Graduate School of Information, Production and Systems,

Waseda University

早稲田大学 大学院情報生産システム研究科

2023

World Class
@Kitakyushu, Japan

Kitakyushu Campus

A graduate school that brings together international researchers aspiring to research and develop advanced technology

Dean, Graduate School of IPS
FUJIMURA, Shigeru

Waseda University's Graduate School of Information, Production and Systems (IPS) was established in Kitakyushu in 2003. Since then, it has enhanced its standing both as an international graduate school that attracts students from around the world, especially from Asia, and also as one that aims to contribute to society by creating cutting-edge technologies and putting them to use in manufacturing. Today, many Japanese and international students, with high hopes for research on new technologies, are inspiring each other across national boundaries. In doing so, they work enthusiastically on advanced research issues in Information Architecture, Production Systems, and Integrated Systems, or areas where these fields intersect.

IPS provides a stimulating educational system where students from a variety of backgrounds can come together in an environment of collaboration between industry, academia and government, where they can engage with the seeds of new technologies, the needs of industry, and a philosophy that aims to integrate new technologies into the way we live in society. Through this system, it aims to develop individuals who set ambitious goals, possess a spirit of taking on challenges, and hold a global outlook based on the three central principles of Waseda University. The program fosters the ability to acquire fundamental academic skills, to think for oneself, to set out problems and to carry out research, developing personnel who can sense trends, give shape to the latest technology, and achieve useful results in the real world. We believe that the experience of working hard to think for themselves and achieve their goals will be a very valuable asset in students' future lives.

More than 3,000 outstanding students have already graduated from IPS, venturing out into society with the pride of having completed their own research. Today, they are active as global leaders in industry, research and educational institutions around the world. Going forward, IPS will continue to make great strides as a research and education institution, promote research in advanced technologies that can be shared with the rest of the world, and enhance its presence in Japan and abroad as an educational center that develops the human resources in demand across the globe.

The Objectives of the Human Resource Training and the Education & Research in the Graduate School of Information, Production and Systems, Waseda University

IPS aims to train prospective researchers and engineers who can solve complicated contemporary technical problems by utilizing high insight and advanced knowledge capable of creating new values in the real world and in scientific fields. As research areas of IPS, there are three research areas: Information Architecture, Production Systems, and Integrated Systems. Through education and research at IPS, you will acquire the ability to apply basic knowledge to real world problems as well as professional knowledge. It is expected to acquire information literacy and problem finding ability, logical thinking ability and problem solving skills, practical leadership and international communication ability. In Kitakyushu where IPS is based, new industries such as automobiles, robots and environmental business are expanding. By participating in joint research with companies and national projects and actually applying research results, you can enjoy the real pleasure of research and development. IPS will deliver world-class research results from Kitakyushu.

Waseda University
(Waseda Campus, Tokyo)

Contents

Mission

On Waseda University's 30th anniversary in October 1913, President Shigenobu Okuma proclaimed its newly adopted Mission Statement.

As the fundamental statement of its educational policy, the mission was drafted by Sanae Takata, Shoyo Tsubouchi, Kenkichi Ichijima, Kazutami Ukita, Yasukuni Matsudaira and their colleagues, and approved by Okuma before its presentation at the anniversary celebration.

In 1937 a monument inscribed with the mission statement, in calligraphy by Hisoka Maejima, was installed near the main gate.

Independence of Scholarship

Independence of Scholarship is tightly connected with the outsider's spirit and a critical mind. Waseda University has promoted scientific education and research without bending to authority or temporal fashion, in order to produce independent modern citizens.

Practical Application of Scholarship

In the historical context, academic enterprises had to be useful for construction of the modern nation-state of Japan which was underway at that time. So the founding principle of Practical Application of Scholarship focuses not on shallow pragmatism but the spirit of progressivism.

Fostering of Good Citizens

The University was established with a focus on educating the common people, and Fostering of Good Citizens is one of the three founding principles. In today's context of globalization, it also means Good Global Citizenship. The founding principles and the Waseda Spirit which has grown from them are our legacy and the culture which we embrace.

Internationalism of IPS

A global graduate school, IPS attracts the largest number of distinguished international scholars in Japan.

Providing a hybrid environment where the student can experience Japanese culture and life while conducting research in English

Coming from all over the world - in particular Asia - to study at IPS, students speak a variety of languages and come from diverse cultures and social backgrounds. While they take lectures and conduct research in English, IPS provides a hybrid environment where students experience Japanese culture and life in a cross-cultural setting with a variety of languages spoken. The experience of studying abroad at IPS will provide you with an invaluable life experience.

Fostering world-class researchers and engineers in a wide range of research areas from fundamental to applied research

Here at IPS, we promote world-class research. The student determines the direction of his or her studies within this research setting. Lab seminars offer lively discussions in which professors, postdocs, and PhD students take part. In turning out world-class researchers and engineers, we encourage students to write journal articles and present their research results at leading international conferences.

Partnership and interchange with leading overseas universities in Asia and beyond.

IPS is engaged in partnerships and interchange with many leading overseas universities, especially in Asian countries such as China, South Korea, Thailand, and Malaysia.

Main Overseas Partner Universities

CHINA
School of Graduate Students, School of Automation, Beijing Institute of Technology
School of Information Science and Technology, Beijing University of Chemical and Engineering
School of Software Engineering, Chongqing University
International Office, Dalian University of Technology
School of Information Science and Technology and 3 others, Fudan University
Jilin University
Department of Computer Science and Technology, Software Institute, Nanjing University
School of Electronics Engineering and Computer Science, Peking University
School of Electronic, Information and Electrical Engineering, Shanghai Jiao Tong University
Graduate School, Shanghai University
College of Computer Science and 8 others, Sichuan University
International Office, South China University of Technology
School of Electronic Science and 10 others, Southeast University
Graduate School, Tongji University
Department of Computer Science and Technology, Tsinghua University
University of Electronic Science and Technology of China
School of Information Science and Technology, Xiamen University
Xidian University
Faculty of Information Technology, Zhejiang University
School of Opto-Electronic Engineering, Nanjing University of Posts and Telecommunications
School of Electrical Engineering, Xi'an Jiaotong University
School of Economics and Management, Beijing Jiaotong University
School of Science, Tianjin University
School of Engineering, China University of Geosciences (Wuhan)
School of Computer Science, Wuhan University

TAIWAN
College of Electrical Engineering and Computer Science, National Cheng Kung University
College of Electrical Engineering and Computer Science, National Central University
College of Mechanical & Electrical Engineering, College of Electrical Engineering & Computer Science, National Taipei University of Technology
College of Electrical Engineering and Computer Science, National Taiwan University

VIETNAM
School of Electronics and Telecommunications, School of Information and Communication, Hanoi University of Science and Technology
Faculty of Electrical and Electronics Engineering, Faculty of Computer Science and Engineering, Faculty of Mechanical Engineering, Hochiminh City University of Technology

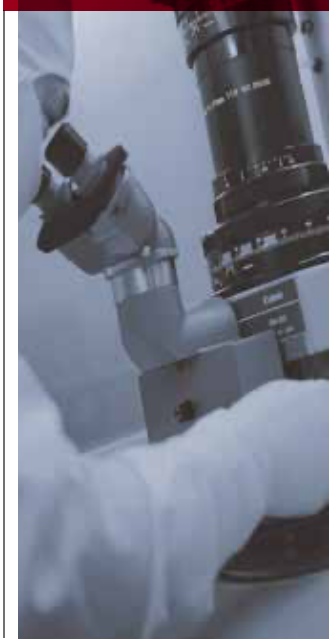
KOREA
College of Engineering, Chonnam National University
College of Engineering, Pusan National University
Department of Computer Engineering, Pai Chai University

MALAYSIA
Malaysia-Japan International Institute of Technology
Universiti Teknologi PETRONAS

THAILAND
Faculty of Engineering, Chiang Mai University
Faculty of Engineering, Chulalongkorn University
Thammasat University
Sirindhorn International Institute of Technology

PHILIPPINES
School of Science and Engineering, Ateneo de Manila University

Advanced projects of IPS

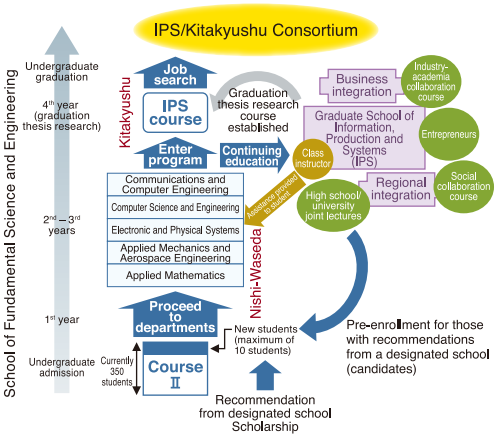


IPS conducts many joint projects along various lines of cooperation: national, regional, enterprise, and institutional.

Development of consortium-based education and research

Implementing practical joint research with member companies, visiting professors from the Waseda University IPS/Kitakyushu Consortium provide an education that meets real world needs. The Consortium also provides community-oriented educational programs and projects focusing on the future of SMEs and a changing industrial structure.

