

WASEDA University

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This brochure is published as a guide for students who wish to study at the University in 2022. Information contained in the brochure is accurate at the time of printing (May 2021) and is subject to revision and changes. Please refer to the University website for updates.

www.waseda.jp/top/en

ENGLISH-BASED





Undergraduate Programs 2022



QS World University Rankings 2021



Private University in Japan (#9 in Japan, #189 in the world)

QS World University Rankings by Subject 2021

^{тор}50

Top **100**

Classics & Ancient History
Engineering - Mineral & Mining
Sports-related Subjects
Modern Languages

Politics
Geography
Architecture / Built Environment
Arts & Humanities
Law and Legal Studies

QS Graduate Employability Rankings 2020



Private University in Japan (#2 in Japan, #34 in the world)

Linguistics

Alumni Prime Ministers of Japan Alumni CEOs & Presidents in Japan

10,696* *Asahi Shimbun Publishing College Ranking 2020

Number of International Students*

8,350

Countries and Regions

Where Students Come From*

CHINA	4,425
KOREA	961
TAIWAN	593
U.S.A.	559
INDONESIA	123
FRANCE	121
U.K.	117
THAILAND	116
SINGAPORE	107
HONG KONG	101
GERMANY	85
CANADA	81
OTHERS	961
TOTAL	8,350

*As of 2019 Academic Year



English-based Undergraduate Programs

Overview

School of Political Science and Economics



Degrees Offered

- Majors
- Political Science
- Economics
- Global Political Economy
- Bachelor of Arts in Political Science Bachelor of Arts in Economics Bachelor of Arts in Global Political Economy

School of Social Sciences



Program

Degree Offered

• Transnational and Interdisciplinary Studies in Social Innovation Program (TAISI) Bachelor of Arts in Social Sciences

School of International Liberal Studies



Program

Program

Degree Offered

Degree Offered

- International Liberal Studies
- Bachelor of Arts in International Liberal Studies

School of Culture, Media and Society



• Transcultural Studies Global Studies in Japanese Cultures Program (JCulP) Bachelor of Arts in Literature

School of Fundamental Scien	
▶ Majors	▶ De
Mathematical Sciences	Bac Bac
Computer Science and Communications Engineering	······Bac

School of Creative Science and Engineering

	///////////////////////////////////////
Majors	Þ De
Mechanical Engineering	······Ba
• Civil and Environmental Engineering	Ва

School of Advanced Science and Engineering

	///////////////////////////////////////
Majors	De
• Physics	Bao
Chemistry	Bao
• Bioscience	Bao Bao



chelor of Engineering

chelor of Engineering



egrees Offered

chelor of Science chelor of Engineering

chelor of Science chelor of Engineering

chelor of Science chelor of Engineering



Curriculum

Introduction

Developing Universal Skills and Theoretical Specialization

The School of Political Science and Economics (SPSE) is one of the original academic units established when Waseda University was founded in 1882. The synthesis of the study of political science and economics was innovative at that time and lies at the cutting edge of contemporary academia, both in Japan and globally. The School remains true to its founding goal of advancing scientific understanding of political and economic phenomena.

SPSE offers specialized degree programs in political science and economics that are fully comparable in quality to majors in these disciplines at top universities in North America and to the respective honors degree programs at leading UK universities. Our curriculum provides a systematic progression from introductory to advanced courses, and emphasizes quantitative methods and data analysis, which have become particularly sought-after skills in recent years. Students may select from a widerange of specializations offered by our faculty.

Features



Specialized Degrees

Learn in depth and systematically through specialized coursework in political science and economics



Fully Bilingual Program Most courses offered in English and in Japanese



Develop Core Methodological Skills

Mathematics, statistics, game theory, experimental methods, network analysis, text analysis, and programming



International Faculty with **Genuine International Experience**

International and distinguished faculty with extensive experience at leading universities worldwide



Small, discussion-based courses ("seminars") with professors, from the first year to the final year



Global Learning Environment

Our students come from many countries and regions around the world.

B.A. in Political Science		B.A. in Economics	B.A. in Global Political Economy
POL ECON		POL ECON	POL ECON
	Introduction	Foundation	Specialization
	Political Applycic	Contemporary/Japanese Politics	Political Communication, Political Institutions, Political Behavior, Political Economy, etc.
	Political Analysis	Comparative Politics	Comparative Democratization, Politics of Western Europe, Politics of East Asia, etc.
Political Science	International Relations	International Politics	International Organization, International Political Economy, International Relations, etc.
		Public Policy	Public Policy, Public Administration, Local Government, NGOs, etc.
Public Philosophy	Political Thought and Political History	Japanese Political Thought, Western Political Thought, Constitutionalism, Political Theory, etc.	
		Economic Policy	Labor Economics, Health Economics, Environmental Economics, Political Economics, Law and Economics, etc.
	Microeconomics Macroeconomics	International Economics	Development Economics, Asian Economy, Spatial Economics, Resources and Food, etc.
Economics		Intermediate Micro/Macroeconomics	Japanese Economy, Advanced Micro/Macroeconomics, Welfare Economics, Public Economics, etc.
		Finance	Money and Banking, International Trade, International Finance, Public Finance, etc.
		Economic History	Japanese Economic History, Global Economic History, Economic Thought, Institutional Analysis, etc.
Mothodology	Game Theory	Mathematical Analysis	Advanced Game Theory, Behavioral Economics, Experimental Economics, Mathematical Economics, etc.
Methodology	Statistics	Econometrics	Quantitative Analysis, Network Analysis, Applied Econometrics, Advanced Econometrics, etc.
Seminars	Basic Seminar	Intermediate Seminar	Advanced Seminar, Thesis
	Academic Writing, Jap	panese and Other Languages, Gene	eral Studies, Internships, etc.

