2024

IPS
情報生産システム研究科
Graduate School of Information, Production and Systems

Graduate School of Information, Production and Systems, Waseda University

A graduate school where "cutting edge" and "tradition" meet to nurture global leaders

Dean, Graduate School of IPS
FUJIMURA, Shigeru

Graduate School of Information, Production, and Systems, Waseda University, commonly known as IPS, was established in 2003 in Kyushu, the birthplace of its founder, Shigenobu Okuma. The school's mission is to advance society through the creation of innovative technologies, drawing exceptional students globally, particularly from Asia. Many international and Japanese students are working with high aspirations to maintain "tradition" and research "cutting-edge" technology under the three main missions of Waseda University, stimulating each other without boundaries. We address advanced research issues related to information architecture, production systems, integrated systems, and the ecosystems in which they interconnect.

IPS fosters a collaborative environment, bridging industry, academia, and government, where students are encouraged to set ambitious goals and confront challenges. We nurture human resources who can cultivate basic academic skills, think about problems on their own, experience trends in the real world, and embody cutting-edge technologies in the real world. The experience of thinking for oneself and working hard to achieve one's goals will be a very valuable asset in one's future life.

More than 3,000 outstanding students have already graduated from IPS and left for the world with the pride of having completed their own research. And now they are active as "global leaders" in industry, education, and research institutions around the world. Looking to the future, IPS will make even greater strides, promoting research on cutting-edge technologies that can be shared with the world and enhancing its presence in Japan and abroad as an education and research center that fosters human resources in demand around the world.

Fostering Human Resources for Research and Technology Development in the Graduate School of Information, Production and Systems

IPS aims to foster individuals capable of problem-solving with extensive knowledge and high insight into the increasingly complex societal issues of today. Through educational and research activities at IPS, students can acquire foundational and specialized knowledge, information literacy and problem identification skills, logical thinking and problem-solving abilities, practical leadership, and international communication skills. Moreover, in the city of Kitakyushu where IPS is located, emerging industries such as automobiles, robotics, semiconductors, and environmental businesses are expanding. Students have the opportunity to participate in joint research with companies and national projects, applying their research findings and experiencing the essence of research and technology development firsthand.

The three main missions of Waseda University

In “Waseda Vision 150,” we interpret the mission of Waseda University as encompassing the principles described below, making them the focal point of the development of our educational and research systems as we approach the 150th anniversary of the university’s founding.

1. Independence of Scholarship – The Cornerstone of Our Contribution to the World

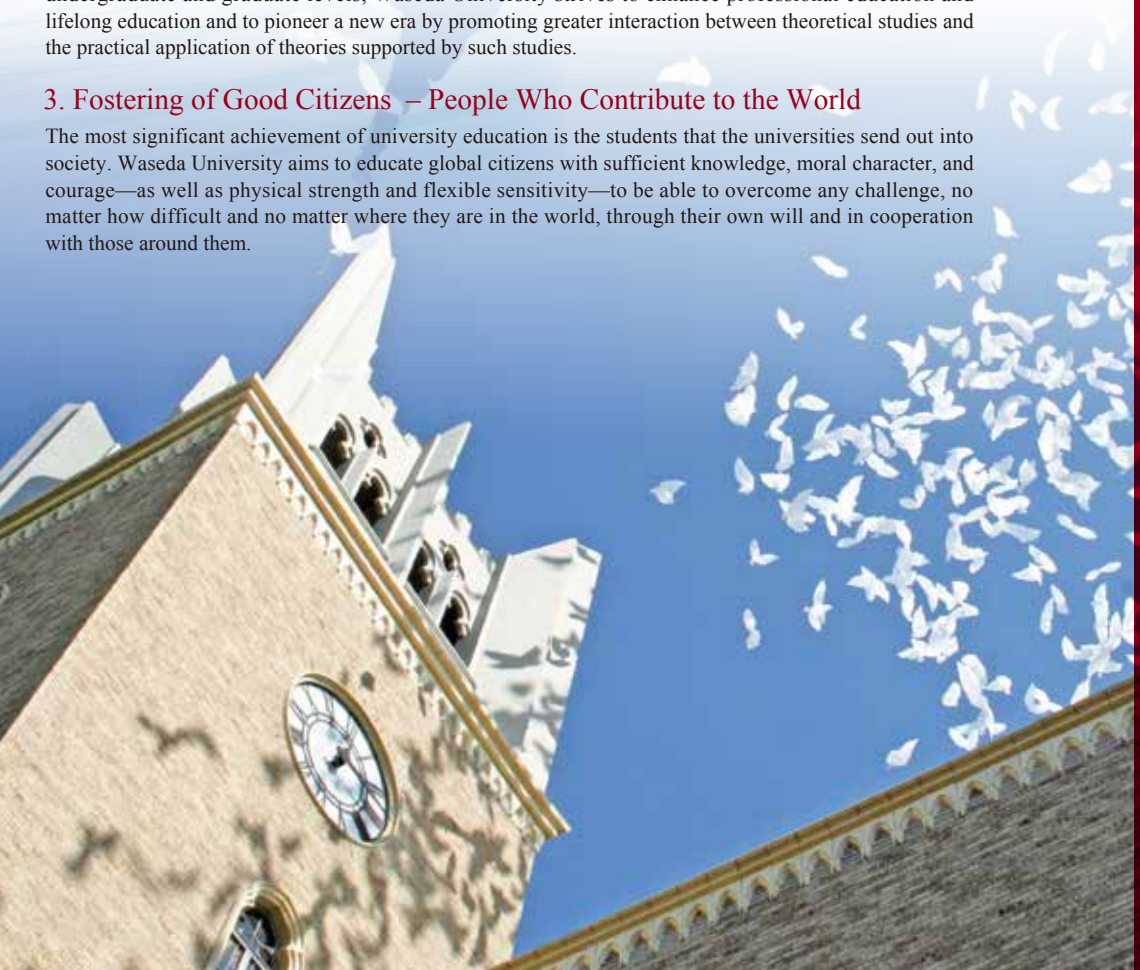
The cornerstone of the independence of scholarship is having a critical mind that is free from all constraints and focused on the nature of reality. Waseda University aims to contribute to the creation and development of scholarship by conducting research in the humanities, social sciences, and natural sciences—as well as any fields that integrate these disciplines—in an environment where students and faculty members can interact independently and freely and by disseminating the outcomes to the world.

