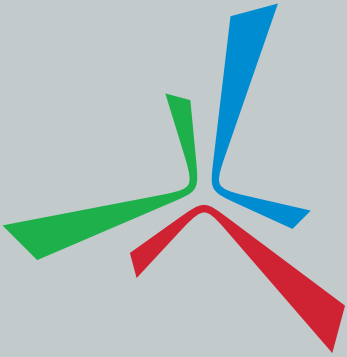

Hiroshima City University

Graduate School

Hiroshima City University Graduate School

CONTENTS

Hiroshima City University Graduate School

Primary Purposes of the Graduate School

1. Fostering researchers and specialists who have acquired high levels of knowledge and skills.
2. Developing human resources who have the capability to identify, comprehend, and solve a variety of challenges and who can contribute to building world peace.
3. Fostering human resources with the intelligence, sensibilities and creativity needed to respond to an increasingly global, culturally diverse, and rapidly changing society, by providing opportunities for advanced study and specialization.
4. Developing human resources who can play an important role in developing and enriching local communities with more diversified values, by fostering a spirit of scholarship and research.
5. Providing support to working adults who have a keen academic interest and a deep intellectual curiosity and aspire to pursue specialized research.

Education and Research Features

1. Highly specialized education and research

- Assimilating the latest research results and research methods in individual areas of specialization.
- Providing a chance to access up-to-date scholarly information and encouraging the spirit of academic inquiry and critical thinking.

2. Interdisciplinary education and research that match highly specialized educational programs

- Providing interdisciplinary education and research activities by taking a broad cross-sectional approach, beyond individual fields of study, while pursuing specialized expertise.
- Developing insightful judgment and enhancing the capacity to understand from a comprehensive perspective.

3. Cultivation of the ability to think logically, creatively and critically

- Cultivating the ability to think logically, build a broad range of knowledge and foster a rich humanity.
- Actively promoting education and research to develop creativity and originality, while fostering motivation for research and acquiring advanced and specialized knowledge.

Organization of Hiroshima City University (Faculties and Graduate Schools)

Faculties	
Faculty of International Studies	
	Department of International Studies
Faculty of Information Sciences	
	Department of Computer and Network Engineering
	Department of Intelligent Systems
	Department of Systems Engineering
	Department of Biomedical Information Sciences
Faculty of Arts	
	Department of Fine Arts
	Department of Design and Applied Arts

Graduate Schools			Enrollment
Graduate School of International Studies			
	Master's Degree Program	Department of International Studies	15 people
	Doctoral Degree Program	Department of International Studies	7 people
Graduate School of Information Sciences			
	Master's Degree Program	Department of Computer and Network Engineering	23 people
		Department of Intelligent Systems	23 people
		Department of Systems Engineering	23 people
		Department of Frontier Sciences	15 people
	Doctoral Degree Program	Department of Information Sciences	28 people
Graduate School of Arts			
	Master's Degree Program	Department of Design and Arts	30 people
	Doctoral Degree Program	Comprehensive Design and Arts	6 people

Research Institute	Hiroshima Peace Institute
Facilities	Library / Language Training Center / Information Processing Center / Art Museum / Center for Industry and Public Relations / International Exchange Promotion Center / Career Center

Common Courses for All Hiroshima City University Graduate Schools

"Humans and Society of the 21st Century"

Considering the global society of tomorrow from a multidisciplinary perspective

Required courses common to all the graduate schools, under the title "Humans and Society of the 21st Century," cover a wide range of interdisciplinary academic fields – such as humanities, social science, natural science and arts – beyond the boundaries of conventional vertically-divided academic fields. Through this interdisciplinary approach, students are provided with opportunities to foster the ability to think in a balanced, flexible and critical manner and view their areas of specialization with fresh eyes.
Hiroshima City University's graduate school program offers education and research that enables 21st century academic researchers to develop critical and flexible thinking and a fresh perspective, beyond the boundaries of the existing major fields of study.

List of Courses

International Relations and Peace

This course provides an overview of how the concepts of peace and security underwent changes during the 20th century, and examines major factors behind the development of new concepts and activities of security in the post-Cold War era.

Japanese Studies

In the early 20th century, Soseki Natsume defined his own place in literature by pursuing individualism based on egoism and the state of mind he called "Sokutenkyoshi" (transcending the self and becoming one with the universe). This course mainly explores Soseki's Watashi no Kojinshugi (My Individualism) and Gendai Nihon no Kaika (The Enlightenment of Modern Japan), in comparison with Henry James' perspective on the relationship between Europe and the US.

Technology and Ethics

This course deals with scientific ethics and engineering ethics; the responsibility of scientists and engineers; the civilizational approach to technology; the ethics of life manipulation technology and the ethics of bioethics; publicness in science and technology; public participation; challenges of engineer ethics; and the current state of engineering ethics education.

History of Science

This course provides a historical overview of learning in Western countries, with a focus on the emergence of science. It also discusses the inadequate interpretation of the general history of Western nations, presents a new interpretation of Western history, and takes up the Western view of the universe.

Human Theory A (Cultural and Social Sciences)

The presence of human beings is significant in historical, social, cultural, philosophical and educational terms. This course approaches the theory of human nature based on this assumption from the perspectives of human studies and anthropology. With modern society undergoing dramatic changes it is very important to explore the nature of human beings, their way of living, and the importance of existence.

Study of Man B (Natural Science)

It is said that one of the main features of all human beings is having a "heart and mind." At the same time, however, humans are an animal species and are ultimately made of physical matter. From such a materialistic perspective this course explores issues concerning human minds, and the realm where the science of the mind and the philosophy of the mind intersect.

Information and Society

For some time now our society has been called an information-oriented society or an electronic society. Currently, electronic technologies, information and communication technologies, computers and network systems are key infrastructures in our society, and the advance of such information technologies has great impacts on our everyday life and social situations.
This course examines what issues have been caused by the development of information technology in relation to economics, legal systems, ethics, culture and international relations, and possible responses to such issues.

Tools

The course discusses the role tools have played in society. Tools are considered from multiple perspectives – from the perspective of designers, manufacturers, sellers and users. Topics covered will include a review of theory on the presence of tools; the history of civilization and culture in terms of tools; theory on the past, present and future of tools; designs and functions of tools; comparative studies of aesthetic values; differences between art, craftwork and industrial art.

Cities

With the advance of globalization and the proliferation of multimedia technology, urban areas are increasingly becoming invisible. At the same time, the urban concentrations that have been increasingly mechanized and networked call for a "return to ecology" as a living system. With a focus on Hiroshima, one of the most famous Japanese cities in the world, this course discusses what an urban area originally meant and will mean, both from a historical and future perspective, and explores, through case studies and study tours, how, from a global standpoint, an urban area for the 21st century should be designed.

The Graduate School of International Studies

A forum for international, interdisciplinary, practical education and research

Admission Policy

Ideal candidates for this program are:

1. Individuals who have a broad education and keen interest in various regional and global issues.
2. Individuals who have the skills of reading, thinking, and expressing themselves at the level required of those attending graduate school.
3. Individuals who have basic knowledge concerning research categories of the Graduate School of International Studies and who desire to enhance their specialized knowledge and research capabilities.