IPSKC Course on Industry-Academia Collaboration (an example of activities)



Conceptual diagram of the collaborative entrance exam/education program (including consortium and high school/university) relationship between the School of Fundamental Science and Engineering and the Graduate School of Information, Production and Systems

https://www.waseda.jp/top/news/47859

Joint Graduate School of Intelligent Car, Robotics & AI

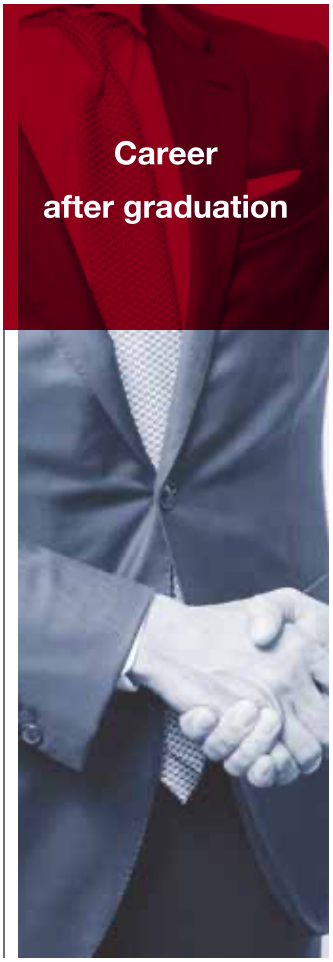
Three universities in Kitakyushu Science and Research Park (Waseda University, University of Kitakyushu, Kyushu Institute of Technology) have combined their respective strengths to offer to joint graduate school courses. These were "Car Electronics course" in 2009, "Intelligent Car Robotics course" in 2013 and "AI sub-course" in 2017. In 2019, these courses were reorganized and integrated as "Joint Graduate School of Intelligent Car Robotics and AI course". This is designed to train highly skilled specialists possessing the applied skills needed to become leaders in the next-generation, and graduates from this course are expected to take on active roles in industry.

Active Research Exchange

IPS has participated in various research projects at a national level as an educational and research institution which supports the development of science and technology. Besides, IPS cooperates with overseas universities and companies and advances many collaborative researches every year for development cutting-edge of technology.

[Achievement]

- Program for Leading Graduate Schools – Graduate Program for Embodiment Informatics
- Top Global University Project
- NEDO「SIP (Cross-Ministerial Strategic Innovation Promotion Program) ／ Next-generation power electronics」
- Project on software engineer training program on Basic Software for System LSI design
- Highly Specialized Educational Program for the Career Development of Foreign Students from Asia
- Support Project for Strategic Universities Cooperation
- Global COE Program "International Research and Education Center for Ambient SoC"
- International Cooperation Project
- Intelligent Cluster Creation Project-1st Stage
- Regional Innovation Cluster Program (Formerly known as Intelligent Cluster Creation Project-2nd Stage)



Proven job-placement results set Waseda apart. Graduates are making their mark in a host of leading enterprises.

Robust job-placement support at IPS

The demand for globalization and informanization in all areas of business today means that an ever-expanding field of opportunity awaits IPS graduates, with their combination of wide-ranging specialized knowledge, creativity, and solid practical and communicative skills. You can strengthen your placement prospects still further at IPS through involvement in enterprise-funded research or collaborative projects.

Academic institution employment for IPS graduates (Doctor holders)

Dalian University of Technology
Shenyang Ligong University
Dongbei University of Finance and Economics
Yanbian University
Beijing Jiaotong University
Nankai University
Henan University of Economics and Law
Henan University of Technology
Fudan University
Wuhan University
Nanjing University of Posts and Telecommunications
Nanjing University
Nanjing University of Finance and Economics
Tongji University
Zhejiang GongSheng University
Zhejiang University of Technology
Xi'an Jiaotong University
Southeast University
East China University of Science and Technology
Sun Yat-sen University
Shanghai Maritime University
Shaanxi Normal University
Dali University
National Cheng Kung University
National Chengchi University
Yonsei University
Dong-eui University
Pusan National University
Universiti Tun Hussein Onn Malaysia
Universiti Teknikal Malaysia Melaka
National University of Singapore
State University of Malang
Stanford University

Main places of employment for IPS graduates

●Electronics, Information, Telecommunication and Semiconductor
NTT
Microsoft Japan
Hitachi
Mitsubishi Electric
Canon
Sony
IBM Japan
Rakuten
Panasonic
Toshiba
NEC
Fujitsu
SHARP
Softbank
ROHM
ADVANTEST
Renesas Electronics
TOKYO SEIMITSU
Murata Manufacturing
Fuji Electric
RICOH
SEIKO EPSON
KONICA MINOLTA Japan
KYOCERA
OMRON
Yokogawa Electric
Accenture Japan
Brother Industries
ZENRIN
Foster Electric
Fuji Xerox
Samsung Electronics
LG Electronics
Huawei Technologies
Alibaba Group

●Automobile
TOYOTA
NISSAN
Honda
Mazda
DENSO
Mitsubishi Motor
DAIHATSU
YAMAHA
Aisin Seiki
JTEKT

●Energy, Plant, Machinery and Metal
NIPPON STEEL
Mitsubishi Heavy Industries
Kobe Steel
Kyushu Electric Power
Tohoku Electric Power
The Chugoku Electric Power
FANUC
JGC
Komatsu
Asahi Kosan
Idemitsu Kosan
YKK AP
Schlumberger
JX Holdings
Hitachi Zosen

●Chemistry and Food
SUMITOMO CHEMICAL
Mitsui Chemicals
FUJIFILM
TORAY
Dai Nippon Printing
ASAHI BREWARIES
NISSIN FOODS HOLDINGS

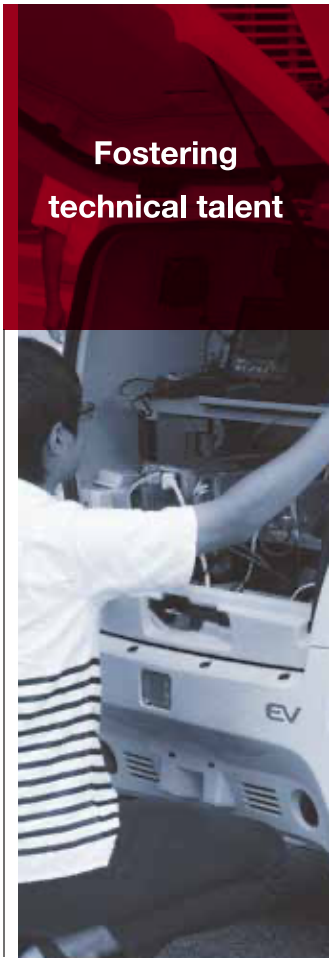
●Railway and Airline
Japan Railway
ANA
Nishi-Nippon Railroad

●Public office, Finance and Others
Ministry of Land, Infrastructure, Transport and Tourism
City of Kitakyushu
Centre national de la recherche scientifique
Nomura Research Institute
Daiwa Institute of Research
Nagasaki Broadcasting Company
Sendai Television
Nishinippon Shimbun
Sumitomo Mitsui Banking
Japan Post Bank
ORIX Bank
The Hongkong and Shanghai Banking
Nomura Securities
Shimizu
SECOM

IPS stands out as a base of venture start-ups

Some students and graduates of IPS have put their research results to work serving society across a wide range of venture businesses. Dr. Yoshinaga, a graduate of the doctoral program, is making his mark in the IT industry with a company he set up to provide calendar services and application services based on the theme of "creating new value from logs."

YOSHINAGA, Hirokazu
Doctoral Degree



An environment opens to varied learning opportunities, where you can prepare for an Excellent Career in a borderless age.

Five strategic talent models to prepare you for an Excellent Career

1. Researchers engaged in globally competitive advanced research and development
2. Managers and administrators who understand the social and economic impact of technology
3. Engineers capable of drafting management strategies and planning their implementation
4. Entrepreneurs who know how to make the most of advanced information technology
5. Consultants and others with a need for comprehensive knowledge of information technology

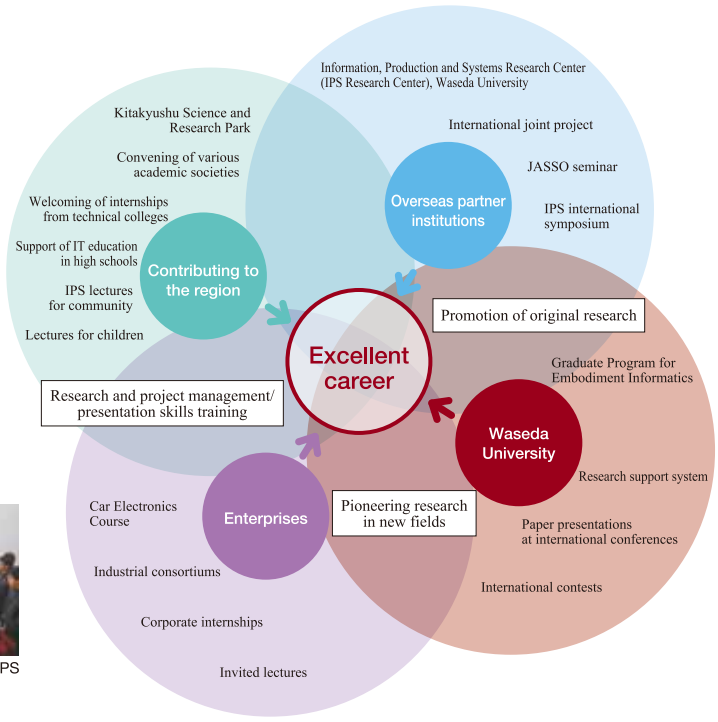
International collaboration Symposium on IPS

Collaborative learning at IPS

IPS offers an original "collaborative learning" educational environment that includes various projects such as cooperation with overseas universities and research laboratories, as well as joint research and regional service activities with companies. This practical approach to education with emphasis on collaborative projects lets you prepare for an Excellent Career in which you can play an active role on the global stage.