2. Practical Application of Scholarship – Ways and Means of Contributing to the World

Academic research can be further developed by reaching beyond its boundaries and paving the way for its application in culture, society, and industry. In addition to conducting education and research at the undergraduate and graduate levels, Waseda University strives to enhance professional education and lifelong education and to pioneer a new era by promoting greater interaction between theoretical studies and the practical application of theories supported by such studies.

3. Fostering of Good Citizens – People Who Contribute to the World

The most significant achievement of university education is the students that the universities send out into society. Waseda University aims to educate global citizens with sufficient knowledge, moral character, and courage—as well as physical strength and flexible sensitivity—to be able to overcome any challenge, no matter how difficult and no matter where they are in the world, through their own will and in cooperation with those around them.



Contents

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
Beijing Institute of Technology
Beijing Jiaotong University
Beijing University of Chemical Technology
China University of Geosciences
Chongqing University
Dalian University of Technology
Fudan University
Jilin University
Nanjing University
Nanjing University of Posts and Telecommunications
Nankai University
Peking University
Shanghai Jiao Tong University
Shanghai University
Sichuan University
South China University of Technology
Southeast University
Tianjin University
Tongji University
Tsinghua University
University of Electronic Science and Technology of China
Wuhan City
Xiamen University
Xi'an Jiaotong University
Xidian University
Zhejiang University

TAIWAN
National Central University
National Cheng Kung University
National Taipei University of Technology
National Taiwan University

KOREA
Chonnam National University
Incheon National University
Inha University
Pai Chai University
Pusan National University

THAILAND
Chiang Mai University
Chulalongkorn University
Thammasat University

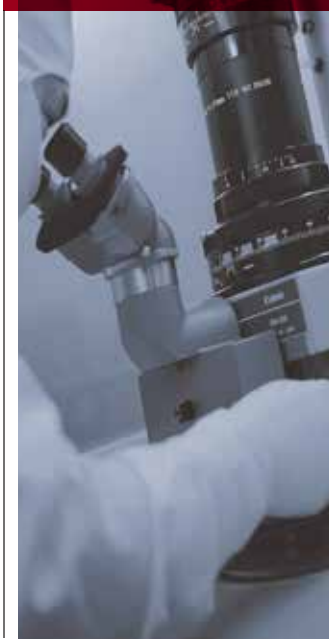
MALAYSIA
Malaysia-Japan International Institute of Technology
Universiti Teknologi PETRONAS

VIETNAM
Hanoi University of Science and Technology
Ho Chi Minh City University of Technology

PHILIPPINES
Ateneo de Manila University

FRANCE
Grenoble Alpes University

Advanced projects of IPS

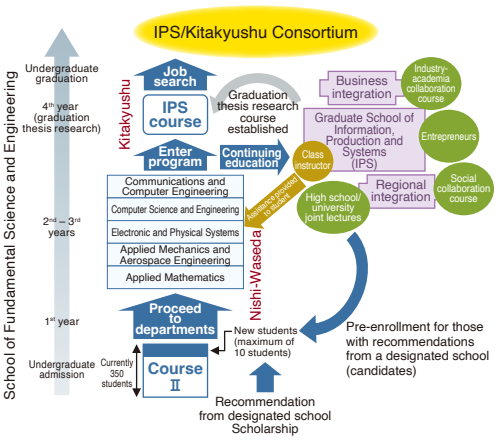


IPS conducts many joint projects along various lines of cooperation: national, regional, enterprise, and institutional.