Program Duration

The duration of the master's degree program is two years, while the doctoral degree program is three years. However, students who have achieved excellent research results may be granted a degree after one year of attendance for both the master's and doctoral degree programs.

Degrees Conferred

The master's degree program confers "Master of International Studies," "Master of Arts," or "Master of Arts in Peace Studies," depending on the content of the master's thesis of each student and the courses he or she has taken. The doctoral degree program confers "Doctor of International Studies," "Doctor of Arts," or "Doctor of Arts in Peace Studies" degrees, depending on the content of each student's doctoral thesis.

Student Admission*

The Graduate School of International Studies admits students in spring and autumn through regular entrance examinations and mature student entrance examinations, as well as through entrance examination for candidates recommended by overseas partner institutions for academic exchange. Entrance examinations for the spring semester take place twice a year, in July and February. Entrance examinations for the autumn semester take place once a year in July.

* For further information, see the Hiroshima City University application guidebook or visit the university's website (*http://www.hiroshima-cu.ac.jp/english/category0009.html*).

Master's Degree Program

Today, in the face of growing social pressure to address issues posed by the accelerating trend of globalization, demand is on the rise both in Japan and abroad for advancement of international studies and development of truly internationally-minded individuals. Against that background, the Graduate School of International Studies seeks to produce truly internationally-minded individuals with practical skills who can play a leading role in the field of international studies and take the initiative in identifying and resolving problems and issues facing international society. The Graduate School also aims to develop educators and researchers capable of conducting advanced, cutting-edge international studies.

Education and Research Features

1. In order to respond to the increasingly diversified needs of today's international community and address various global issues, the Graduate School provides students with courses that are flexible and conducive to interdisciplinary education and research.
2. Emphasis is placed on international, interdisciplinary, practical education and research.
3. In terms of program duration, the Graduate School offers a half-year semester system to accommodate working adults, overseas returnees, and international students.
4. Offering both day and evening classes, the Graduate School is accessible for working adults wishing to enroll in graduate programs while staying employed.

Content of Education and Research

The curricula of the Graduate School of International Studies comprise three types of courses: common courses, specialized basic courses, and specialized courses. Specialized courses include "peace studies core courses" designed to provide students with opportunities to deepen their knowledge of peace issues, as well as courses in five research categories aimed at interdisciplinary education and research, namely "International Relations," "Public Policy," "Business Management," "Socio-Cultural Studies," and "Language and Cultural Studies." Students can select courses from any research category to serve their needs and interests.

These research categories focus on such areas as politics, law, economy, business administration, culture, and language, which compose and drive international society. Through analyses and studies of the functions and roles of these areas, the Graduate School aims to provide education and research in a way that helps students understand and solve various issues facing international society, thereby helping them obtain interdisciplinary knowledge and practical skills.

The following are the characteristics of each research category.

(1) International Relations

This research category offers courses that help students obtain in-depth, historical, and theoretical understanding of the behavior and relations between various entities comprising the international

community, such as states, peoples, international organizations, citizens, and non-governmental organizations. It is expected that these courses will help students enhance their practical understanding and academic pursuit of political dynamics in international relations.

(2) Public Policy

Public-sector organizations, private companies and non-profit organizations require flexible thinking specialists in order to address the various problems facing today's society. Against that background, this research category conducts education and research to ensure the adoption of specialized and multidimensional approaches that lead to the solution of contemporary problems. Through research and education on economics, law, education, environment, mass media, sports, and non-profit organizations, among other subjects, this research category aims to develop individuals who can work for the public interest with their highly specialized knowledge and practical skills.

(3) Business Management

This research category helps students learn the theory and practice of business administration and conduct in-depth academic studies in that field. By doing so, students are expected to obtain business knowledge and the sensibility required of individuals working for organizations that operate in today's increasingly globalized environment. This research category also aims to help students obtain skills to apply what they have learned here to actual situations, business or otherwise, in the ever-changing international environment, in a flexible and creative manner and from a long-range and broad perspective.

(4) Socio-Cultural Studies

This research category assumes that human society is a historical product of ongoing interactions between cultures and individuals and that what underlies the process of these interactions is humans' approach to the real world through symbolic systems and the reproduction of symbols. Based on this understanding, this research category conducts basic and applied studies of social and cultural phenomena through logical thinking and practical methods such as clinical study and field research.

(5) Language and Cultural Studies

This research category studies and teaches various fields relating to language (language and society, foreign language teaching, language policy, language comparison, British literature, Irish literature, American literature, French literature, cross-cultural understanding, interpretation, translation, etc.) The research category helps students develop the ability to approach the broad range of relationships between language, literature, and society from diverse viewpoints, and prepare them to pursue careers in these fields.

Furthermore, students of the Graduate School of International Studies can engage in area studies by taking courses from all of the above five research categories.

Area Studies

This is an interdisciplinary field in which students study specific "areas" from the perspective of conventional disciplines or through a cross-sectional, interdisciplinary approach. Working in conjunction with the five main research categories offered by the Graduate School of International Studies, this research category aims to help students study and analyze areas of interest through a multifaceted approach, thereby obtaining a more in-depth understanding of international society and making a positive academic contribution.

Master's Degree Program (Peace Studies)

Since its inception in April 1998, the Graduate School of International Studies has conferred Master of International Studies and Master of Arts degrees. The Graduate School also confers the Master of Arts in Peace Studies degree on students admitted in April 2011 and thereafter.

Peace Studies through Theory and Practice

"Peace Studies" is a discipline that studies from various angles how to achieve the peaceful coexistence of all humankind. The master's degree program (Peace Studies) aims to develop human resources able to contribute to the promotion of peace both in theory and practice. Research emphases include war, conflict, and nuclear weapons. At the same time, students are also encouraged to study causes and solutions to the challenges that affect states, local communities, peoples, and individuals in the global society of the 21st century—challenges concerning poverty, environment, education, the social divide, discrimination, and gender inequality.

Master's Degree in Peace Studies Curriculum

The master's degree program (Peace Studies) has three characteristics.

1. The program offers "Core Courses of Peace Studies" unique to the Graduate School of International Studies. Taking advantage of HCU's location, the program offers "Specialized International Studies Courses" which comprise practical training and research activities using resources available not only at HCU's Graduate School of International Studies and the Hiroshima Peace Institute, but also at various other peace-related organizations in and around Hiroshima City.
2. The program is interdisciplinary and therefore its research focus is not limited to a specific research category or discipline.
3. The entire curriculum is designed organically and systematically so that students can select courses from a broad range of fields depending on their needs and interests.

Students wishing to earn a Master of Arts in Peace Studies degree must fulfill different credit requirements than students seeking a master's degree in International Studies or Arts. Specifically, students must take two of four Core Courses of Peace Studies as required courses, eight credits from the Peace Studies Majors as required elective courses, and one credit from Peace Internship as a required course. Students can seek to earn the master's degree in Peace Studies either in Japanese or English (meaning that lectures, guidance on master's theses, and thesis review are all offered in the two languages.)