Training assembling & dismantling car engine at factory

Local junior high school visiting IPS



The three fields of IPS

IPS comprises the three fields of Information Architect
fields. Moreover, we provide lectures that encompass
with a generalist's perspective. We also accept a wide

I Information Architecture

Designing new uses of information,
from media to management engineering.

Features of the Information Architecture field

Coverage of the entire field of information and telecommunications, from information sensing, transmission, analysis, to decision making.

Education of state-of-the-art theories and applications of information and AI technologies, with emphasis on academic-industrial cooperation.

Career development support assuming various students from different backgrounds, and that supports the development of a wide range of careers.

Research Area

●Information and communication model ●Computational intelligence
●Language and media information ●Social and management informatics
●Robotics & mechatronics ●Fiber-optic systems

●Smart Industry ●Neurocomputing Systems
●Data Engineering ●Image Media ●Bio Information Sensing
●Example-based machine translation/NLP
●Bio-Robotics & Human-Mechatronics ●Fiber-optic systems
●Community Computing ●Network Intelligence and Security

P Production Systems

Creation of innovative values through
new production technologies.

Features of the Production Systems field

Covering all essential domains for productive activity from development to materials, assembly/manufacture, measurement, control, diagnosis, logistics, and management.

Training researchers and highly skilled engineers to meet the challenges of a globalized manufacturing industry in Asia and the world.

Education and research with full coverage of both software and hardware in a practical ambiance.

Research Area

●Machine design and Robotics
●Sensor, Advanced materials, and Applied measurement
●Healthmonitoring system ●Intelligent and Process Control system
●Process monitoring and Equipment management

●Design Engineering and System ●Mobile Robotics Platform
●System Control ●Micro and Nano Fluidic Device ●Current Bioelectronics
●Mechanical System Design ●Production Process ●Functional Thin Films
●Power Semiconductor Devices ●Biomedical Engineering

S Integrated Systems

Creating innovative integrated systems
with leading-edge technologies.

Features of the Integrated Systems field

Our field covers wide range study of integrated system applications and their fundamental technologies.

Faculty members mostly from top-level corporations conduct practical research and education under strong relation with industries.

Fine research environment is provided based on public and industrial research funds by collaborative projects for future IT society.

Research Area

●Acoustic and Image Information ●Analog and High-frequency Circuits
●Optical Integrated Circuits
●Ultra Large-scale IC, High-speed and Low-power LSI
●System Optimization and Verification ●MEMS Sensor

●Intelligent Acoustic Systems ●Image Information Systems
●Integrated System Optimization ●High-Level Verification Technologies
●Dependable Information Systems ●Wireless Communication Circuits Technologies
●Micro Electro-Mechanical Systems ●Light Emitting Systems
●Opto-electronic Integrated Systems ●Emerging Memory Systems

ure, Production Systems, and Integrated Systems, giving you broad, interconnected coverage of both software and hardware across expertise in both state-of-the-art technology and management, enabling you to become a technologically well-informed specialist range of mid-career students.

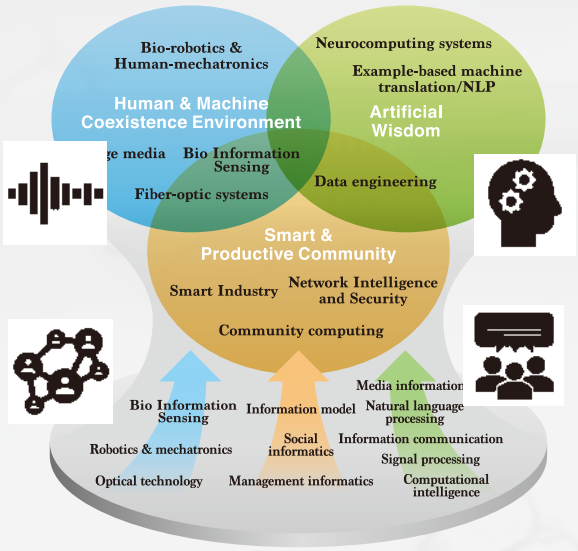
Education encompassing practicality

Curriculum covering from fundamental knowledge to cutting-edge applications
Exercises nurturing applicable knowledge

- Deep learning
- Data science
- Natural language processing
- Media understanding and applications
- Communication and network
- Human interaction

Education open to society, paving the way for Society 5.0

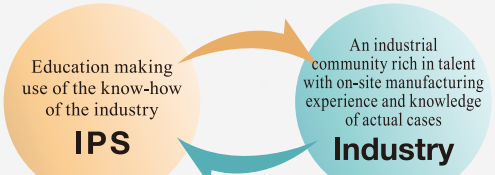
Together with technical expertise, we aim to cultivate the abilities of co-creation and having a bird's-eye perspective that are necessary to thrive in the society of the future.



Information and technologies encircling smart society

Safe and secure society and comfortable environment comprised of human, information and things. The information architecture field is tackling research on information and system technologies in wide spectrum and its application, which support upcoming smart society

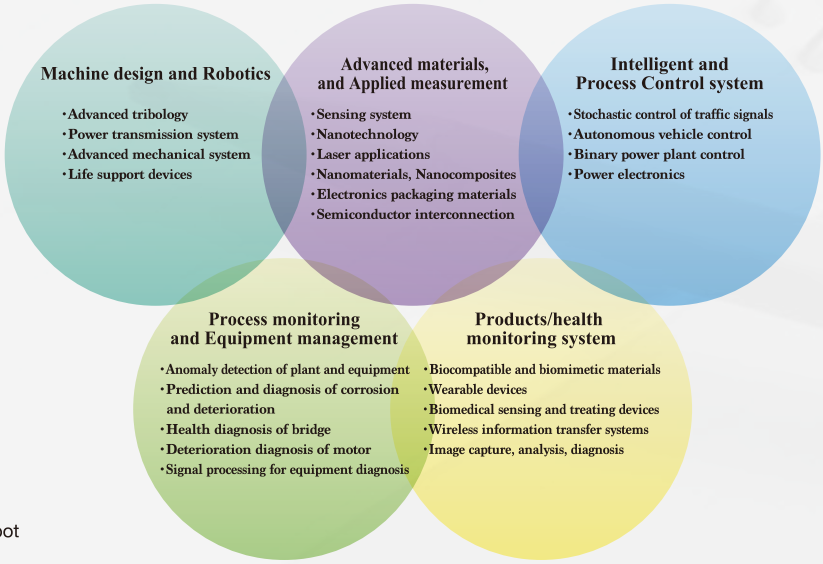
Cooperation with domestic industries



- Systematizing individual cases and skills
- Human resource development programs
- Practical courses (in cooperation with industries)
- Re-training of core human resource for production department

- Presenting work front needs
- Providing development example
- Dispatching lecturers with experience in company
- Providing engineering training site

Walking-assist robot



Distinctive features of the educational program

SoC(System on Chip) Design and Test

- Advanced Environment for LSI Design Training
- Trial Design for Communication, Video-processing, etc.

Systematic Educational Course

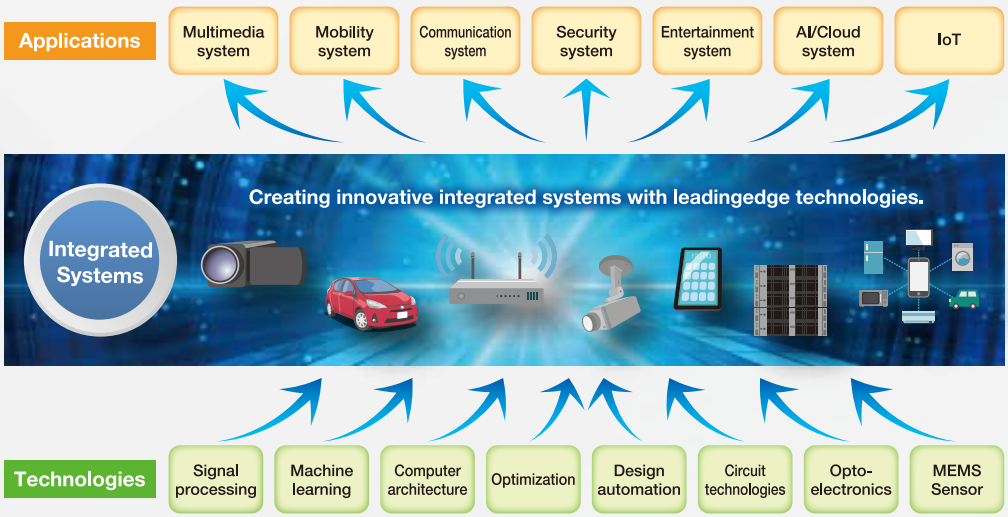
- Both Hardware and Software for SoC
- Fundamental and Advanced Courses on Algorithms and Software

Education on SoC Design

- Trial Design by using FPGA Devices
- Chip Design and Evaluation

Collaboration with Industries and Academic Associations

- Joint research with Companies or Organizations of Electronics, Communication, Semiconductor, Automotive, etc.
- Research cooperation with top grade universities and academic associations inside and outside Japan.