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)

Career after graduation

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

Fostering technical talent

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

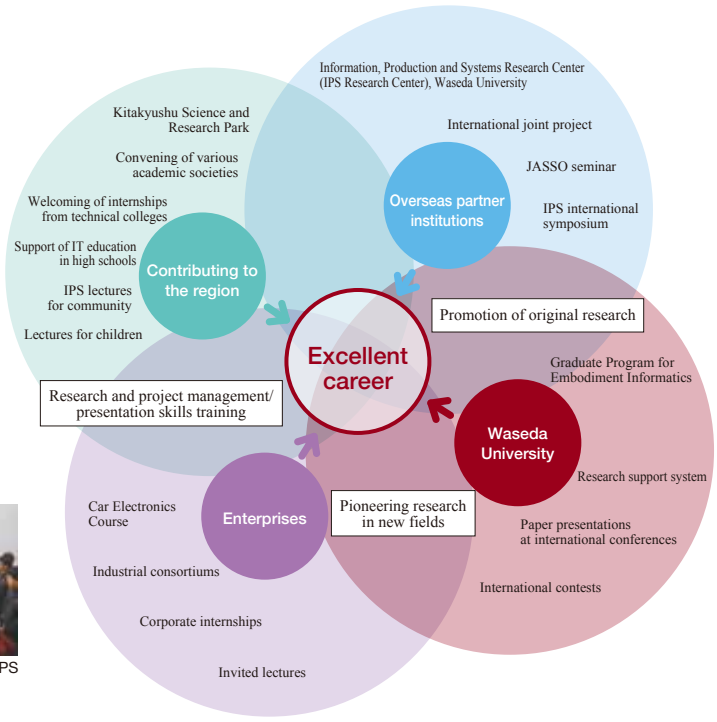
International collaboration Symposium on IPS

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.

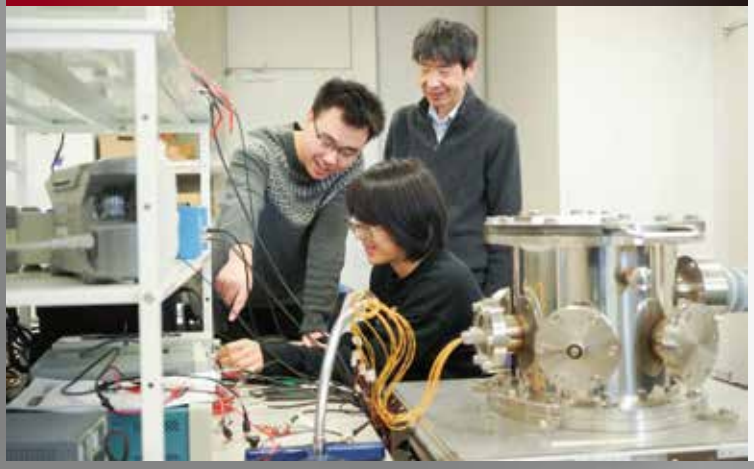
Research Area

●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
●Micro and Nano Fluidic Device ●Current Bioelectronics
●Mechanical System Design ●Production Process ●Functional Thin Films
●Semiconductor Materials and Device Engineering ●Biomedical Engineering

S Integrated Systems

Creating innovative integrated systems
with leading-edge technologies.



Features of the Integrated Systems field

Our research areas cover a wide range of integrated system applications and their fundamental technologies.

Faculty members, mostly from top companies, conduct practical research and education with strong ties to industry.

Developing global human resources in a wide range of fields, from cutting-edge companies to academia.

Research Area

●High-speed and Low-power IC ●Acoustic and Image Information
●Analog and High-frequency Circuits
●Optical/Terahertz Integrated Circuits ●MEMS Sensor
●System Optimization and Verification

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

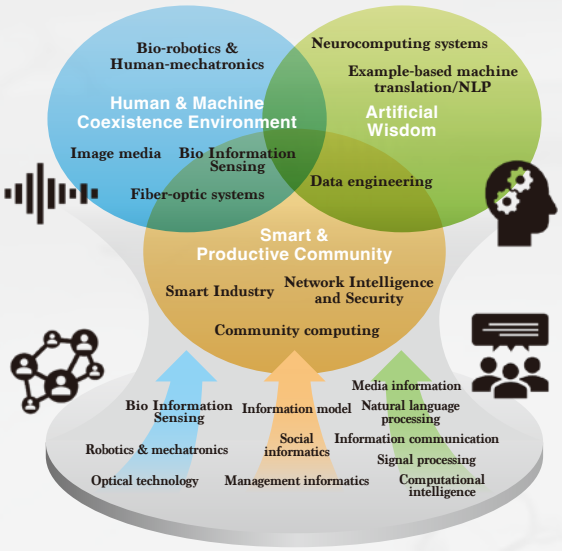
Education encompassing practicality

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

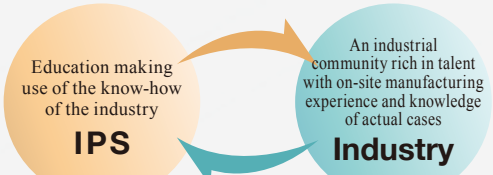
Together with technical expertise, we aim to cultivate the abilities of co-creation and having a bird's-eye perspective that are necessary to thrive in the society of the future.