List of Courses Offered by the Graduate School of International Studies (Master's Degree Course)

Fundamental Skills / Knowledge for Graduate Students

Academic Research Methods / Basic Statistics for Academic Research

Core Courses of Peace Studies

Introduction to Peace Studies / HIROSHIMA and The Nuclear Age / Hiroshima and the World / HIROSHIMA and PEACE for Graduate Students

Courses in International Relations

History of International Relations I, II / International Security I, II / Contemporary Disarmament and Peace I, II / Conflict Resolution I, II / International Cooperation I, II / Japanese Politics and Diplomacy I, II / Japanese Modern History I, II / History of International Relations in China I, II / Peace and Security in East Asia I, II / Northeast Asian Politics I, II / Southeast Asian Politics I, II / International Relations in Europe I, II / American Politics and Diplomacy I, II / Russian Politics and Diplomacy I, II

Courses in Public Policy

Philosophy of Law I, II / International Law I, II / Economic Policy I, II / International Development I, II / Development Issues in Southeast Asia I, II / Nonprofit Organizations I, II / Urban Economics I, II / Community Sports I, II / Educational Administration I, II / Comparative Education I, II / Information and Media I, II / Health Psychology I, II

Courses in Business Management

International Business Management I, II / Marketing Management I, II / Human Resource Management I, II / Multinational Enterprises I, II / International Finance / Development Economics / International Accounting I, II / Public Sector Accounting I, II / Japanese Industry I, II / Business Policy I, II

Courses in Socio-Cultural Studies

Contemporary Thought I, II / Sociology I, II / Civilians in War I, II / Gender Studies I, II / Music Culture I, II / Japanese Culture I, II / American Culture I, II / Latin American Culture I, II / Islamic Society in the Middle East I, II / African Culture and Society I, II

Courses in Language and Cultural Studies

English Language Education I, II / Japanese Education I, II / Applied Linguistics I, II / Contrastive Linguistics I, II / Language and Society I, II / Translation Studies I, II / Interpretation Studies I, II / British / Irish Literature and Culture I, II / French Literature and Culture I, II / American Literature and Culture I, II

Specialized International Studies Courses

Special Lectures in International Studies I, II / Peace Internship

Special Lectures

Special Lecture A, B

Special Seminars

Special Seminar I, II

Doctoral Degree Program

Today, with the human race having reached the pinnacle of material prosperity, it is more critical than ever to give serious thought to the challenges facing all human beings, such as global environmental deterioration and various other crises that threaten the survival of humankind. Against that background, it is urgently necessary to develop truly internationally-minded individuals ready to commit themselves to resolving these exacting global challenges. Making the most of their broad, internationally-oriented vision and judgment as well as their flexible and interdisciplinary knowledge and thinking, these enlightened individuals are expected to contribute toward saving the global community from imminent crises and realizing peace and security.

In response to these pressing needs of the new era, the Graduate School of International Studies aims to develop highly-skilled professionals who can play a leading role in culture, politics, economy, education, science, industry, and various other fields in international society, as well as highly-qualified educators and researchers who can engage in advanced, cutting-edge, interdisciplinary research activities.

Education and Research Features

1. Education and research from international and interdisciplinary perspectives

Placing major emphasis on an international and interdisciplinary approach, the doctoral degree program's courses encourage and require students to think globally and transnationally to transcend such narrower frameworks as national boundaries and states, thereby serving the interests of all humankind and the entire world through a global attitude. The program also makes sure to provide education and research in a comprehensive, interdisciplinary manner that goes beyond specific disciplines or research interests such as culture, politics, economy, humanities, society, and nature, while at the same time maintaining the level of specialization of each discipline or research interest incorporated in its curriculum.

2. Introduction of day and evening classes for working adult students

Offering both day and evening classes, the doctoral program provides working adult students with opportunities for education and research day and night.

3. Active admission of international students

With the progress of internationalization, international exchange is expected to be promoted even further in the field of education. The Graduate School of International Studies aims to admit overseas students more actively, thereby contributing to the international community through education and research.

4. Intensive tutorial-style training

The doctoral degree program provides students with intensive tutorial-style training in the areas of their specialization, under a head supervisor and assistant supervisor.

Content of Education and Research

Education and research provided in the framework of existing disciplines are not adequate to accurately identify and understand the diverse aspects of contemporary international society. To address this limitation, the Graduate School of International Studies offers two comprehensive research disciplines. “Research in International Society” ensures cross-sectional research and education focused on issues facing the international community as a whole. “Area Studies” allows multilateral and multifaceted education and research concerning specific regions of the world.

List of Courses Offered by the Graduate School of International Studies (Doctoral Degree Program)

Research in International Society

International Law / International Security / Contemporary Disarmament and Peace / International Cooperation / Sociology / Comparative Politics / Economic Policy / International Development / Nonprofit Organizations / Urban Economics / Community Sports / International Business Management / Human Resource Management / Multinational Enterprises / International Finance / Modern Philosophy / Mass Media / Educational Management / Civilians in War / Psychology of Health / English Language Education / Applied Linguistics / Contrastive Linguistics / Translation Studies

Area Studies

Peace and Security in East Asia / Southeast Asian Studies / Development Issues in Southeast Asia / Chinese Studies / African Sound Culture / African Society / Middle Eastern Studies / East European Studies / British / Irish Literature and Culture / American Culture / Japanese History / Japanese Society / Japanese Culture

Doctoral Degree Program (Peace Studies)

Since the opening of the doctoral degree program in April 2000, the Graduate School of International Studies has conferred “Doctor of International Studies” and “Doctor of Arts” degrees. In addition, the Graduate School also confers a “Doctor of Arts in Peace Studies” degree on students admitted in and after April 2013.

Depending on their thesis topics, students will be able to take the Peace Studies core courses and specialized courses offered to master’s degree program students by the Graduate School of International Studies. Students are also provided with opportunities to pursue research using resources available not only at HCU’s Graduate School of International Studies and the Hiroshima Peace Institute, but also at various other peace-related organizations in and around Hiroshima City.

Students can earn their Peace Studies doctoral degree in either Japanese or English.

The Graduate School of Information Sciences

Admission Policy

Ideal candidates for the Graduate School of Information Sciences are:

1. Those with interest in theoretical research and scientific technologies in the field of information sciences.
2. Those eager to show initiative in tackling challenges and to return the results obtained to society
3. Those who are capable of the mathematical and scientific thinking necessary for pursuit of information sciences.

Program Duration

The Master's Degree Program is a two-year course of study and the Doctoral Degree Program is a three-year course of study. However, those who have achieved outstanding research performance may complete their programs in one year or more.

Master's Degree Program

The 21st century will see the progression of an advanced information-communication society in which information technologies will be the foundation of all aspects of society, promoting economic and cultural activities of a new era.
In order to play a significant role not only within Japan but also on an international level, it is necessary to advance research and train future leaders in information technology and information-related fields.
The Graduate School of Information Sciences aims to meet this demand by promoting both theoretical research and scientific technologies and by training future researchers and engineers in research and development.
Through this program, students at this level will acquire the skills that enable them to:

1. Research and apply elemental technologies for computers and networks, and create next-generation computers and networks.
2. Process and organize information in order to meet various forms of communication within a knowledge-based society.
3. Develop advanced systems for harmonious relations between humans, computers, and mechanical systems.
4. Establish a new level of *monozukuri*, the Japanese art of creative manufacturing, to adapt to evolving trends through the integration of information sciences, physics, chemistry, and biology.
5. Conduct creative research through independent studies and projects. Students will acquire international perspectives and skills of analysis, planning and judgment, in order to conduct independent, specialized and interdisciplinary research.