Faculty members

Waseda IPS Faculty Search

● Information Architecture

Professor
FUJIMURA, Shigeru
Dr. of Engineering
(Waseda University)

【Research Area】
Production Planning and Scheduling
New Generation Production Systems
Smart Factory
Supply Chain Management
Digital Transformation
Business Process Modeling

【Message】
Experience the thrill of research first hand!
Everyone's opinions will be respected, and positive debate and discussion is most welcome!

Web http://www.smartindustry.jp/

Professor
FURUZUKI, Takayuki
Dr. of Information Engineering
(Kyushu Institute of Technology)

【Research Area】
Neural Networks
Genetic Algorithms
Bioinformatics
System Identification and Control
Optimization Systems

【Message】
Guys who are interested in brain information and life behavior, let's study together!

Web http://www.waseda.jp/sem-hflab/

Professor
IWAIHARA, Mizuho
Dr. of Engineering
(Kyushu University)

【Research Area】
Database Query Processing
Web Information Systems
Text Mining
Knowledge Engineering
Social Media

【Message】
Mountaineering, fishing, and etc. are my favorites, and loving the nature.

Web http://www.iwaihara-lab.org/pub/

Professor
KAMATA, Sei-ichiro
Dr. of Engineering
(Kyushu Institute of Technology)

【Research Area】
Image Processing
Pattern Recognition
Biometrics
Image Database
Space Filling Curves and Fractals

【Message】
Nothing is as valuable as image. One of my hobbies is listening to BGM, and I have now more than 400 CD's and LP's.

Web http://www.waseda.jp/sem-kamlabo011/

Professor
KAMEOKA, Jun
Ph.D
(Cornell University)

【Research Area】
Biosensor
IOMT
Wearable sensor

【Message】
I love lure fishing. Lets' research on new biosensor system.

Professor
LEPAGE, Yves
Dr. Hab
(Grenoble University)

【Research Area】
Machine Translation
Natural Language Processing
Learning by Examples, Example-based Methods
Differences and Similarity, Analogy

【Message】
Language is still a new frontier for revolutionary ideas.
Experience research in a friendly atmosphere open to original opinions.

Web http://lepage-lab.ips.waseda.ac.jp/

Professor
MATSUMARU, Takafumi
Dr. of Engineering
(Waseda University)

【Research Area】
Remote Operation System of Mobile Robot
Preliminary Announcement of Mobile Robot's Intention
Form and Movement of Human Synergetic Robot
Interaction with Human Symbiotic Robot
Measurement and Analysis of Human Motion and Behavior
Systematic Learning on Mechatronics

【Message】
Let's grow up together developing a new field at the meeting ground for people who have a new way of thinking and extraordinary abilities regardless of areas or aspects.

Web http://www.waseda.jp/sem-matsumaru/
http://www.f.waseda.jp/matsumaru/

Professor
TSUBOKAWA, Makoto
Dr. of Engineering
(Hokkaido University)

【Research Area】
Fiber-Optic Sensing Technology
Optical Functional Device Technology
Reliable Network Architecture
Optical Transmission System Technology

【Message】
Optical fiber technologies open up many possibilities for the future. I'm expecting your cool ideas, let's study together.

Web http://www.f.waseda.jp/tsubokawa.m/

Professor
YOSHIE, Osamu
Dr. of Engineering
(Waseda University)

【Research Area】
Virtual Community
Agent
Multi-player Interaction
eMaintenance
Consensus Building Process
Knowledge Logistics

【Message】
God made the country, and man made the town.

Professor
WU, Jun
Dr. of Science in Global Information and Telecommunication Studies
(Waseda University)

【Research Area】
Network Intelligence
Network Security
Application and System Development of Intelligent Security

【Message】
Let's make the networks smarter and securer!

Lecturer
IEIRI, Yuya
Dr. of Engineering
(Waseda University)

【Research Area】
Agent Simulation
Human Computer Interaction
Augmented Reality
Internet of Things
Tourism Informatics

【Message】
A journey of a thousand miles begins with a single step.
Let's study together and start a step towards your goals.

● Production Systems

Professor
ARAKAWA, Masao
Dr. of Engineering
(Waseda University)

【Research Area】
Design Engineering
Multi-Objective Optimization
Design Thinking
Diagnosis

【Message】
Multi-Objective optimization (MO) is doors for any fields. You can find new ways to be applied, when you join in new projects. Let's enjoy with MO.

Professor
HASHIMOTO, Kenji
Dr. of Engineering
(Waseda University)

【Research Area】
Autonomous Mobile System
Humanoid Robot
Next-generation Mobility
System Integration

【Message】
Let's develop practical robot systems together to solve social issues. Through the development, cultivate your engineering sense, design skills, and problem finding and solving ability.

Web https://hashimoto-lab.jp/en/

Professor
LEE, Hee-Hyol
Dr. of Engineering
(Waseda University)

【Research Area】
Intelligent Control
Cooperative Action Learning Control of Robot Group
Decoupling Control of Large-scale System
Sliding Mode Control
Practical Realization of Ultra-compact Binary Power Generation
Traffic Flow Modeling by Cellular Automaton
and Stochastic Optimal Control of Traffic Signals
Bayesian Network and Production & Inventory Control

【Message】
My hobbies are outdoor sports such as hiking, camping, skiing, fishing, etc. We learn from nature, and we are inspired by nature to realize human being knowledge, wisdom and intelligence by using computer control.

Professor
MAWATARI, Kazuma
Dr. of Engineering
(The University of Tokyo)

【Research Area】
Micro and nano fluidic device
Nano solution chemistry
Ultrasensitive chemical and bio sensing
Laser spectroscopy
Software (control, signal processing, AI, system, etc.)
Social implementation

【Message】
The students and researchers from various research fields are welcomed because of the multidisciplinary characteristic of the micro and nano fluidic research.

Professor
MIYAKE, Takeo
Dr. of Engineering
(Waseda University)

【Research Area】
Bioelectronics
Biofuel cell system
Wearable device
Implantable device

【Message】
My hobbies are soccer, snowboard and BBQ. If you like this, we will enjoy university life together. My research focus is on safe and soft bioelectronics for seamless interfaces between devices and humans. If you are interested in this field, let's work together.

Web http://www.waseda.jp/sem-miyake/index.html

Professor
TANAKA, Eiichiro
Dr. of Engineering
(Tokyo Institute of Technology)

【Research Area】
Machine Design
Mechanisms
Machine Elements
Assistive Engineering

【Message】
I'd like to create useful machines using various mechanisms. Let's study together.

Web http://www.f.waseda.jp/tanakae/index.html

Professor
TATENO, Shigeyuki
Dr. of Engineering
(Kyushu University)

【Research Area】
Production Process
Simulation Techniques
Reliability Engineering
Information and Production Process

【Message】
In my free time, I like to build custom personal computers.

Web http://www.f.waseda.jp/tateno/

Professor
UEDA, Kenji
Dr. of Science
(Osaka University)

【Research Area】
Electronic functional materials
Thin film growth
Carbon electronics
AI electronics

【Message】
We have been trying fabricating novel functional materials by using thin film growth technique. Please visit our laboratory if you are interested in creating novel materials or the world of nanotechnology.

Web http://www.f.waseda.jp/k-ueda/

Professor
INUISHI, Masahide
Ph.D.
(Northwestern University)

【Research Area】
Power Electronics
Power Semiconductor Devices and Reliability
Modeling for Circuit Simulation

【Message】
I have developed semiconductor devices over 34 years. My research target is to study semiconductor devices playing key roles in power electronics.

Professor
TAKAHASHI, Junko
Dr. of Engineering
(Tohoku University)

【Research Area】
Biomedical Engineering
Biological Information Analysis
Medical Device Technology
Radiodynamic Therapy
Photodynamic Therapy

【Message】
Engineering way of thinking is critical for understanding of the living organisms and progress of the medicine. Let's study and work together on unmet medical needs that have not been satisfied yet.

Lecturer
MÉHES, Gábor
Dr. of Engineering
(Kyushu University)

【Research Area】
Organic Electronics and Photonics
Advanced Materials and Devices
Microbial Electrochemical Systems
Bacterial Electronics

【Message】
I was lucky to experience the largest and leading labs in several countries and also industry. I invite you to work and grow with me in a respectful atmosphere. For hobbies I enjoy doing aikido, kickboxing, biking, hiking, drinking tea, etc.

For further information of research and contact to professor Office koho-ips@list.waseda.jp +81-93-692-5017

● Integrated Systems

Professor
IKENAGA, Takeshi
Dr. of Information & Computer Science
(Waseda University)

【Research Area】
Video compression System
Video recognition System
Video communication System
Digital signal processing LSI

【Message】
I'm supporter of the Waseda rugby football team. I hope they will win the championship this year!