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

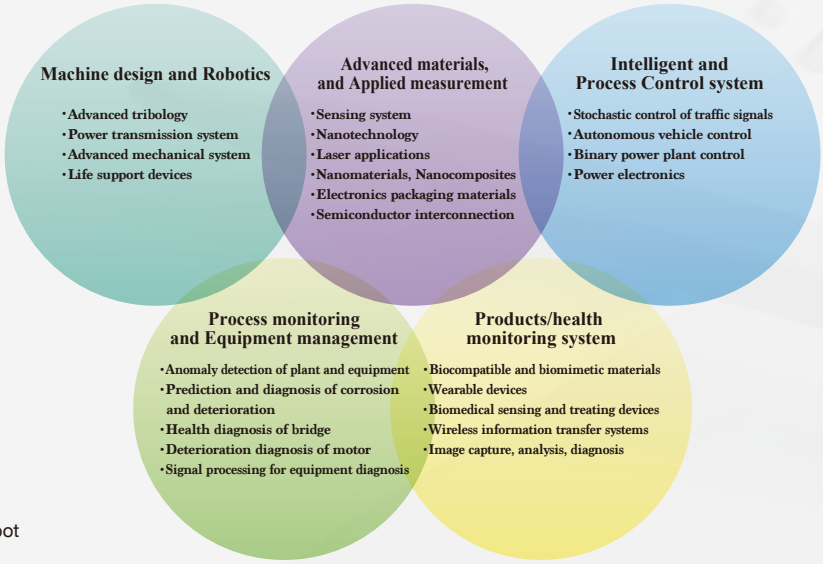
Cooperation with domestic industries



- 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

Systematic Educational Course

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

Education on SoC Design

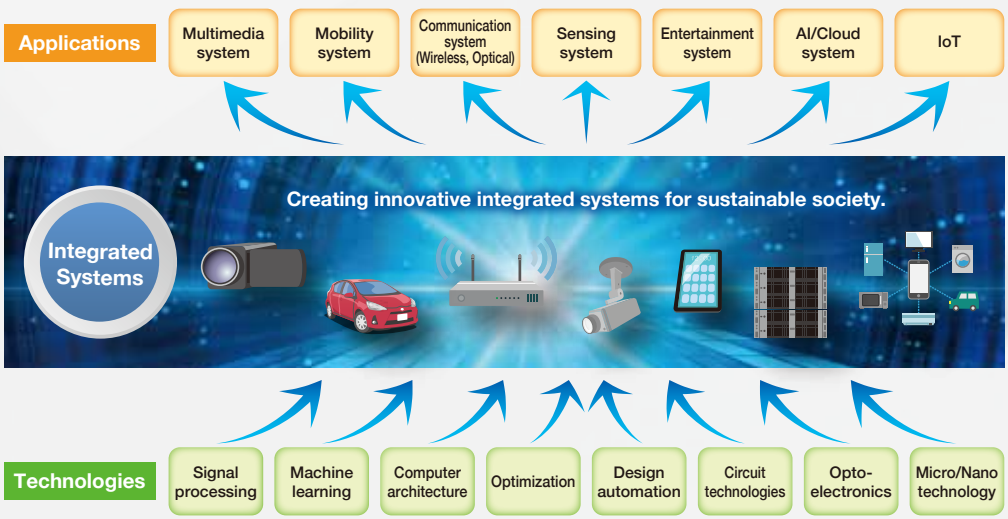
- FPGA Implementation
- Chip Design and Evaluation
- Application to Communication/Image /Acoustic systems

Education on Hybrid Multifunctional Integrated Circuits

- MEMS
- Opto-electronic Integrated Circuits
- Terahertz Application Systems

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】
Smart Industry, Digital Transformation
Production Management, Planning and Scheduling
Digital Ecosystems

【Message】
I will provide a laboratory atmosphere where you can discuss your own ideas with the other members and encourage each other to improve them. Promote new research on your own, experience the thrill of research firsthand, and conduct research that is beneficial to our society.