Study Abroad Programs Exclusively for SPSE Students

In addition to the University's study-abroad programs, SPSE runs programs exclusively for SPSE students.

Double-Degree Programs	
National Taiwan University	Taiwan
The Hong Kong University of Science and Technology	Hong Kong
Selected Exchange Programs	
City University of Hong Kong	Hong Kong
Victoria University of Wellington	New Zealand
VU University Amsterdam	Netherlands
University of Milan	Italy
University of Tromsø	Norway
IÉSEG School of Management	France



Degrees • Bachelor of Arts in Political Science Bachelor of Arts in Economics Bachelor of Arts in Global Political Economy

Our three majors are defined through credit requirements that specify a mix between political science and economics.

3+1 Consecutive Degree Program with the University of Essex, England

Under the innovative "3+1" program, accomplished students at SPSE complete their B.A. at Waseda in three years and proceed to a prestigious one-year Master's program in Economics (e.g. MSc Economics, MSc Financial Economics and Accounting) at Essex.





School of Social Sciences

TAISI Transnational and Interdisciplinary Studies in Social Innovation Program

Introduction

Become a Social Innovator

The aim of the TAISI Program is to create "Social innovators" and train students to become leaders for social change. Students in the TAISI Program will not only gain general knowledge in the social sciences, but also practical and specialized knowledge. This is provided through fieldwork and theoretical courses in the following four fields: Community & Social Development, Peace Building & International Cooperation, Economic & Environmental Sustainability, and Social Organizations & Working. As the world continues to globalize and advance, it has become increasingly important that as citizens of the world, students need to not only approach global issues from an international perspective, but also discover and implement more effective, sustainable, and fair solutions to these issues.

Features



Hands-on Experience

Students will engage in either on-site research or classroom simulation to find feasible and sustainable solutions to social issues.



Multidisciplinary Research

Students study the social sciences via a broad base of multidisciplinary and foundational knowledge with a focus on four fields.







Japanese Perspective Students study these fields from the Japanese perspective and investigate whether Japanese methods can be applied or adopted.

Please use the following QR code or URL.



1st Year

Curriculum

Foundations in Social Sciences

Example of Courses

- Game Theory
- Contemporary Japanese Society
- Empirical Study on Policy Evaluation

Interdisciplinary Studies in Social Innovation

Community & Social Development



Example of Courses Introduction to Rural Development Theory of Community Development

• Urban History of Tokyo

2nd Year

Peace Building & International Cooperation



Example of Courses

- Globalization and Human Rights
- Education and Development
- Japan and World War II: Historical Controversies

Economic & Environmental Sustainability



- Example of Courses
- Introduction to Public Economics
- International Development Policy International Finance

Social Organizations & Working



- Example of Courses International Human Resource Management
 - Theories of Social Business Cooperation
- **Statistics Literacy**
- Seminar Freshman Seminar

Sophomore Seminar

Japanese Language Study

*Courses may be subject to change



Degree • Bachelor of Arts in Social Sciences







Introduction

Crossing Borders, Sharing Cultures, Inventing the Future

The School of International Liberal Studies (SILS) offers a unique environment where students from more than 50 countries and regions around the world come together to study a range of subjects and exchange views with each other. The small-sized classes feature professors whose backgrounds are as varied as those of the students.

Students at SILS pursue a liberal arts curriculum which emphasizes the fostering of knowledge of various different areas, gaining multidimensional perspectives, developing logical thinking, and acquiring language skills over four years. In addition, the school offers a wide variety of innovative programs and support for not only the student's studies, but also in choosing and embarking on their future careers, whether in Japan or abroad.

By becoming a member of this international community, students will gain the skills required to thrive in today's multicultural world through working and interacting with one another.

Features



A Liberal Arts Curriculum with Seven Clusters

There are many different sides to every issue, and the education at SILS will provide students with the ability to approach each issue from various perspectives in order to analyze it more deeply.



Diversity in Coexistence

Approximately 30% of our students and faculty are non-Japanese nationals, and they come from more than 50 countries and regions around the world.



Small-class Education

Seminars are based on a ratio of one teacher for every 20 students. Through active discussions, dialogues, Q&As, and presentations, the students develop their linguistic competence and communication skills, enabling them to learn, think, and convey their views effectively.