Web http://www.f.waseda.jp/ikenaga/

Professor
KIMURA, Shinji
Dr. of Engineering
(Kyoto University)

【Research Area】
High-level Design and Verification
Application Specific High-level Synthesis
Hardware/Software Codesign
Dependable Computing

【Message】
I like to read books, especially mysteries. I would like to do the research and education with kindness, politeness and thoughtfulness.

Web http://www.waseda.jp/sem-vlsi/

Professor
MAKINO, Shoji
Dr. of Engineering
(Tohoku University)

【Research Area】
Blind Source Separation
Speech Enhancement
Acoustic Scene Analysis
Acoustic Signal Processing

【Message】
Challenge to submit your results to international conferences, discuss with your friends in the world, and enjoy your research activity!
My hobbies include walking, traveling, skiing, and diving.

Professor
SHINOHARA, Hirofumi
Dr. of Information
(Kyoto University)

【Research Area】
Dependable LSI
Hardware security
Stochastic computing
Energy efficient circuits and systems

【Message】
Expertise covers memory, logic, and extremely low-power circuits and systems. A lot of research experience in a company and collaboration with universities. Won't it be exciting that your discovery or invention would come to a proposition of new information system for social? Those who are interested are welcomed! Hobby : Weekend climber of domestic mountains, sometimes challenges trail running at down-hill.

Web https://www.waseda.jp/sem-dpnd/

Professor
YAMASAKI, Shintaro
Dr. of Engineering
(Kyoto University)

【Research Area】
Optimal design
Integrated systems
Mobility
Machine learning

【Message】
I learned the actual manufacturing of integrated devices at a company and have been engaged in research on optimization at a university. Optimization of integrated systems has the potential to bring various innovations in society. I am looking for people to work together on research that will change the world.

Web http://www.f.waseda.jp/s_yamasaki/index-en.html

Professor
YOSHIMASU, Toshihiko
Dr. of Philosophy
(Kobe University)

【Research Area】
High Frequency IC(RFIC) Design Methodology
Analogue IC Design Methodology
High Frequency Device Modeling and Measurement Technique

【Message】
Microwave has widely come into our life. Why do not you have an interest in microwave ICs?

Web http://www.f.waseda.jp/yoshimasu/

Associate Professor
IKEHASHI, Tamio
Dr. of Science
(University of Tokyo)

【Research Area】
MEMS sensors
(mode-localized sensors, vibration sensors, gyros, flow sensors)
MEMS application systems
MEMS-IC systems

【Message】
Let's research together on MEMS, which are applied in various sensors and actuators. My hobby is jogging, road-bike and driving.

Associate Professor
KAKITSUKA, Takaaki
Dr. of Engineering
(Kyushu University)

【Research Area】
Semiconductor Lasers and Light Emitting Devices
Optical Circuit Design
Nanophotonics
Optical Signal Processing

【Message】
We are studying semiconductor lasers and their information communication applications. Photonics is advancing in various fields, where you can make use of a wealth of knowledge and ideas. Let's create "shining" technologies together!

Associate Professor
TAKAHATA, Kiyoto
Dr. of Engineering
(Tokyo Institute of Technology)

【Research Area】
Opto-Electronic Integrated Circuits
Optical Semiconductor Devices
Silicon Photonics
Microwave Photonics

【Message】
Opto-electronic integration, which combines photonics and electronics, is one of key technologies for Super Smart Society. Let's study together on new devices and systems for a future society.
I like playing sports and traveling.

Professor
OHSAWA, Takashi
Dr. of Engineering
(University of Tsukuba)

【Research Area】
Nonvolatile Working Memories
Emerging Memories
Storage Class Memory (SCM)
Neuromorphic Device

【Message】
We study memory architectures suitable for artificial intelligence. Those interested in memory research are welcome. My hobbies include music.

Lecturer
NISHIZAWA, Shinichi
Dr. of Informatics
(Kyoto University)

【Research Area】
Standard cell library design
Variation aware design
EDA (Electronic design automation)

【Message】
The continuous scaling of semiconductor devices is now approaching the physical limits. By process technology and design co-optimization, we are trying to further overcome this problem at the physical level design.

● Common Field

Guest Professor
FUJINO, Naoaki

【Research Area】
Industrial Policy
Operations Management
Supply Chain Management
Physical Internet
DX(Digital Transformation)

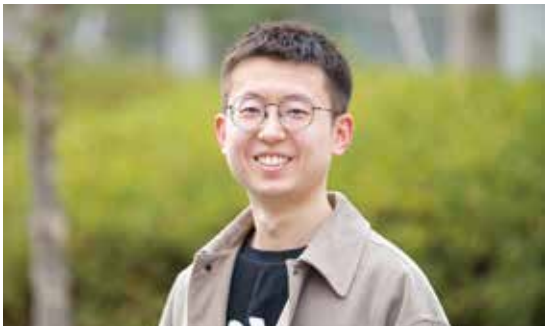
【Message】
The progress of information technology and the high economic growth of emerging markets have impacted significantly on business strategies. The system of systems becomes indispensable with individual systems interlinked. Industrial structures, business models and innovation models are required to change. I invite you to discuss together, those who want to be entrepreneurs, managers or consultants, and those who wish to gain an overview of science, technology and society.

Web https://www.nri.com/en/people/lst/iis/fujino

For further information of research and contact to professor Office koho-ips@list.waseda.jp +81-93-692-5017

Students

Waseda IPS Student message Search



XU, Zhewei

China

Zhejiang University
Entered Doctoral program in April 2021(Iwaihara lab)

Waseda IPS provides a great platform to carry out research. Advanced facilities are available here and you can easily access them and conduct your research work. There are diversified research programs and topics you can choose to work on according to your interests. The research topics in my laboratory are centered on information retrieval and data engineering, including text classification, sentiment analysis, document summarization and key phrase extraction. Regular group meetings provide us the chance to communicate and discuss with our supervisor and lab members. We are also encouraged to take part in academic forums and international conferences, through which we can exchange ideas with scholars all over the world, get different perspectives and have a deeper insight into our own subjects.

SAKAI, Miyu

Japan

Waseda University
Entered Master's program in April 2022(Takahashi lab)

Graduate School of Information, Production and Systems (IPS), Waseda University has a large number of students from various background. We can work hard on our research activities while engaging in mutual friendly competition with fellow students from different cultures who may hold vastly different values. IPS consists of three fields: *Information Architecture, Production Systems and Integrated Systems.* One of the advantages at IPS is that students may choose a research subject in a field of interest to them. What's more, significant R&D is conducted in collaboration with other local universities, research institutes, companies, and similar organizations. I belong to Biomedical Engineering Laboratory, where we work on the medical application of light and radiation technology. Seminars are held regularly in the laboratory, with the student able to gain a better understanding of his or her research area through discussions with supervisors and laboratory members. The students should thus have no problem finding a suitable research area at IPS, where research opportunities exist in a wide range of fields.

EGET, Matthew Talbot

United States of America

University of Georgia
Entered Master's program in September 2021
(Lepage lab)

Entering a master's program can be a frightening, challenging experience, but I have found IPS to be incredibly helpful, resourceful, and conducive to my studies. When I selected IPS for my graduate school, I was uncertain of what my future in a graduate program would be and what I wanted to study. However, IPS presented plenty of opportunities to get to know the professors and areas of study so that I was able to make an educated decision of what lab/field to enter. Since selecting Information Architecture - Example-based machine translation/NLP laboratory, I have never once regretted it. I love researching NLP, spending time with my fellow master's students, and learning more under the guidance of IPS's masterful professors. I am truly thankful to attend IPS, and I hope to bring a positive image to this university for years to come.

GATUS, Daniella Marie Beltran

Republic of the Philippines

University of the Philippines, Diliman
Entered Master's program in September 2021
(Miyake lab)

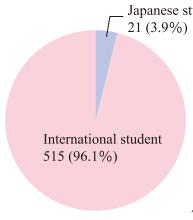
Graduate School of IPS, Waseda University is composed of a wide range of research fields. As an international scholar, I had the opportunity to expand my horizon in research studies and enjoy Japanese culture at the same time. Your courses of interest will lead you to a specific laboratory, complete with advanced facilities and equipment, where you can enhance your skills and share your technical knowledge in the field. In Current Bioelectronics Laboratory, we focus on breaking the barrier between humans and electronics by producing wearable and biocompatible electronic devices. national and international conferences await and lead to your success!

HUANG, Ridong

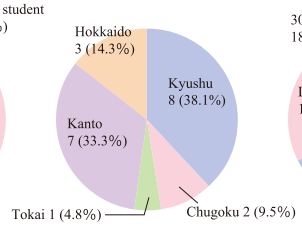
China

Xidian University
Entered Master's program in September 2021
(Kimura lab)

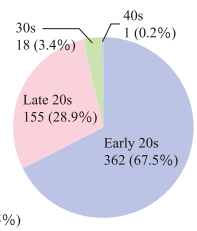
IPS is a very liberal and well-equipped platform which provides ample opportunity to choose our desired research field. According to our preferences, studying objectives and language habits, students can take any courses we want as IPS has a wide variety of courses. With various fields of research, we could chat freely with highly talented professors who always respond to us kindly and patiently. After deciding our research direction, professors will train our ability to think independently in research through weekly seminars. Besides, professors and staffs of IPS are always happy to help you whether you are planning to take up a job or pursue further research for a doctoral degree after obtaining master's degree.