Web http://www.smartindustry.jp/

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

【Research Area】
Computational Intelligence
Deep Learning and Applications
SVM and Kernel Function Learning
System Modeling and Identification
Bioinformatics

【Message】
Guys who are interested in artificial intelligence, let's study together!

Web https://nclab.w.waseda.jp/nclab/

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】
Robotics / Mechatronics and its applications
Human-Robot Interaction (physical and informative)
Personal Robot, Partner Robot, My Robot
Human-Synergetic Robot, Human-Symbiotic Robot
Robotic Sensing and Control (incl. Machine Learning)
Measurement and Analysis of Human Movements

【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 https://sem-matsumaru.w.waseda.jp/
https://matsumaru.w.waseda.jp/

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
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
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
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
MAWATARI, Kazuma
Dr. of Engineering
(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
SHIMURA, Takayoshi
Dr. of Engineering
(Nagoya University)

【Research Area】
Semiconductor device and materials engineering
Advanced material analysis using synchrotron radiation
Band engineering of Group IV semiconductor materials
Nano X-ray diffraction

【Message】
Japan is promoting projects to revive its semiconductor industry. Would you like to learn about semiconductor? Let's enjoy the attraction and mystery of semiconductor.

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
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.

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

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
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.

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
TANZAWA, Toru
Dr. of Engineering
(University of Tokyo)

【Research Area】
Energy harvesting technology
Semiconductor memory system
Analog circuit system
power conversion system

【Message】
Let's enjoy imagining circuit operation in a physical sense, quantifying characteristics with mathematical sense, and contemplating the greening of the system through overall optimization.

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
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 a creative research area advancing in various fields. 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.

Associate Professor
SERITA, Kazunori
Dr. of Engineering
(Osaka University)

【Research Area】
Terahertz
Nonlinear optics
Electromagnetic field analysis
Metamaterials

【Message】
Terahertz waves are unexplored electromagnetic waves, and the possibilities for future communication and sensing technologies are expanding. Let's explore this field together.

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)

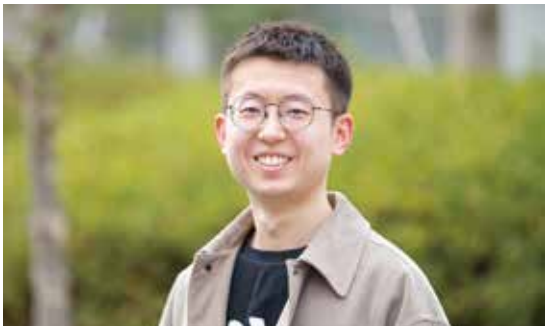
【Message】
The progress of information technology and the high economic growth of emerging markets have impacted significantly on business strategies. The system of systems becomes indispensable with individual systems interlinked. Industrial structures, business models and innovation models are required 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.

KIMURA, Rino

Japan

Waseda University
Entered master's program in April 2023 (Makino lab)

Waseda University's Graduate School of Information, Production and Systems (IPS) has labs covering a wide range of specialties, allowing students to research topics that interest them. It has a diverse student body with a variety of nationalities and ages, so you are exposed to diverse worldviews while studying there.Besides conducting research, you can also study a variety of fields at IPS. You can gain more in-depth knowledge of the fields that interest you by proactively utilizing Waseda University programs like the Global Education Center and participating in advanced courses by professors of different labs.In my lab we research audio signal processing. We're working towards the goal of enabling computers to distinguish people's voices in a crowd in the same way that humans can. Not only can you discuss with the professor and other lab members, but you can also connect with the rest of the world by presenting research results at international academic conferences and participating in joint research projects with companies.Utilizing IPS's environment in this way allows me to pursue my interests and lead an enriching university life.

RIOS CHAVEZ, Fernando

Mexico

Instituto Technologico Y De Estudios Superiores De Monterrey
Entered master's program in April 2023
(Fujimura Lab)

My experience in Waseda IPS has been one of the most memorable ones in my academic life. Even though I was uncertain of suspending my professional career, I have found IPS to be very helpful with my research objectives. The courses, the facilities, and faculty members have provided me the resources that I need to contribute in the industry-academia community. In the Smart Industry Laboratory, we work on the architecture, development, and optimization of the different production management strategies. I am currently researching on scheduling optimization with probabilistic constraints. I hopefully can continue contributing to IPS and help grow the community with students from all around the world.

GATUS, Daniella Marie Beltran

Republic of the Philippines

University of the Philippines, Diliman
Entered Doctoral program in September 2023
(Miyake lab)

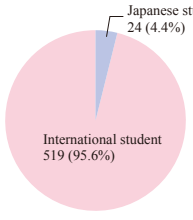
Graduate School of IPS, Waseda University is composed of a wide range of research fields. As an international scholar, I had the opportunity to expand my horizon in research studies and enjoy Japanese culture at the same time. Your courses of interest will lead you to a specific laboratory, complete 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!