Depending on their thesis topic, students will be eligible for either a Masters in Information Sciences or a Masters in Information Engineering.

Education and Research Features

1. Highly specialized, integrates science and engineering and covers a wide range of subjects from mathematics, basic logic and computers, Artificial Intelligence (AI) to human interfaces.
2. A wide range of classes which provide both academic and practical knowledge from basic to applied levels, in order to meet the sophistication and diversity of Information Sciences.
3. A flexible semester system, in which students have the option of completing all courses within a year.
4. A series of core courses taught by each department, in order to provide students with specialized knowledge.
5. Independent projects and studies assigned to students to help them develop the creativity and independence necessary to become skilled researchers and engineers.
6. Students can acquire cutting-edge advice and wisdom through guest lectures given by speakers at the forefront of the field.
7. All teaching and research is assisted by state-of-the-art multi-media networks.

Master's Degree Program

Department of Computer and Network Engineering

The aim of this department is to research the elemental technologies of computers and networks, their applications, and the creation of next-generation computers and networks.

Content of Education and Research

Our teaching and research focuses on practical knowledge in our rapidly advancing information society, including computer hardware, software and networks. It also focuses on the techniques of integrating computers and networks and the development of new technologies.
Our students will receive hands-on knowledge to deal with elemental technologies related to computers and information networks. They will become capable of conducting research and development, relating to the advancement of our information-based society and to further the development of next-generation computer systems and networks.

List of Courses

Computers

Advanced Logic Circuits and Systems / Advanced Logic Circuits Design / Advanced Physical ElectronicsI,II / Advanced Computer Aided Design / Automation of Circuit Designing / Advanced Computer System / Advanced System Level Design and Verification / Advanced Computer Architecture / Programming Languages

Networks

Advanced Communication Systems / Network Communications / Communication Principles / Advanced Information Networks / Advanced Network Software / Advanced Mobile Networks / Advanced Multimedia Communications / Advanced Traffic Theory for Telecommunications / Compression of Information / Advanced information transmission system

Special Lectures on Information Sciences / Special Lectures on Information Engineering / Advanced Seminar on Brain Science / Advanced Medical Image Diagnostic Support / Advanced Seminar on Medical Robotics

Advanced Seminar on Computer EngineeringI,II,III,IV / Independent Study Program / InternshipI,II

Research Themes

Computer Design	- Design, Test and Automation of LSI - Reconfigurable System Design and its Application - Dependable Computing Systems
Logic Circuits and Systems	- Automated Electronic Design of LSI and System - Design and Analysis of Logic Circuit and System - Composition of Fine-Graded Micro Processor - Safe Distributed Computing
Computer System	- Construction of Embedded Systems - Processor Architecture - Parallelizing Compiler and Support Software for High-Performance Computing
Computer Architecture	- System Architecture for High-Performance Computing Systems - Computer Systems with Reconfigurable Architecture - System Software for Reconfigurable Devices
Network Software	- Network Software Engineering: Design of Large-Scale, Complex Network Software for Diversified Telecommunications Services - Assurance Network: Design of Ubiquitous Network that Flexibly Accommodates Different Needs and Changing Circumstances - Object Technology: Object-Oriented Programming, Systems, Languages and their Applications
Information Networks	- High-Speed Satellite Communication Networks and Communication Protocols - Fundamental Technologies toward Sophisticated and Highly Reliable Information Networks and Network Systems - Applied Radio Waves, Wireless Communication, and Network Systems - Autonomous Decentralized Control, Network Performance Evaluation and Communication Traffic Analysis - Application Technology for Realizing Efficient Information Exchange in Networks
Radio Science and Communications	- Network Design Method Based on the Characteristics of Information and Media - Telecommunications-Broadcasting Cooperative Information Networks - Radio Science for Studying Potential Relationship of Natural Phenomena and Electromagnetic Waves
Internet Engineering	- Network Architecture (IPv6, migration transparent communication, Sensor networks, etc.) - Distance Education and Other Multimedia Communications - Broadband Network Application - Content Distribution with Context-awareness - Embedded Security

Master's Degree Program

Department of Intelligent Systems

The aim of this department is to provide advanced teaching and research focusing on the processing and systematic organization of intelligent information in order to manage various forms of communication in our knowledge-based society.

Content of Education and Research

Our department offers advanced-level teaching and research. It focuses on the processing and systematic organization of intelligent information communication. It also covers various aspects related to intelligent information processing, such as basic theories and methods of information processing, elemental technologies unique to our knowledge-based society and their applications.

Specifically, this course consists of two specializations: intelligent media and intelligent software, both of which are based on theories on intelligent information processing that responds to various forms of communications in a knowledge-based society. Intelligent media focuses on the realization of human-computer communications, while intelligent software seeks to establish an intelligent system suitable for human information action and communicative action.

List of Courses

Intelligent Software

Knowledge Engineering / Knowledge-Based System / Machines and Learning / Advanced Learning Systems / Multimedia and Database / Methods of Reasoning / Computation Quantity / Advanced Network Software

Intelligent Media

Advanced Image Media Engineering / Intelligent Robots / Advanced Spoken Language Processing / Computer Vision / Advanced Computer Graphics / Compression of Information / Adaptive Systems / Intelligent Information Retrieval / Information Processing of Probability / Human and Computer Interaction / Advanced Computer System / Stochastic Processes / Advanced Applied Mathematics and Image Processing

Special Lectures on Information Sciences / Special Lectures on Intelligent System Engineering / Advanced Seminar on Brain Science / Advanced Medical Image Diagnostic Support / Advanced Seminar on Medical Robotics

Advanced Seminar on Intelligent System Engineering I,II,III,IV / Independent Study Program / InternshipI,II