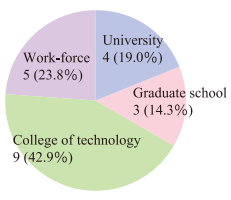
Student by nationality



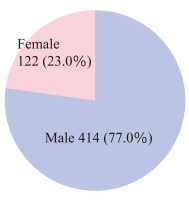
Student by region (Japanese)



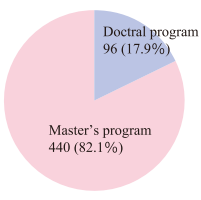
Students by age



Student by school (Japanese)



Students by gender



Students by program

For further information of our school (IPS) Office koho-ips@list.waseda.jp +81-93-692-5017

Curriculum and projected subjects

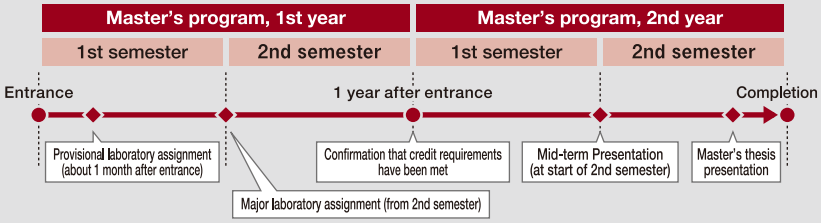
(Year 2024)

Waseda IPS Syllabus Search

You can gain a broad range of knowledge and skills that span multiple fields in addition to your specialty. Our curriculum is designed to enable even students who do not have a background in science and engineering to start researching.

Master's Program, from Entry to Completion

To complete a master's program, you must be enrolled in the program for at least two years, earn the number of credits specified for the required courses, receive a passing evaluation for your master's thesis, and pass a final examination. For the first six months of the program, you will have a provisional laboratory assignment. After six months you must apply for a major laboratory assignment, which you will have until you complete the program, by undergoing an interview with the laboratory's supervisor. From that point you will begin writing your master's thesis under the supervisor's direction. You may apply for a different laboratory from your provisional laboratory assignment.



Course Credit and Completion Requirements

Course Category		1 Year After Entrance	Completion Requirements
Courses	Fundamental subjects	18 credits or more	20 credits or more (maximum of 4 credits in Fundamental subjects)
	Advanced subjects		
	Laboratory works		
	Specialized subjects (required)	4 credits or more	2 credits or more
	Exercises (required)		8 credits or more
	Total	22 credits or more	30 credits or more
Master's thesis (required, no credits)			Receive a passing evaluation

※Note: If you take more than 4 credits worth of Fundamental subjects, the additional credits will not be counted towards the credits required for completion. The credits in first column indicate the total number of credits required for the first year, and credits in the second column indicate the total number required for both years.

Fundamental subjects

2 credit courses during the spring semester

- Multivariate Analysis
- Applied Statistic Data Processing
- Data Structures and Algorithms
- Network Security
- Analog CMOS Circuits
- Kinematics of Machinery
- Internet of Medical Things (IOMT)
- Optimization Technology and Its Applications
- Probability and Statistics
- Theory of Constraint Processing
- Digital Signal Processing
- Technical Writing & Presentation
- Microbial Energy Conversion and Sensing Systems
- Solid State Physics
- Control Engineering

2 credit courses during the fall semester

- Spectroscopy
- Basics of Computer Programming
- Mechatronics
- Introduction to System LSI
- ●Computational Intelligence
- Quantum Electrodynamics
- Robotics
- Fundamental Mathematics
- Digital Circuits
- Sensing Engineering
- Surface Science
- Semiconductor Device Technology
- Simulation Techniques
- Fundamentals of Organic Electronics I
- Fundamentals of Industrial and Management System Engineering
- Fundamentals of Organic Electronics II
- Physics of Crystalline Materials

Advanced subjects

2 credit courses during the spring semester

Information Architecture

- Natural language processing (NLP)
- ●Human-Robot Interaction
- Machine translation technology
- ◆Theory of collective intelligence (Summer Quarter)
- Scheduling Algorithms
- Database
- Biosensor Engineering
- ★Special Exercise of Community Computing I
- ●Image Processing
- ●Neural Networks

Production Systems

- ●Automobile Engineering
- Modeling and Control
- Bioelectronics
- Autonomous Mobile Robots
- Measurement and Analysis Device Engineering
- Multi-objective Decision Making and Application
- Biological Information Engineering
- Dynamics of Machinery
- ●Reliability Engineering
- ●Optimal Control Theory
- Applied Organic Electronics
- ★Special Exercise of Organic Electronics II
- Science and Technology of Functional Materials

Integrated Systems

- Microprocessor
- Emerging Memories
- Transmission Circuits
- System LSI Architecture
- VLSI Physical Design
- Energy-Efficient LSI Systems
- Opto-electronic Integrated Circuits
- MEMS Device Engineering
- Laser Engineering
- ★Special Exercise of VLSI Physical Design Automation II
- Machine Learning

Common Field

- ◆Operations Management as a Strategic View Point_Spring

2 credit courses during the fall semester

Information Architecture

- Bioengineering
- Fundamental Biosystems
- Bioinformatics
- Information Organization
- ★Special Exercise of Community Computing II
- ◆Smart factory I (Fall Quarter)
- ●Pattern Recognition
- Internet of Things and Big Data
- Information Security Engineering

Production Systems

- Biomicromachine
- Design of Heuristic Search and its Application
- ◆Information Management (Fall Quarter)
- Process Technology for Power Devices and Reliability
- Micro and Nano Fluidic Engineering
- Design of Machine Elements
- Medical Device Engineering
- Thin Film Processing
- ●Power Semiconductor Devices
- Linear Systems Theory
- ★Special Exercise of Organic Electronics I

Integrated Systems

- Packaging and Assembly Technologies for Integrated Systems
- High-speed, High-frequency LSI Design
- System LSI Design
- Video Signal Processing
- Design for Testability
- Dependable LSI Systems
- Optical Semiconductor Devices
- ★Special Exercise of VLSI Physical Design Automation I
- Optical Circuit Simulation Technology
- Analog LSI Design
- Finite Element Analysis
- Acoustic Signal Processing

Common Field

- ◆Operations Management as a Strategic View Point_Fall

●The subjects of Joint Graduate School Intelligent Car, Robotics & AI Course ★The credits are not included in the required credits for graduation. ◆1 credit

Laboratory works

Information Architecture	Production Systems
2 credit courses during the fall semester	2 credit courses during the fall semester
Laboratory Works on Information Architecture	Laboratory Works on Production Systems

Specialized subjects

2 credit courses during the fall semester

Information Architecture

- Robotics and mechatronics
- Smart Industry
- Community Computing
- Data Engineering
- Network Intelligence and Security
- Computational Neuroscience
- Multimedia Engineering
- Example-based machine translation/NLP
- Bio Information Sensing
- Advanced fiber optic technologies

Production Systems

- Micro and Nano Fluidic Device
- Current Bioelectronics
- Biomedical Engineering
- Mobile Robotics Platform
- Power Semiconductor Devices
- Mechanical System Design
- Design Engineering and System
- Information and Production Process
- Functional Thin Films
- Systems Control

Integrated Systems

- Image Information Systems
- Intelligent Acoustic Systems
- Dependable Information Systems
- Light Emitting Systems
- Integrated System Optimization
- Wireless Communication Circuits Technologies
- High-Level Verification Technologies
- Opto-electronic Integrated Systems
- Emerging Memory System
- Micro Electro-Mechanical Systems

Exercises

A: 2 credit courses during the fall semester, B: 4 credit courses during the spring semester, C: 2 credit courses during the spring semester, D: 2 credit courses during the fall semester

Information Architecture

- Smart Industry A,B,C,D
- Neurocomputing Systems A,B,C,D
- Database System A,B,C,D
- Image Media A,B,C,D
- Bio Information Sensing A,B,C,D
- Example-based machine translation/NLP A,B,C,D
- Robotics and mechatronics A,B,C,D
- Fiber-optic systems A,B,C,D
- Network Intelligence and Security A,B,C,D
- Community Computing A,B,C,D

Production Systems

- Design Engineering and System A,B,C,D
- Mobile Robotics Platform A,B,C,D
- Power Semiconductor Devices A,B,C,D
- System Control A,B,C,D
- Micro and Nano Fluidic Device A,B,C,D
- Bioelectronics A,B,C,D
- Biomedical Engineering A,B,C,D
- Mechanical System Design A,B,C,D
- Production Process A,B,C,D
- Functional Thin Films A,B,C,D

Integrated Systems

- Micro Electro-Mechanical Systems A,B,C,D
- Image Information Systems A,B,C,D
- Light Emitting Systems A,B,C,D
- High-Level Verification Technologies A,B,C,D
- Intelligent Acoustic Systems A,B,C,D
- Emerging Memory System A,B,C,D
- Dependable Information Systems A,B,C,D
- Opto-electronic Integrated Systems A,B,C,D
- Integrated System Optimization A,B,C,D
- Wireless Communication Circuits Technologies A,B,C,D

※The syllabuses of Specialized subjects and Exercises are available on "Web Syllabus" or Course Registraion page. Web Syllabus：https://www.wsl.waseda.jp/syllabus/JAA101.php?pLng=en

※Projected subjects could be arranged without notification.