XIE, Jianan

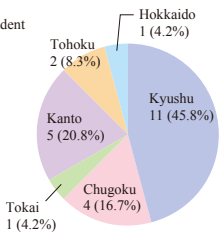
China

Sichuan Agricultural University
Entered master's program September 2022
(Hashimoto Lab.)

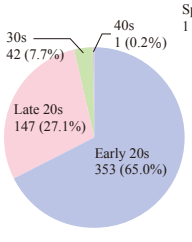
Waseda IPS provides us with an excellent academic platform, equipped with advanced research facilities and distinguished professors. With a wide range of research directions available, students have the liberty to select topics that align with their passions. In the Mobile Robotics Platform Laboratory, we aim to develop mobile robots that exceed the capabilities of humans and other living things. Our laboratory not only conducts regular seminars but also actively promotes participation in international conferences, facilitating the exchange of experiences with scholars from all over the world. Let's collaborate in developing practical robot systems to address societal issues. For dreams, for life.



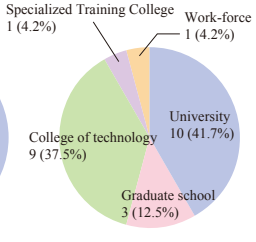
Student by nationality



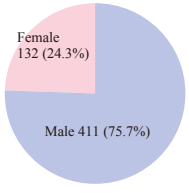
Student by region (Japanese)



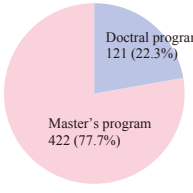
Students by age



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

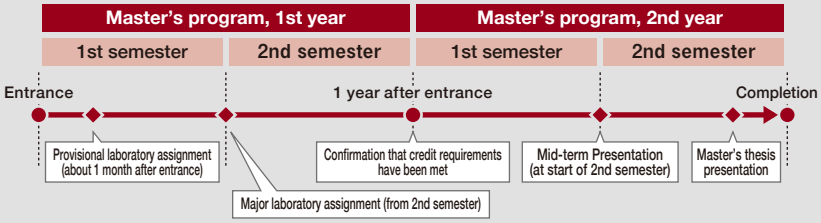
(Year 2025)

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)
- Semiconductor Material and Device Characterization
- 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

2 credit courses during the fall semester

- Spectroscopy
- Basics of Computer Programming
- Mechatronics
- Integrated Circuit Engineering
- ●Computational Intelligence
- Robotics
- Fundamental Mathematics
- Optical fiber engineering
- Background and basics in distributional semantics
- Electromagnetics
- Digital Circuits
- Sensing Engineering
- Surface Science
- Electromagnetic Field Analysis
- Simulation Techniques
- Fundamentals of Organic Electronics Ⅰ
- Fundamentals of Industrial and Management System Engineering
- Fundamentals of Organic Electronics Ⅱ
- Crystal engineering

Advanced subjects

Information Architecture

2 credit courses during the spring semester

- ●Human-Robot Interaction
- ◆Theory of collective intelligence (Summer Quarter)
- Scheduling Algorithms
- Database
- Biosensor Engineering
- Optical transmission technologies
- ★Special Exercise of Community Computing I
- ●Image Processing
- ●Neural Networks

2 credit courses during the fall semester

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

Production Systems

2 credit courses during the spring semester

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

2 credit courses during the fall semester

- Biomicromachine
- ◆Information Management (Fall Quarter)
- Design of Heuristic Search and its Application
- Micro and Nano Fluidic Engineering
- Design of Machine Elements
- Medical Device Engineering
- Physics and Technology of Semiconductor MOS Devices
- Thin Film Processing
- ★Special Exercise of Organic Electronics Ⅰ

Integrated Systems

2 credit courses during the spring semester

- Microprocessor
- Opto-electronic Integrated Circuits
- Transmission Circuits
- System LSI Architecture
- VLSI Physical Design
- MEMS Device Engineering
- Semiconductor Memory Technology and Engineering
- Laser Engineering
- ★Special Exercise of VLSI Physical Design Automation II
- Terahertz Wave Engineering
- Machine Learning

2 credit courses during the fall semester

- Packaging and Assembly Technologies for Integrated Systems
- High-speed, High-frequency LSI Design
- System LSI Design
- Video Signal Processing
- Semiconductor Device Technology and Engineering
- Design for Testability
- 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

2 credit courses during the spring semester

- ◆Operations Management as a Strategic View Point_Spring

2 credit courses during the fall semester

- ◆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

Information Architecture

2 credit courses during the fall semester

- 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

2 credit courses during the fall semester

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

Integrated Systems

2 credit courses during the fall semester

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

Exercises

Information Architecture

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

- 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

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

- Design Engineering and System A,B,C,D
- Mobile Robotics Platform A,B,C,D
- Micro and Nano Fluidic Device A,B,C,D
- Bioelectronics A,B,C,D
- Semiconductor Materials and Device Engineering 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