Research Themes

Knowledge Engineering	- VR Media-Based Advanced Learning Support System and Knowledge Acquisition Methods - Kansei Information Processing, and Knowledge Representation and Knowledge Acquisition Methods in Kansei Engineering - Ontology and Knowledge Reuse in Design Tasks
Data Engineering	- Data Mining and Intelligent Database Systems - Multimedia Database and Spatio-Temporal Database - Constraint Processing in Grid Computing Environment - Social Networks and Social Computing
Intelligent Computing and Systems	- Natural Computing (Evolutionary Computation and Swarm Intelligence) -Based Optimization and Machine Learning - Knowledge Acquisition through Data from Neural Network and Evolutionary Computation
Machine Learning	- Web Data Mining, and Knowledge Discovery from Semi-Structured Data - Efficient Knowledge Information Processing for Graph-Structured Data - Machine Learning-Based Data Mining from Semi-Structured Data
Image Media Engineering and Computer Graphics	- Recognition and Measurement of 3D Shapes/Motions/Reflection Properties of Real Objects - Rapid Rendering Technique of Appealing, Live-action Images - Techniques that Enable Natural Integration of Virtual and Real Objects - Research on Color and Appearance Reproduction Engineering
Medical Imaging	- Computer-Assisted Diagnosis (automatic lesion detection etc.) and Computer-Assisted Surgery (surgical navigation etc.) - Processing and Analysis of Multi-Dimensional Medical Image Data (diffusion MRI etc.) - Statistical Modeling and Knowledge Representation for Human Body Shape, Structure and Dynamic Measurement
Language and Speech Research	- Voice-Activated Computer Technology - Statistical Machine Translation and its Application - Systematization of Large Document Collection and Information Access Technology - Emotional Information Processing, Dialogue Understanding and Speech Intention Understanding
Intelligent Media Engineering	- Knowledge Information Processing and Intelligent System Construction for Pattern Information - Probabilistic Information Processing and Information Statistical Mechanics - Creation of Intellectual Dialogue Agent Using Data Mining and Machine Learning
Pattern Recognition	- (Time) Sequential Data Pattern Recognition - Bayesian Statistics-Based Data Analysis - Learning Machine Characterization Using Information Theory

Master's Degree Program

Department of Systems Engineering

This department researches and strives towards the advancement of user-friendly systems which foster a harmonious relationship between humans, computers and mechanical systems.

Content of Education and Research

Our department aims to develop cutting-edge user-friendly systems in order to create an ideal and comfortable environment as society continues to advance. We teach and research comprehensive skills and techniques, creating applications to further optimize human robot-interaction. Students are able to gain a vast array of knowledge: from system control and robotics to communication systems, interfaces and mathematical sciences. Our department offers students the opportunity to study these subjects to help them discover practical solutions to problems related to systems engineering. Students will have the chance to become creative and practical engineers and researchers, gaining a broad perspective and a strong awareness of the world around them.

List of Courses

Human-Robot Coexistence

Advanced System Control / Intelligent Control Theory / Advanced Filtering and Estimation Theory / Advanced Robotics / Intelligent Robots

Interface Design

Advanced information transmission system / Advanced Embedded Systems Architecture and Software Design / Advanced Embedded Software Implementation and Simulation / Advanced Testing and Non-Functional Quality Assessment of Embedded Systems / Embedded Systems Planning Workshop / Embedded Systems Prototyping Workshop / Advanced Sound System / Nonlinear Circuit Theory / Human and Computer Interaction / Advanced Cryptography and Information Security / Computer Vision / Information Processing of Probability / Computation Quantity / Visual Information Science /

Information Mathematics

Information MathematicsI,II / Advanced Statistical Mathematics / Stochastic Processes / Network Communications

Special Lectures on Information Sciences / Special Lectures on System Engineering / Advanced Seminar on Brain Science / Advanced Medical Image Diagnostic Support / Advanced Seminar on Medical Robotics

Advanced Seminar on Systems Engineering I,II,III,IV / Independent Study Program / InternshipI,II

Research Themes

Mechatronics	- Design of Intelligent Control Systems - Energy Conversion System Analysis and its Optimization - Design and Control of Mechatronics Systems
Intelligent Control Systems	- System Identification and Adaptation Control - Varying System Parameter Estimation and Predictive Control - Optimal Design of Human-Machine Systems
Robotics	- Robot Motion (Motion Media) as Network Content - Welfare Robotics - Development of Mobile Robot Intercommunication System
Communications and Signal Processing	- Construction of Nonlinear Circuit-Based Communication/Signal Processing Hardware - Model Building in Intelligent Systems and its Application to Signal Processing
Embedded Design	- Formal Verification of Embedded Systems and Design Optimization Method - Reliable Real-Time Distributed System Construction Method - High Reliability P2P Distributed System - Optimization Design of Embedded Systems Using Evolutionary Computation - Authentication Protocol for Sensors and Other Low-Functional Devices
Sound Design	- Sound Design Evaluation Based on Psychoacoustics and Neurophysiology - Construction of Acoustic Information-Based Support Systems for the Disabled - Development of Human-Machine-Environmental Interaction Design and its Evaluation Methods
System Interface	- Construction of Creative Activity Support Systems by Developing Internet Information Discovery Technology and Intelligent Communications Interface
Mathematical Sciences	- Stochastic Processes and Optimal Control Theory - Mathematical Foundation for Factor Analysis - Mathematical System and Spatial Configuration Geometry - Classification Theory of Algebraic Varieties and Related Fields - Algebraic Varieties Defined over an Algebraically-Closed Field of Positive Characteristic - Mathematical Analysis of Computer Simulations

Master's Degree Program

Department of Frontier Sciences

This department focuses on the integration of information sciences, physics, chemistry, biology and neuroscience to establish a new stage of "monozukuri" which has the necessary flexibility to meet the evolving trends of the time.

Content of Education and Research

With monozukuri, the Japanese art of creative manufacturing, as a leading principle, the teaching and research in our department is interdisciplinary. We cover a wide range of sciences such as information sciences, physics, chemistry, biology and neuroscience. Through these courses students will acquire the essential skills of flexibility and adaptability. Students will also learn cutting-edge computer skills and develop intensive knowledge related to scientific technologies.

Our research interests are extensive and extend to the frontiers of the field. They range from semiconductor devices, the development of nano-structured materials and their theoretical and mechanical analysis, the measurement and analysis of brain functions and their engineering applications, to the analysis of the mechanics of environmental problems, environmental restoration, and the development of future energy sources.

List of Courses

Advanced Frontier Sciences I,II / Advanced Physical Electronics I,II / Advanced Nano IT Materials / Micro medical engineering / Advanced Opto-Electronics / Advanced Electrical and Electronic Materials / Advanced Chemical Physics / Biological Materials for Information Sciences / Advanced Biological Signal Processing / Visual Information Science / Advanced Optical Measurement System / Biological Processing of Information / Advanced Biomedical Measurements / Advanced Study on Biological Systems Engineering / Advanced Logic Circuits and Systems / Advanced Computer Architecture / Advanced Multimedia Communications / Intelligent Robots / Advanced System Control / Special Lectures on Information Sciences / Special Lectures on Frontier Sciences / Advanced Seminar on Brain Science / Advanced Medical Image Diagnostic Support / Advanced Seminar on Medical Robotics / Advanced Seminar on Frontier SciencesI,II,III, IV / Independent Study Program / InternshipI,II