Examination Regulations

April or September Admission, 2024

Waseda IPS Admission Search

For details, please refer to the Admission Guide. You can download the Admission Guide and the documents needed for application from the IPS Website. ▶https://www.waseda.jp/fsci/gips/en/applicants/admission/application/
※Admission guideline could be changed without notification.

Programs and Degree of IPS

Major / Program	No. of enrollments	Capacity	Admission	Degree
Information, Production and Systems Engineering Master's Program	200	400	April, September	Master of Engineering
Information, Production and Systems Engineering Doctoral Program	20	60	April, September	Doctor of Engineering

○Fields of application / Information Architecture, Production Systems, Integrated Systems
○Number of persons admitted(Total admissions in April & September) / Mater's program 200, Doctoral program 20

Domestic application [Master's program and Doctoral program]

[April 2024 Admission]

	Application period (Application must be postmarked by the last day.)	Examination date (One of the days)	Results announced	Period for the first admission procedure (Documents must arrive by the final day)	Period for the second admission procedure
July examination	May 29, 2023 (Mon) ~June 16, 2023 (Fri)	July 7, 2023 (Fri) July 8, 2023 (Sat)	July 14, 2023 (Fri)	November 6, 2023 (Mon) ~November 13, 2023 (Mon)	Early March, 2024
October examination	September 4, 2023 (Mon) ~September 22, 2023 (Fri)	October 13, 2023 (Fri) October 14, 2023 (Sat)	October 20, 2023 (Fri)		
February examination	January 9, 2024 (Tue) ~January 22, 2024 (Mon)	February 9, 2024 (Fri) February 10, 2024 (Sat)	February 16, 2024 (Fri)	February 22, 2024 (Thu) ~February 29, 2024 (Thu)	

[September 2024 Admission]

	Application period (Application must be postmarked by the last day.)	Examination date (One of the days)	Results announced	Period for the first admission procedure (Documents must arrive by the final day)	Period for the second admission procedure
February examination	January 9, 2024 (Tue) ~January 22, 2024 (Mon)	February 9, 2024 (Fri) February 10, 2024 (Sat)	February 16, 2024 (Fri)	April 1, 2024 (Mon) ~April 8, 2024 (Mon)	Mid August, 2024
July examination	June 3, 2024 (Mon) ~June 21, 2024 (Fri)	July 12, 2024 (Fri) July 13, 2024 (Sat)	July 19, 2024 (Fri)	July 25, 2024 (Thu) ~August 1, 2024 (Thu)	

Overseas application [Master's program and Doctoral program and G-course(who is recommended by partner universities only)]

[April 2024 Admission]

	Application period (Documents must arrive by the final day)	Results announced	Period for the first admission procedure (Documents must arrive by the final day)	Period for the second admission procedure
July examination	May 29, 2023 (Mon) ~June 16, 2023 (Fri)	July 14, 2023 (Fri)	November 6, 2023 (Mon) ~November 20, 2023 (Mon)	Early March, 2024
October examination	September 4, 2023 (Mon) ~September 22, 2023 (Fri)	October 20, 2023 (Fri)		
December examination	November 13, 2023 (Mon) ~November 27, 2023 (Mon)	December 21, 2023 (Thu)	January 10, 2024 (Wed) ~January 24, 2024 (Wed)	

[September 2024 Admission]

	Application period (Documents must arrive by the final day)	Results announced	Period for the first admission procedure (Documents must arrive by the final day)	Period for the second admission procedure
December examination	November 13, 2023 (Mon) ~November 27, 2023 (Mon)	December 21, 2023 (Thu)	April 1, 2024 (Mon) ~April 15, 2024 (Mon)	Mid August, 2024
February examination	January 9, 2024 (Tue) ~January 22, 2024 (Mon)	February 16, 2024 (Fri)		
June examination	April 15, 2024 (Mon) ~May 2, 2024 (Thu)	June 7, 2024 (Fri)	June 14, 2024 (Fri) ~June 28, 2024 (Fri)	

Conditions and selection methods for each examination category

IPS has three examination categories. Determination of pass or fail takes into account applicants' enthusiasm for learning and problem awareness in addition to their knowledge of their specialization.

Examination category	Condition		Documents	Selection ※1	
	Master's program	Doctoral program		Documentary Examination	Interview
General application	—	—	・Research plan ・Overview of bachelor's / master's thesis, or overview of work achievements ・Grade transcript ・Certificate of English ability	Required	Required
Recommended application	・You must be recommended by a thesis advisor, or a person who can evaluate your scholastic ability. ・You must have an excellent scholastic record. ※Concrete grade standard is not set.	・You must be recommended by a faculty advisor for your master's thesis, or a person who can evaluate your scholastic ability. ・You must have an excellent scholastic record. ※Concrete grade standard is not set.	・Research plan ・Letter of recommendation (Self-recommendation not acceptable) ・Overview of bachelor's / master's thesis, or overview of work achievements ・Grade transcript ・Certificate of English ability	Required	Required
Work force application	・A person who is currently employed, or who used to be hired in the private sector, government, educations, etc. ・A person who has demonstrated outstanding performance on the job.	・A person who is currently employed, or who used to be hired in the private sector, government, educations, etc. ・A person who has demonstrated outstanding performance on the job.	・Research plan ・Letter of recommendation (Self-recommendation is acceptable) ・Overview of work achievements ・Grade transcript ・Certificate of English ability	Required	Required

※ If you are applying for Overseas application, as a rule you only need to undergo documentary examination; an interview is not required.

For further information of syllabus and examination Office gakumu-ips@list.waseda.jp +81-93-692-5017

Tuition and Fees (Admission 2024)

Waseda IPS Tuition Search

Since the tuition and other fees for admission 2024 have not been finalized, please refer to the fees for 2023 listed below for your information.
[Tuition and Fees(Admission 2023)]

Master's program

(Unit : JPY)

Academic Year	Term of payment	Admission fee	School fees and other fees			Total
			Tuition	Seminar fee	Membership fee of student health promotion mutual aid association	
1st year	At admission	200,000	557,000	25,000	1,500	783,500
	2nd term	–	557,000	25,000	1,500	583,500
	Total	200,000	1,114,000	50,000	3,000	1,367,000
2nd year	1st term	–	657,000	25,000	1,500	683,500
	2nd term	–	657,000	25,000	1,500	683,500
	Total	–	1,314,000	50,000	3,000	1,367,000

Doctoral program

(Unit : JPY)

Academic Year	Term of payment	Admission fee	School fees and other fees			Total
			Tuition	Seminar fee	Membership fee of student health promotion mutual aid association	
1st year	At admission	200,000	353,500	25,000	1,500	580,000
	2nd term	–	353,500	25,000	1,500	380,000
	Total	200,000	707,000	50,000	3,000	960,000
2nd year	1st term	–	453,500	25,000	1,500	480,000
	2nd term	–	453,500	25,000	1,500	480,000
	Total	–	907,000	50,000	3,000	960,000
3rd year	1st term	–	453,500	25,000	1,500	480,000
	2nd term	–	453,500	25,000	1,500	480,000
	Total	–	907,000	50,000	3,000	960,000

Students who have newly enrolled master's program will be required to pay 40,000 yen as the "Alumni association membership fee".This membership fee will be paid in the final term/semester of their last year, which covers 10 years of annual membership fee that students pay in advance.Those who have graduated from undergraduate school at Waseda University, transferred students, doctoral program students, double degree program students, research students and non-degree students are exempted from paying this fee.

Scholarship programs

Waseda IPS Scholarship Search

Scholarship programs offer international students a secure research life

IPS is prepared to assist you in your university life after entrance with a wide array of scholarship programs including Waseda's own university scholarships, as well as scholarships offered by the government or private foundations. Of special interest to international students at IPS are scholarship such as the FAIS Scholarship provided by the Kitakyushu Foundation for the Advancement of Industry, Science and Technology, and the Fukuoka International Exchange Foundation Scholarship provided by the Fukuoka International Exchange Foundation. Below is a listing of scholarships received by IPS students in 2022. For more detailed information on this and related subjects, please refer to the scholarship information booklet distributed after entrance.