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

- 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
- Terahertz Integrated Systems A,B,C,D
- Opto-electronic Integrated Systems A,B,C,D
- Green 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, 2025

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 2025 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	June 3, 2024 (Mon) ~June 21, 2024 (Fri)	July 12, 2024 (Fri) July 13, 2024 (Sat)	July 19, 2024 (Fri)	November 5, 2024 (Tue) ~November 12, 2024 (Tue)	Early March, 2025
October examination	September 2, 2024 (Mon) ~September 20, 2024 (Fri)	October 11, 2024 (Fri) October 12, 2024 (Sat)	October 18, 2024 (Fri)		
February examination	January 6, 2025 (Mon) ~January 20, 2025 (Mon)	February 7, 2025 (Fri) February 8, 2025 (Sat)	February 14, 2025 (Fri)	February 19, 2025 (Wed) ~February 26, 2025 (Wed)	

[September 2025 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 6, 2025 (Mon) ~January 20, 2025 (Mon)	February 7, 2025 (Fri) February 8, 2025 (Sat)	February 14, 2025 (Fri)	April 1, 2025 (Tue) ~April 8, 2025 (Tue)	Mid August, 2025
July examination	June 2, 2025 (Mon) ~June 20, 2025 (Fri)	July 11, 2025 (Fri) July 12, 2025 (Sat)	July 18, 2025 (Fri)	July 22, 2025 (Tue) ~July 29, 2025 (Tue)	

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

[April 2025 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	June 3, 2024 (Mon) ~June 21, 2024 (Fri)	July 19, 2024 (Fri)	November 5, 2024 (Tue) ~November 19, 2024 (Tue)	Early March, 2025
October examination	September 2, 2024 (Mon) ~September 20, 2024 (Fri)	October 18, 2024 (Fri)		
December examination	November 11, 2024 (Mon) ~November 25, 2024 (Mon)	December 19, 2024 (Thu)	January 8, 2025 (Wed) ~January 22, 2025 (Wed)	

[September 2025 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 11, 2024 (Mon) ~November 25, 2024 (Mon)	December 19, 2024 (Thu)	April 1, 2025 (Tue) ~April 15, 2025 (Tue)	Mid August, 2025
February examination	January 6, 2025 (Mon) ~January 20, 2025 (Mon)	February 14, 2025 (Fri)		
June examination	April 14, 2025 (Mon) ~May 1, 2025 (Thu)	June 6, 2025 (Fri)	June 13, 2025 (Fri) ~June 27, 2025 (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 2025)

Waseda IPS Tuition Search

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	300,000	581,000	25,000	1,500	907,500
	2nd term	–	581,000	25,000	1,500	607,500
	Total	300,000	1,162,000	50,000	3,000	1,515,000
2nd year	1st term	–	731,000	25,000	1,500	757,500
	2nd term	–	731,000	25,000	1,500	757,500
	Total	–	1,462,000	50,000	3,000	1,515,000

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.

Waseda IPS Scholarship Search

Scholarship programs

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 2023. For more detailed information on this and related subjects, please refer to the scholarship information on IPS web site after entrance.

A list of 2023 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	13	0
		Japan Student Services Organization Type 2	Loan	Yes	￥50,000～￥150,000／Month		1 to 3 years	4	0
		Japan Student Service Organization Special Increased Scholarship at School Entry	Loan	Yes	￥100,000～￥500,000／lump-sum payment		Lump sum	1	0
	Waseda University Scholarship	Azusa Ono Memorial Scholarship	Provision		￥400,000／Year	－	1 year	4	－
		Sokichi Tsuda Scholarship	Provision		￥400,000／Year	－	1 year	1	－
		Tadashi and Eiko Terushita Scholarship	Provision		￥400,000／Year	－	1 year	1	－
		Waseda Almuni Scholarship	Provision		￥400,000／Year	－	1 year	1	－
	Scholarship offered by private foundation	Scholarship by The Mitsui Foundation for Advancement of Tool and Die Technology	Provision		￥80,000／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%	－	Once a year	8	－
		Reserved Scholarship for Successful International Examinees	Provision		￥500,000／Year	－	2 year	19	－
		Azusa Ono Memorial Scholarship for International Students	Provision		￥400,000／Year	－	1 year	7	0
		Waseda University Emergency Scholarship	Provision		￥400,000／Year		1 year	1	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	5	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	68	4
		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	－	2
		Rotary Yoneyama Memorial Foundation	Provision		￥140,000／Month		1 year	1	－
		Fukuoka International Exchange Foundation Foreign Student Scholarship	Provision		￥24,000／Month		1 year	4	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	－	2
		Scholarship for Fostering Researchers in Doctoral Programs	Provision		－	￥500,000／Year	1 year	－	45
	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	－	15

(￥ : JPY)

〈As of December, 2023〉

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

Scholarship for Fostering Researchers in Doctoral Programs was introduced

At Waseda University, starting with 2009 entrants, we have established a scholarship program to help students currently enrolled in a doctoral program to become outstanding scholars with superior research capabilities and extensive knowledge of their fields. 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.

