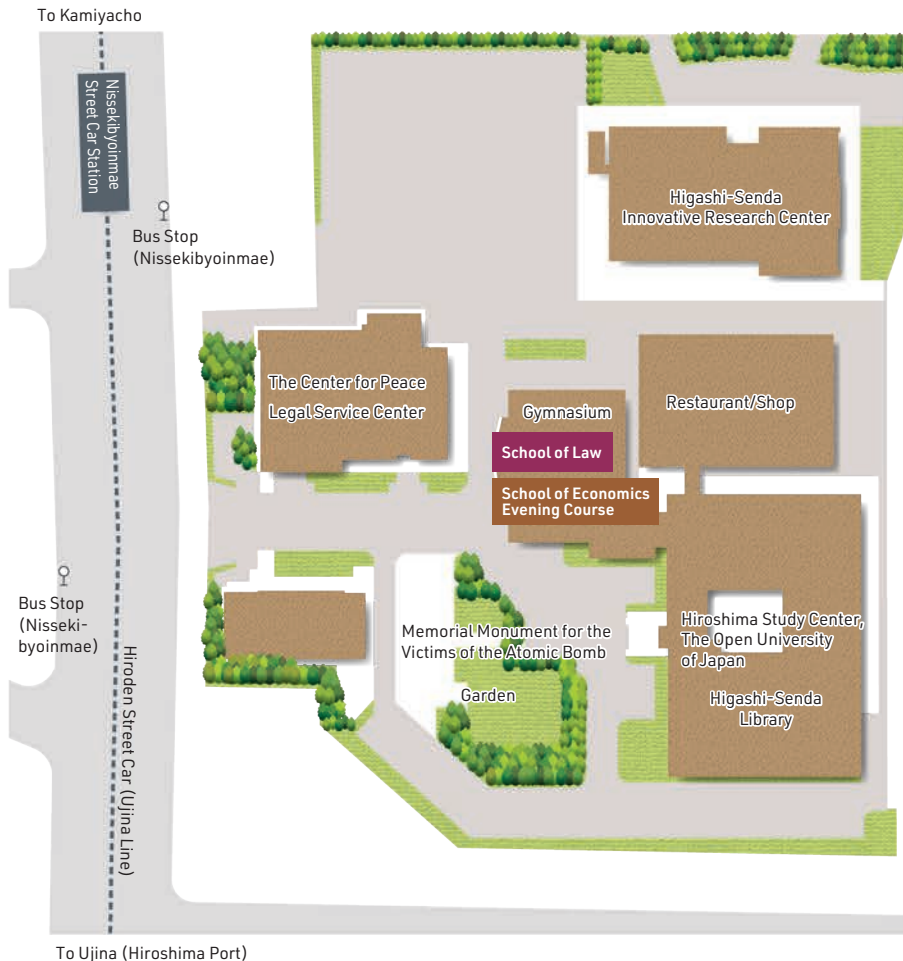
## Higashi-Senda Campus

Hiroshima City

- School of Law
- School of Economics Evening Course

The Higashi-Senda Campus in Hiroshima City occupies a portion of Hiroshima University's former site before relocating to Higashi-Hiroshima City, where most of HU's divisions are assembled on a single campus. This campus hosts classes for the School of Law (daytime and evening courses) and the School of Economics (evening course).

**A significant center of learning where the rich history of Hiroshima University comes to life.**





## Libraries

### Kasumi and Higashi-Senda Libraries Outline (as of 2022)

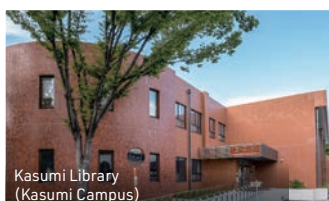
Library	Surface area	No. of seats for reading	No. of volumes	Main categories in the collection
Kasumi Library	2,382m <sup>2</sup>	385 seats	Approx. 0.19 million	Books and periodicals in the fields of medicine, dentistry, pharmacology, and public health
Higashi-Senda Library	685m <sup>2</sup>	81 seats	Approx. 0.07 million	Books and periodicals in law and economics

Databases and Services →P.30

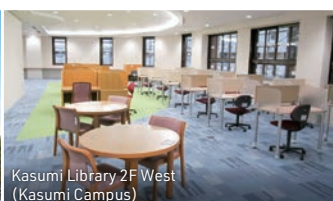
Writing Center →P.30

Learning Support Space, BIBLA →P.30

BIBLA in the Kasumi Library is open around the clock to students whose home campus is Kasumi.



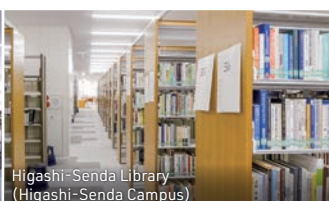
Kasumi Library (Kasumi Campus)



Kasumi Library 2F West (Kasumi Campus)



Higashi-Senda Library (Higashi-Senda Campus)



Higashi-Senda Library (Higashi-Senda Campus)

For more information <https://www.lib.hiroshima-u.ac.jp/?lang=english>



Kasumi Library

[https://www.lib.hiroshima-u.ac.jp/index.php?page\\_id=348](https://www.lib.hiroshima-u.ac.jp/index.php?page_id=348)



## Hiroshima University Hospital (Kasumi Campus)

With the philosophy of 'providing holistic and integrated medical care,' 'cultivating superior medical experts,' and 'pursuing new medical innovations,' Hiroshima University Hospital, as a core hospital in the Chugoku/Shikoku area, provides advanced medical care that reflects the latest headways in the rapidly progressing field of medicine.