Research Themes

LSI Devices	- MOSFET Modeling - Semiconductor Device Evaluation Technology - Electronic Transport Theory and Quantum Information Theory on Semiconductors and Superconductors (Quantum Computer/ Quantum Communication)
Materials Sciences	- Creation of Nanostructured Semiconductors Using Silicon Materials - Experimental and Theoretical Analysis for Nanostructured Materials - Optical Characterization of Compound Semiconductors - Local Atomic Arrangement of Electron Optical Materials
Biomedical Science and Technology	- Development of Brain Function Analyzer by Measuring Brain Potential and Brain Magnetic Field - Development of a High-Precision Transcranial Magnetic Stimulation System and the Elucidation of Brain Function Dynamics by Using the System - Development of a Brain Function Analysis System and the Elucidation of Human Motor Learning and Control Mechanism - Development of Brain Computer Interface by Using Non-Invasive Brain Activity Measurement
Optical System Measurement	- Development of a Method for Detecting Atmospheric Minor Constituents by Laser and its Application to Environmental Fate Analysis - Excited State Dynamics by Nonlinear Spectroscopy - Observation of Reaction Intermediates, such as Those Involved in Growth Processes of Nanostructure on Semiconductor Surfaces, by Laser Spectroscopy, and Determination of Their Structure and Reaction Mechanism. - Cell Kinetic Analysis by Observing Fast-Moving Images
Bio-system Engineering	- Development of Food Production/Bioenergy Production Systems - Development of Systems for Promoting Environmental Conservation, Reuse and Recycling - Elucidation of Visual Information Processing Mechanism and its Application to Information Engineering - Development of Systems for Environmental Cleanup/Recycling by Microorganisms
Medical Robots	- Development of MEMS (Micro-Electro-Mechanical Systems) Technology-Based Micromachines - Development of Ultimate Biological Information Measurement Technology that Enables Measurement of Breathing Characteristics in the Lung - Development of Next-Generation Microneedle-Based Transdermal Absorption Technology - Development of MEMS-Based Wearable/Flexible Sensor Systems

Doctoral Degree Program

As global information infrastructures continue to develop, there is a need for researchers and engineers who are highly competitive, globally aware and who have the foresight to predict paradigmatic shifts. These specialists will be trained in aspects beyond just a conventional PhD program. Students will be able to research specialized areas and gain practical and critical thinking skills. Students are expected to work independently and to explore and take on challenging issues through practical research in collaboration with local communities.
Our PhD programs focus on responding to those demands, furthering research and development and practical problem-solving skills. Depending on the thesis topic, this program offers a PhD in Information Sciences or a PhD in Information Engineering.

Educational Purposes

1. Researchers and engineers equipped with advanced expertise, broad knowledge and practical competence.
2. Educators who can flexibly respond to cutting-edge science and technology and teach younger people through a broad, balanced knowledge and sensitivity.
3. Human resources who can return the benefits of advanced scientific technology to society and contribute to local revitalization.
4. Human resources with the ability to identify and tackle challenges of their own accord, and with a high level of research and development capability.

Acceptance of Mature Students

Departments will hold entrance examinations specially for working persons who wish to study in the Master's Degree Program and the Doctoral Degree Program. For the Doctoral Degree Program, special consideration will be given – such as the holding of night courses when needed – so that working employee students can undertake studies concurrently with their employment.

Graduate School of Information Sciences

Department of Computer and Network Engineering

This department researches the development of hardware, software and network engineering, which are the technical foundation of the next generation of information sciences.

Content of Education and Research

Computer Engineering

The area of computer engineering focuses on computer systems, primarily on elemental technologies which are fundamental to information sciences. We offer many areas in which to specialize, such as: logic circuit designing, specifically the design and analysis of logic circuits and systems and VLSI design automation, both of which are the basis of computer systems development. In addition, other areas of specialization include the analysis of software and hardware and parallel processing architecture, processor architecture and performance evaluation. In order to meet society's demand for highly reliable computer systems we also offer specialized training in an area called dependable computing.

Network Engineering

Network Engineering is a new area of research that has recently seen a great upsurge in its advancement and influence on society.
The course consists of four specialized areas:

1) Network Software, which covers the design of network software and the realization of varied and complex communication services.
2) Multi-media Information communication for advanced uses in education, such as distance learning.
3) Broadcast Media, which examines networks and integrates communication and broadcasting.
4) Communication Control Algorithm, which focuses on various technologies to improve the reliability of communication services and the advancement of communication protocol.

These areas also cover other aspects of network engineering, such as object-oriented technologies, radio-wave communication systems, analysis and evaluation of network performance and the control and application of mobile networks.

Research Areas

Computer Engineering	- Processor Architecture and Performance Evaluation - Design and Analysis of Logic Circuits and Systems - Parallel Processing Architecture - Dependable Computing - VLSI-CAD/EDA - Logic Design and Switching Theory
Network Engineering	- Design of Network Software for Communication Services - Radio Science and Wireless Networks - High Reliability Communication Services, Advancement of Communication Protocols - Network Architecture and Multimedia Communications - Radio Systems, Radio Communications, and Network Systems - Object-Oriented Analysis and Design - Autonomous Decentralized Network Control Mechanisms - Mobile Networks - Design and Application of Network Architecture and Protocol - Network Software for Autonomous Decentralized Control - Wireless Network Systems

Graduate School of Information Sciences

Department of Intelligent Systems

This course investigates the nature of the human intellect, the complexities of sophisticated information processing systems, and the interaction between humans and computers.

Content of Education and Research

Intelligence Software

Intelligence Software examines humankind and other forms of existence as well as the abundance of data and the nature of characters and numerals. It also involves research and development in user-friendly, intelligent and advanced information systems and related fundamental technologies.

This course consists of three specializations

1 Knowledge and Kansei Engineering which examines artificial intelligence and emotions.

2 Data engineering which examines techniques for discovering knowledge from a surplus of content and data and for the sophistication of databases

3 Intelligence systems which examine evolutionary computation based on biological evolution and neural networks built on the cranial nervous system.

Intelligence Media

Intelligence media involves the research and development of media information processing technologies needed to understand images, videos, sound and text found in communication. This course consists of four specializations. The first two are visual computing and natural language communication, which focus on the realization of natural and sophisticated communication between humans and computers. The other two are intelligence media engineering and pattern recognition, which pertain to theories of knowledge acquisition and their applications in various forms of media and principles of machinery.

Research Areas

Intelligent Software	- Intelligent Tutoring System and Kansei Engineering - Knowledge Database Processing and Sequence Data Mining - Knowledge Representation and Machine Learning in Intelligent Systems - Knowledge Representation and Acquisition in Education Learning Systems - Knowledge Discovery Systems from Databases Based on Graph Theory - Application of Machine Learning Methods and Graph Theory to Knowledge Discovery
Intelligent Software	- Multi-Dimensional Databases and their Applications - Modeling of Biological Adaptive Systems and its Applications - Parallel Computing and its Applications to Data Engineering
Intelligent Media	- Planning and Learning in Autonomous Agents - Knowledge Processing and Machine Learning for Pattern Information - Spoken Language Processing and Natural Language Processing - Image Processing and Visualization as Media - Statistical mechanical Informatics and its Applications - Medical Image Processing for Computer-Aided Diagnosis - Nonparametric Bayesian Time Series Analysis - Information Access and Language Processing - Image Understanding for Computing Graphics - Image-Based 3D Data Modeling - Stochastic Analysis of Learning Machines

Graduate School of Information Sciences

Department of Systems Engineering

Our goals are to research and build skills to integrate large-scale complex systems and the advancement of information communication and interface systems.

Content of Education and Research

Control and Mathematical Systems

There is an increasingly high demand for energy conservation and the study of environmental issues. This requires skills to integrate large-scale and more complex systems of design, analysis and operation, and also a comprehensive and global outlook on humanity, society and the environment as a whole.