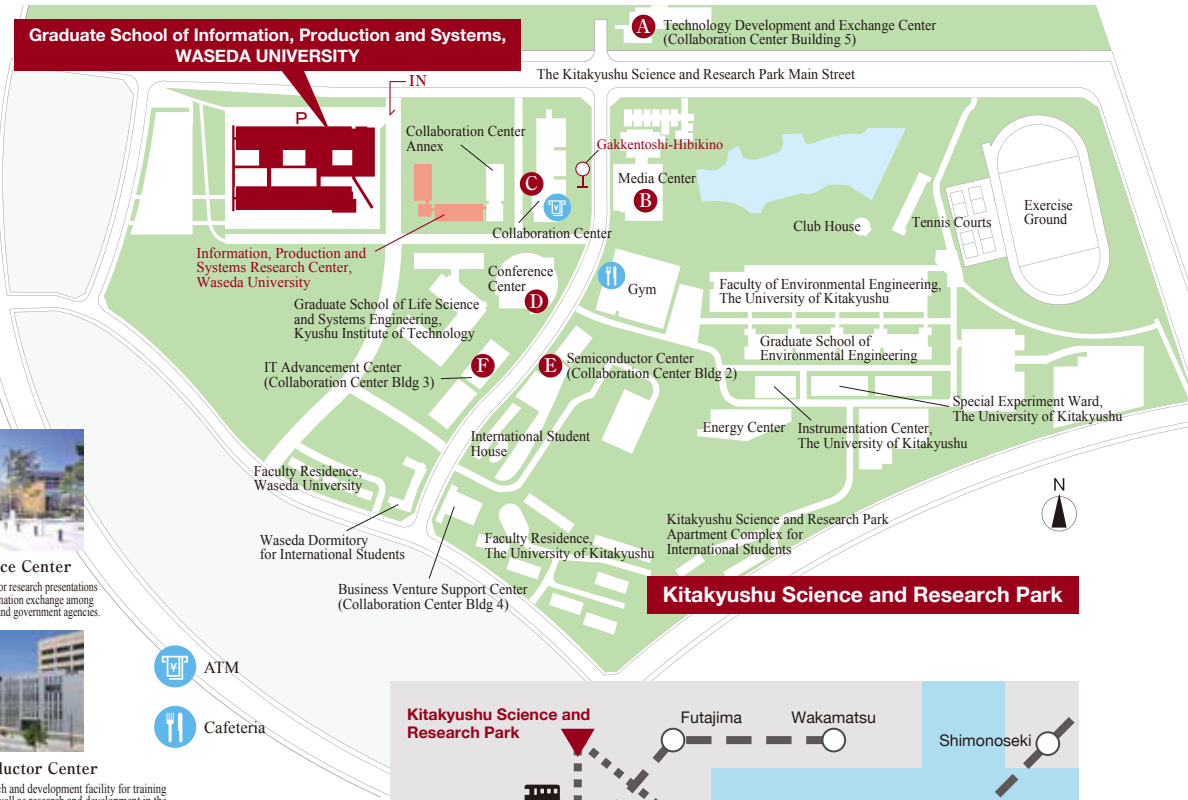
B Media Center (Library, Information Process Facility)
This is the multimedia station where data is collected and transmitted.

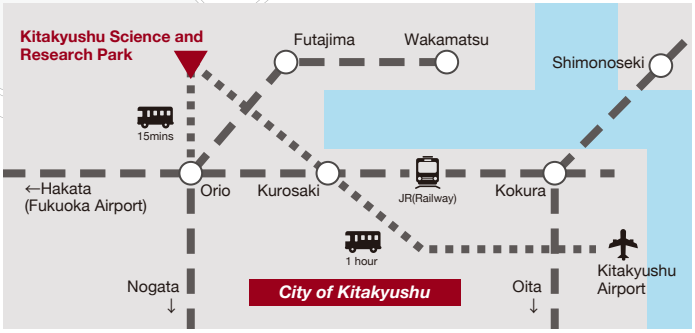
C Collaboration Center
This is the core facility for joint research between industry and universities.

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

早稲田大学
大学院情報生産システム研究科

Graduate School of Information, Production and Systems,
Waseda University

Admissions Office,
Graduate School of Information, Production and Systems, Waseda University
2-7 Hibikino, Wakamatsuku, Kitakyushushi,
Fukuoka 808-0135, JAPAN
koho-ips@list.waseda.jp
TEL.+81-93-692-5017 FAX.+81-93-692-5021
https://www.waseda.jp/fsci/gips/en/