### Partnership with Local Professional Sports Teams

Hiroshima serves as a base for professional sports teams, including Hiroshima Toyo Carp, Sanfrece Hiroshima F.C., and JT Thunders Hiroshima. In close collaboration with these teams, Hiroshima University Hospital contributes to their performance enhancement by assessing the physical fitness of new players and offering daily health advice.



### COVID-19 Response



Concerning clinical care, Hiroshima University Hospital dedicates eight beds for critically ill patients undergoing ECMO treatment. In the event of an infection outbreak, the hospital has 28 beds for patients with moderate symptoms to provide comprehensive medical care. The total number of admissions (number of patients x number of days) exceeded 2,000. Hiroshima University Hospital responded quickly and announced participation in the national government's workplace vaccination campaign. Not limiting itself to vaccinating only HU students and faculty members, the hospital actively promoted the campaign in partnership with Higashi-Hiroshima City by conducting workplace vaccinations at local companies, sending dentists to perform certain medical acts, and operating large-scale collective vaccination centers established by Hiroshima City. To date, the hospital has administered more than 100,000 vaccinations.

For more information <https://www.hiroshima-u.ac.jp/en/hosp/>



## Higashi-Senda Innovative Research Center (Higashi-Senda Campus)



As a New Center for Humanities and Social Sciences with a Focus on the Education of Legal Professionals, the Center educates students in daytime courses at the School of Law and other schools, and conducts educational and research projects in collaboration with other universities, industries, local governments, and organizations.

## Legal Service Center (Higashi-Senda Campus)



The Legal Service Center of the Graduate School of Humanities and Social Sciences was established in 2005 as part of the social contribution activities of Hiroshima University Law School. It provides free legal advice on civil matters once a week.

## Institute of History of Medicine (Kasumi Campus)



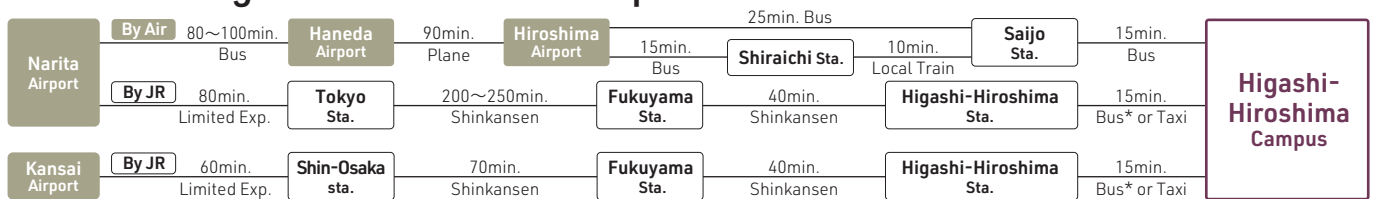
The present Hiroshima University Institute of History of Medicine was completed in 1999 and retains almost the same design as the former Institute of History of Medicine, which served as a weapons depot for the Hiroshima Army Weapons Factory during the war. The current building, partially constructed with bricks and stones used at the time of the atomic bombing, is known as the Hibaku Building.



# Campus Location & Access

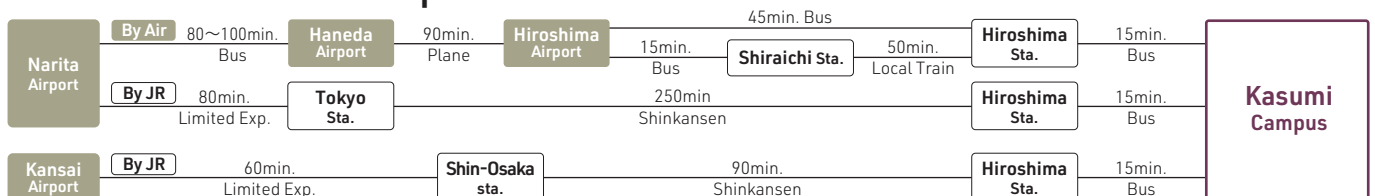


## Access to Higashi-Hiroshima Campus

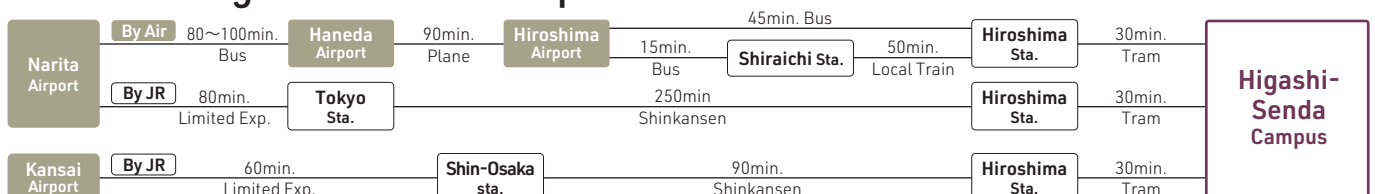


\* HU-bound bus service operated only on weekday mornings

## Access to Kasumi Campus



## Access to Higashi-Senda Campus



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