A list of 2022 Scholarships

※"–" : Not applicable

Name of Scholarship					Amount		Duration	Number of Scholarship Student	
				Interest	Master	Doctor		Master	Doctor
For Japanese Students	Japan Student Services Organization	Japan Student Services Organization Type 1	Loan	No	¥50,000～¥122,000 / Month		1 to 3 years	6	2
		Japan Student Services Organization Type 2	Loan	Yes	¥50,000～¥150,000 / Month		1 to 3 years	1	0
		Japan Student Service Organization Special Increased Scholarship at School Entry	Loan	Yes	¥100,000～¥500,000 / lump-sum payment		Lump sum	0	0
	Waseda University Scholarship	Azusa Ono Memorial Scholarship	Provision		¥400,000/Year	–	1 year	3	–
	Scholarship offered by private foundation	Scholarship by The Mitsui Foundation for Advancement of Tool and Die Technology	Provision		¥50,000/Month		Until the end of regular course	0	–
For International Students	Waseda University Scholarship	Waseda University Partial Tuition-Waiver Scholarship for Privately Financed International Students	Reduction		50% of tuition	–	Once a year	22	–
		Reserved Scholarship for Successful International Examinees	Provision		¥500,000/Year	–	2 year	21	–
		Azusa Ono Memorial Scholarship for International Students	Provision		¥400,000/Year	–	1 year	8	0
		Waseda University Emergency Scholarship	Provision		¥400,000/Year		1 year	0	0
	Scholarship offered by the government or private foundation	Japanese Government Scholarship	Provision		¥144,000～¥145,000/Month+Tuition		Until the end of regular course	4	1
		SGU Japanese Government Scholarship	Provision		¥144,000～¥145,000/Month+Tuition		Up to 1 year	0	0
		Honors Scholarship for Privately Financed International Students	Provision		¥48,000/Month		Up to 1 year	76	2
		Postgraduate Study Abroad Program by China Scholarship Council	Provision		–	¥150,000/Month+Tuition	Until the end of regular course	–	–
		CSC Special Selection for 1st year Student of Doctoral Programs	Provision		–	¥150,000/Month+Tuition	Until the end of regular course	–	3
		Fukuoka International Exchange Foundation Foreign Student Scholarship	Provision		¥20,000/Month		1 year	1	0
		KSRP Scholarship by FAIS	Provision		¥300,000/Semester		1 year	13	0
		The Kitakyushu-Dalian Friendship International Students' Scholarship	Provision		¥20,000/Month		1 year	1	0
For All Students	Waseda University Scholarship	Okuma Memorial Scholarship	Provision		¥400,000/Year	–	1 year	2	–
		ASAHI-KOSAN Group Scholarship	Provision		¥500,000/Year	–	1 year	4	–
		Okawa Isao Information-Communication Academic Scholarship	Provision		–	¥100,000/Year	1 year	–	–
		Scholarship for Young doctoral Students	Provision		–	¥500,000/Year	1 year	–	43
	Research Encouragement Fund.etc	Waseda University Open Innovation Ecosystem Program for Pinoneering Research (W-SPRING)	Provision		–	living and reserch expenses Maxmum ¥2,900,000/Year	Until the end of regular course	–	17

(¥ : JPY)

〈As of December, 2022〉

Model case of scholarship

A Japanese master student (Case A)

ASAHI-KOSAN Group Scholarship	¥500,000/Year×1
Japan Student Services Organization Type 1 (Loan)	¥88,000/Month×12
Annual amount	¥1,556,000

B International master student (Case B)

Honors Scholarship for Privately Financed International Students	¥48,000/Month×12
Partial Tuition-Waiver	
Annual amount	¥576,000 Plus Partial Tuition-Waiver

C International doctoral student (Case C)

Scholarship for Young Doctoral Students	¥500,000/Year
Honors Scholarship for Privately Financed International Students	¥48,000/Month×12
Annual amount	¥1,076,000

Scholarship for young doctoral student was introduced

At Waseda University, starting with 2009 entrants, we have established a scholarship program for doctoral candidates with the aim of nurturing outstanding young researchers. This program provides ¥500,000 per year (paid annually) to all eligible persons, other than those receiving a tuition exemption, who are enrolled as doctoral candidates during the standard period of study; who are fully qualified to apply for this scholarship; and who have submitted the prescribed application documents.

※For details, please refer to the publication International Students' Handbook, which is distributed during the entrance procedure, or to the Scholarship Section page on our website: https://www.waseda.jp/inst/scholarship/

Student life

Waseda IPS Access Search

Kitakyushu, a new venue for academic life

Kitakyushu, a city of about one million inhabitants located on the northern tip of the island of Kyushu, is home to IPS. The city enjoys the geographical advantage of close proximity to China and Korea, which has made it a focal point for exchange with continental Asia since earliest times. Today, under the "Kitakyushu Renaissance Concept" which brings together academia and regional industries, the city is reinventing itself as an international city of technology. Kitakyushu is also blessed with an abundance of natural assets including seashore, mountains, and greenery, which grace many spots throughout the city. You can enjoy a variety of sports and leisure activities, as well. All of these things, along with lower living costs than those of Capital region, enable students to pursue a rewarding and pleasant academic life here.

Kitakyushu Science and Reserch Park, home of IPS

- Four universities and ten research institutes on one campus
- A core academic research base for Asia concentrating the most advanced scientific knowledge
- Cooperation with the business community to promote technological advancement and industrial innovation

A Technology Development and Exchange Center
This facility supports development of new technologies in the fields of Robots and Car Electronics and promotes DX.

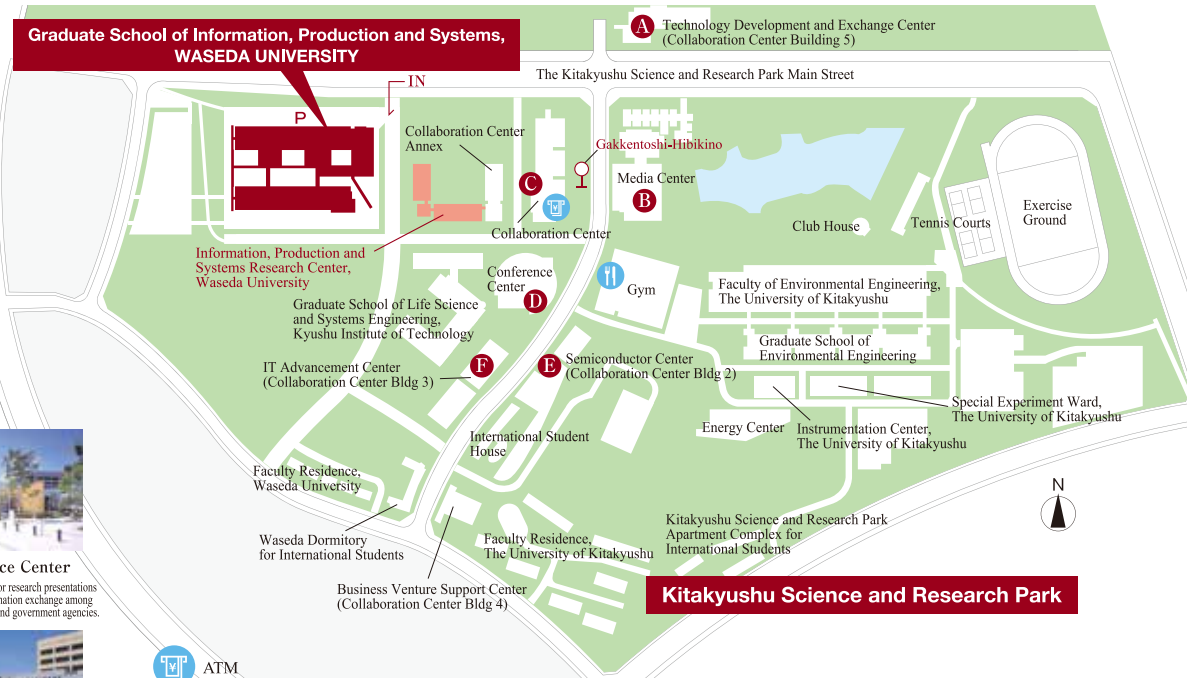
B Media Center (Library, Information Process Facility)
This is the multimedia station where data is collected and transmitted.

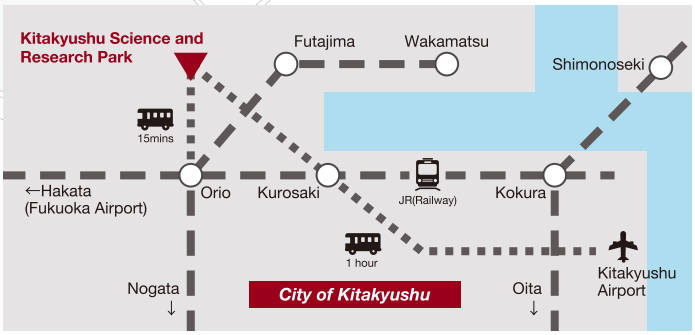
C Collaboration Center
This is the core facility for joint research between industry and universities.

D Conference Center
This hall is designed for research presentations and activities of information exchange among industry, universities and government agencies.

E Semiconductor Center
This facility supports reseach development in semiconductor microfabrication technology.

F Semiconductor Center
This is a joint research and development facility for training human resources as well as research and development in the field of network and semiconductor design.





Example：Monthly cost

Rent(Dormitory for international student) ¥12,000~20,000	Food	¥20,000
	Power, Water, Mobile, Internet	¥20,000
Rent(Private apartment) ¥32,000~45,000	For interest	¥15,000
	Total	**¥67,000~100,000**

For further information of tuition, scholarship and dormitory Office gakumu-ips@list.waseda.jp +81-93-692-5017

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Waseda University

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Graduate School of Information, Production and Systems, Waseda University
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koho-ips@list.waseda.jp
TEL.+81-93-692-5017 FAX.+81-93-692-5021
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WASEDA University