In the areas of control and mathematical systems, students are expected to acquire the abilities to understand and analyze phenomena through comprehensive and interdisciplinary studies relating to engineering, information and mathematics. We offer students learning and research opportunities in mathematical systems, system optimization, stochastic processes, estimation theory, nonlinear optimization techniques, and neural networks. We further conduct teaching and research in related topics such as analysis of mathematical systems, stability analysis of control systems, control systems design, system identification, optimal control, adaptive control, acoustic analysis, the optimization of energy conversion systems and system integration techniques.

Communication and Interface Systems

Hardware and software technologies of large-scale communication and broadcasting systems have recently seen dramatic advancements. This rapid advancement requires applied computer skills and system integration techniques in various industrial and societal situations.
For information communication technologies to transmit and process information, we offer areas of study in the structure of signal-processing hardware and its application to digital broadcasting. Another specialization focuses on the design of user interface systems. We also offer a specialization that conducts research and teaching in research and development, reliability enhancement and technological optimization of embedded systems for products such as automobiles, cellular phones and home appliances.

Research Areas

Control and Mathematical Systems	- Modeling and Control of Dynamic Systems - Motion Media Content Distribution Technology and its Application to Communication Robots - Construction of Acoustical Analysis/Control Systems and Sound Design - Stochastic Control Theory and its Applications - Design of Intelligent Control Systems - Design and Control of Man-Machine Systems
Communication and Interface Systems	- Verification and Optimization of Real-Time Embedded Software - Circuit Analysis and Synthesis for Communication/Signal Processing - Creative Activity Support with Human-Computer Interaction Systems - Dependable Distributed Systems - Optimization of Embedded Systems Using Evolutionary Computation

Doctoral Degree Program

Graduate School of Information Sciences

Department of Frontier Sciences

For pioneers of the future with an interdisciplinary background in information sciences,physics, chemistry, biology, and neuroscience.

Content of Education and Research

With the Japanese art of creative manufacturing, monozukuri, as its core principal, the teaching and research in our department is interdisciplinary and integrates a wide range of subjects such as information sciences, physics, chemistry, biology, and neuroscience. Within the course, the field of integrated circuit devices is aimed at the creation of future semiconductors and integrated circuits, which involves research and development in integrated circuits and the analysis of semiconductors. The field of biological engineering covers measurement, analysis, and applications related to the complicated and sophisticated information-processing systems of the brain. The fields of optical systems engineering and biosystems engineering focus on the development of new techniques to analyze complicated and varied environmental and bio-systems, and the application of this data for engineering purposes.

Research Areas

- The Biomedical System and its Application
- Application to Observation and Watch of Atmosphere
- Application of Biological Materials to Measurement and Control System
- Development, Assessment and Application of Semiconductor Nanostructures
- 3D Atomic Imaging Science and its Application to the Creation of Advanced Materials
- Computational Study of Brain Function
- Acquisition of Environmental Information and its Control
- Principles of Visual Information Processing and its Application to Visual Information Metrics

The Graduate School of Arts

Conducting advanced education and research in response to the needs of developing artists and professionals engaging in creative artistic activities to promote local culture.

Education and Research Features

1. A rigorous and dynamic research and education program further developing professionals in creative practices, placing importance on classic studies, and creating interpretations of traditional art and culture through a contemporary perspective.
2. An innovative research and education program utilizing new materials and technology, as well as innovative ideas, to promote cutting-edge expressions that meet the demands of an electronic media society, and free artistic expressions that break the mold.
3. A research and education program promoting better understanding of art theory and history, to pursue creative activities that accord with modern society.
4. Fostering the integration of advanced theoretical perspectives and advanced technical training for the production and application of creative expression.
5. Promoting local culture and international cultural exchange through art and culture, as well as providing education and research to support students in taking on leadership roles in society and the arts.

Admission Policy

The ideal candidates for this program are

1. Those aspiring to further enhance creative and research capabilities to pursue their own creativity and self-expression at a high level in the fields of fine arts, design, and industrial arts.
2. Those having a desire to acquire specialized knowledge on various materials and techniques to further develop their own creativity and self-expression.
3. Those eager to cultivate a high level of artistic sensibility and acquire specialized knowledge of artistic culture and research capability.
4. Those wishing to acquire rich knowledge and experience about arts and society in order to play a leading role in promoting local culture and international cultural exchange through art and culture.

Educational Purpose

Master's Degree Program

The purpose of the Master's Degree Program is to foster specialists who can play a leading role as a writer, designer, educator, researcher, curator or art dealer. To this end, greater emphasis is placed on the development of a broad perspective, a strong ability of creative expression and a rich sense of humanity. Students are expected to acquire broader knowledge and hone their skills and techniques and refine their sensitivity in the fields of fine arts, design and industrial arts.

Doctoral Degree Program

1. Fostering artists and researchers

The Doctoral Degree Program will foster professional artists and researchers with extensive knowledge about art and culture by providing students with opportunities to study highly advanced creative expression skills and theories.

2.Developing human resources who are creative minded and who have an international perspective

The Program will develop creative-minded individuals who have multidisciplinary and international perspectives, have a well-rounded personality and a rich sense of humanity, and are capable of adapting to changing trends.

Program Duration

The Master's Degree Program is a two-year course of study, and the Doctoral Degree Program, a three-year course of study. However, those who have achieved outstanding research performance may complete a master's or doctoral degree program in one year or more

Graduate School of Arts

Master's Degree Program

Required Courses

Thesis Writing Workshop / English Language Seminar for Artists A

Elective Courses

Special Fieldwork in Art / English Language Seminar for Artists B / Lectures in Preservation of Cultural Property A ,B

Basic Theory Courses

Seminar in Japanese Art History A,B / Seminar in History of Asian Art and Crafts A,B / Seminar in Western Art History A,B / Seminar in Contemporary Art History A,B / Seminar in Aesthetics A,B

Master's Degree Program

Department of Painting

Developing the ability to create a unique body of work through the study of classics

Content of Education and Research

Our department focuses on a rigorous inquiry into Japanese-Style Painting and Oil Painting.
In the Japanese-Style Painting program, students are expected to have a strong material and conceptual base in classic works, explore various aesthetic sensibilities, and further augment their skills to create unique studio work pertinent to contemporary art practice. The department focuses on two main aspects: 1) Fostering each student to produce a unique body of work, and 2) providing students with a diverse array of mediums and techniques, as well as skills to engage in the reproduction of classic works.
In the Oil Painting program, students explore “realistic representation,” as an extension of the “realistic themes” underlying Western Painting. Specifically, two approaches will be taken: 1) a compositional study of classic works in terms of techniques and materials, and 2) a comparative study of aesthetic senses in the Eastern and Western worlds. Through these approaches, students conduct an in-depth study about Japanese contemporary art, which has been criticized for the loss of the tradition of Japanese painting, while exploring new possibilities of representational painting.

Practical Courses

Studies in Japanese-Style PaintingI,II / Studies in Japanese-Style Painting(including Classical Painting) I,II / Studies in Oil Painting AI,AII / Studies in Oil Painting BI,BII / Studies in Oil Painting CI,CII

Exercise Courses

Japanese-Style Painting Materials and Technique / Oil Painting Materials and Technique

Master's Degree Program

Department of Sculpture

Graduate-level education refining advanced skills through a creative and diverse, research-based approach

Content of Education and Research

To augment the skills acquired in the undergraduate program, students will specialize in various workshops, such as molding, wood carving, stone carving and metal working. Each student is expected to engage in advanced sculptural studies and develop their own creative practice. This graduate program consists of two courses according to materials and techniques, providing teaching and training from diversified perspectives.

Practical Courses

Studies in Sculpture AI,AII / Studies in Sculpture BI,BII

Exercise Course

Site-specific Sculpture Workshop

Master's Degree Program

Department of Design and Applied Arts

Fostering creativity and innovation for the improvement and sophistication of a modern lifestyle

Content of Education and Research

The mission of design and industrial arts is to create a new lifestyle of a higher dimension.
To fulfill this mission, the Department of Design and Applied Arts seeks to explore Japan’s distinctive aesthetic sensibility, cultivated over a long and rich history, and deepen understanding in each specialized field of design and industrial arts. In the graduate program, students aim to produce new, innovative design prototypes in response to the challenges facing the field of industrial arts. The department’s overall goal is to study the role of visual arts as an element of our increasingly diverse and multi-faceted lifestyles from a wide perspective, which encompasses both design and industrial arts. Students will have the opportunity to learn from our excellent faculty in various fields of expertise. This flexible curriculum offers a welcome departure from conventional design and industrial arts programs, and fosters innovation and creativity in the field.

Practical Courses

Studies in Design and Applied ArtsI,II

Exercise Courses

Graphic Design Workshop / Product Design Workshop / Digital Media Workshop / Metal Design Workshop / Textiles Workshop / Lacquer Arts Workshop /

Master's Degree Program

Department of Contemporary Art

Providing research and education on cross-cutting artistic and creative expressions required in the modern era.

Content of Education and Research

By focusing on contemporary artistic and creative expression as well as art work concepts and presentations, rather than on materials and techniques, the Department of Contemporary Art seeks to develop human resources who can excel in arts management. Studies in Contemporary Art are designed for students who have fully acquired fundamentals and basics in their areas of specialization through undergraduate programs, and wish to approach to art from a cross-cutting perspective.

Practical Courses

Studies in Contemporary Art I,II

Exercise Course

Advanced Workshop in Contemporary Art

Doctoral Degree Program

Comprehensive Design and Arts

Developing a multidisciplinary perspective by pursuing theories and techniques for highly advanced creative expressions

Content of Education and Research

At the doctorate level, students are expected to further their level of specialization in each field through theoretical and practical approaches, placing greater emphasis on comprehensive, cross-departmental education and research.

Theory Courses

Special Lectures in Aesthetics / Advanced Seminar in Japanese Art History / Advanced Seminar in Western Art History / Advanced Seminar in History of Asian Art and Crafts / Advanced Seminar in Contemporary Art History / Advanced Seminar in Design History

Practical, Exercise and Other Courses

Doctoral Studiol,II	Painting	Japanese-Style Painting Lab.
		Oil Painting Lab.
	Sculpture	Sculpture Lab.
	Design and Applied Arts	Design
		Industrial Arts
	Contemporary Art	Contemporary Art Lab.
Interdisciplinary Studies		
Dissertation Writing Workshopl,II	Theory	
	Painting	Japanese-Style Painting Lab.
		Oil Painting Lab.
	Sculpture	Sculpture Lab.
	Design and Applied Arts	Design
		Industrial Arts
	Contemporary Art	Contemporary Art Lab.

Hiroshima Peace Institute

Hub of Knowledge and Information in Hiroshima, the International City of Peace and Culture

As a university located in the first atomic-bombed city—Hiroshima, Hiroshima City University established the Hiroshima Peace Institute (HPI) on April 1, 1998 as an affiliated research institute. The institute has engaged in various peace-related research activities with the aim of contributing to realization of sustainable global peace and to the development of local community.

Toward the Abolition of Nuclear Weapons and the Creation of World Peace

Hiroshima is known to the world as a city devastated by nuclear bombing. Inspired by its historical experience, Hiroshima City University established the Hiroshima Peace Institute (HPI) as one of its research units. Through its peace research, the HPI aims to play a role in efforts toward the abolition of nuclear weapons.

Disseminating Information to Citizens and the World

The HPI releases the updates of its activities to the world in a timely manner through its website and newsletter. The Institute also shares its study results with the public by holding such events as “International Symposia” and “Public Lecture Series,” as well as through publications and research papers.

HPI’s Involvement in University and Graduate School Education

Hiroshima has played an increasingly significant role as the hub of knowledge that helps create a world with no war and realize nuclear abolition. HPI researchers give Hiroshima City University’s undergraduate students lectures on the framework of “Peace Studies” and the “Hiroshima-Nagasaki Peace Study Course.” These lectures include “Peace and Human Rights A (Hiroshima and International Peace),” “Peace Studies in Hiroshima: Learning Practical Measures,” “Peace Internship,” summer intensive course “Hiroshima and Peace” and “Hiroshima and Peace Fall Seminar.” HPI researchers also teach “History” and “Jurisprudence (Japanese Constitutional Law).”

To foster researchers who can contribute to global peace and nuclear abolition, HPI researchers also participate in Hiroshima City University Master’s and Doctoral Degree Program education. They teach “International Relations and Peace” as a common course for all graduate schools, and give various lectures for the Graduate School of International Studies: “Introduction to Peace Studies” (as a core of Peace Studies), “Hiroshima and The Nuclear Age,” “Hiroshima and the World,” “Hiroshima and Peace for Graduate Students,” “Contemporary Disarmament and Peace,” “American Culture,” “Civilians in War,” “Modern Japanese History,” “Development Issues in Southeast Asia,” “Peace and Security in East Asia,” and “Japanese History.” Thus, HPI researchers have contributed the results of research to education.

Campus Life and Support

Financial Support

Various scholarships offered by public interest incorporated foundations and other organizations are available. Subject to certain specified conditions, Hiroshima City University also exempts students from part or all of entrance examination fees, enrollment fees and tuition fees, and extends tuition payment deadlines by a certain length of time.

Housing and Daily Life

Hiroshima City University continuously updates and makes available to students information concerning housing, such as studio apartments and private boarding houses.

Extracurricular Activities Support

Hiroshima City University provides information on a wide variety of events via campus bulletin boards and e-mail, so that both Japanese and international students can enjoy campus life. Such events include on-campus events to promote international exchange, as well as international speech contests in Japanese, short-term homestay programs, Japanese culture experience programs and other events held in and around Hiroshima City for international students.

Mental and Physical Health and Safety Support

The Health Service Center (comprising sick room and health counseling room), located on the first floor of the Administration Building, provides not only treatment for illness and injuries but also health counseling.

Prospective Students

Application details and examination dates vary according to the graduate school. For details about admission to graduate school, please contact Admissions Office.

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For more details,please visit our website:
http://www.hiroshima-cu.ac.jp/english/index.php

Hiroshima City University
Graduate School

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