Curriculum



Concentration Program

In this program, if students obtain more than a certain number of credits from a list of specified classes, then they can receive a certificate indicating that they have completed this Concentration. In this way, students can deepen their knowledge of a particular field or area while studying a broad range of subjects in the liberal arts curriculum.

APM Program

In 2017, SILS started the APM program (Area Studies and Plurilingual/Multicultural Education Program). This program is held in French, Spanish, Chinese and Korean and not only focuses on acquiring each language, but also includes "Content and Language Integrated Learning" (CLIL), during which students learn about the target country's culture, history, economy, and politics from different perspectives in the target language. A one year study abroad program is also linked with the APM program, allowing students to choose to study abroad in the target country to deepen their knowledge. APM fosters students not only to have plurilingual and multicultural skills, but also to become global citizens and leaders who are open to different cultures and backgrounds.

5BM Programme

The SILS-Sciences Po 5BM Programme is a competitive programme (taught in English) designed for students interested in obtaining a Bachelor's degree from SILS and a Master's degree from Sciences Po within 5 years (5.5 years for April-entry students). Ranked 4th internationally for Politics & International Studies (QS Ranking), Sciences Po is one of the world's leading universities for Social Studies. Students can become multilingual with intensive French language courses during their studies there.

Students shortlisted by SILS and accepted by Sciences Po will be able to spend 2 years at Sciences Po after 3 (or 3.5 years) of study in SILS. Every year, 5 students from SILS will be shortlisted.



Degree • Bachelor of Arts in International Liberal Studies

SILS has created seven different study clusters in order to allow students to become well-rounded and flexible individuals. Each cluster is divided into three levels: Introductory, Intermediate and Advanced. Instead of immediately throwing themselves into one particular discipline, students are encouraged to take the classes that interest them and gradually work toward more specialized knowledge.

The Concentration Courses Available in AY 2020

- American Studies
- Global Governance
- International Relations
- Literature
- Economics
- Linguistics

History

Mathematical Sciences

European Studies

- Media Studies
- Political Economy of International Development







JCulP

Global Studies in Japanese Cultures Program

Introduction

Why Study at JCulP?

JCulP takes students through a humanistic exploration of the literary, artistic, and philosophical movements that shape Japan today. Students will not only study Japan's long and rich cultural tradition, but also explore its current vibrant and creative subcultures, such as manga, anime, and J-pop. Our diverse curriculum will expand your horizons and allow you to reexamine your own culture within a global context, giving you a different perspective and a deeper understanding of the world.

Features



A diverse group of students from Japan and abroad



An interdisciplinary curriculum that you can tailor to your interests



Japanese proficiency not required upon admission



To read more in-depth articles about JCulP, search for "JCulP news" online.



Promotional Videos

To watch interviews with actual JCulP students and faculty, search for "JCulP promotional video" online.





Overview of the Coursework



Wide Range of Elective Courses

JAPANESE LITERATURE

- $\boldsymbol{\cdot}$ Contemporary Japanese Fiction in English Translation
- $\boldsymbol{\cdot}$ Reading and Translating Japanese Literature
- \cdot Japanese Literature in the World: From Genji to Haiku
- $\boldsymbol{\cdot}$ Storytelling and Media

JAPANESE CULTURE AND SOCIETY

- Radical Thought, Protest and Dissent in Modern Japan
- Sociolinguistic dynamics in Japanese languages and dialects
- Tracing the Borders of Japan in the Early 20th Century
- Ghosts and the Supernatural in Japanese Culture



Degree • Bachelor of Arts in Literature

VISUAL CULTURE AND MEDIA

- Global Tokyo
- Anime: The Face of Japanese Popular Culture
- Japan's Living Theater
- · Japanese Cinema and Literature

WORLD LITERATURE & CREATIVE WRITING

- $\boldsymbol{\cdot}$ Youth Culture in Modern East Asia
- Introduction to Creative Writing
- Women's Coming-of-Age Narratives
- $\boldsymbol{\cdot}$ Creative Writing Beyond the Mother Tongue



School of Fundamental Science and Engineering
 School of Creative Science and Engineering
 School of Advanced Science and Engineering

Introduction

In 2010, the Faculty of Science and Engineering at Waseda University became one of the first institutions in Japan to introduce an English-based Program, offering students the opportunity to acquire an undergraduate degree based solely on learning in English. This idea has been highly acclaimed in both Japan and overseas.

From April 2018, the undergraduate English-based Program was reorganized into seven Majors, with education and research education programs strengthened through the addition of new disciplines and by boosting the faculty. Based around this worldclass program, we aim to create new value through the mutual stimulation of a diverse student body and by building the best possible environment for an education in science and engineering.



Features



Broad coverage of 7 major fields of science and engineering



Covers the most diverse range of fields of any international program in Japan.



In the heart of a city well known as one of the safest and easiest places to live in the world, the Faculty of Science and Engineering is on the Nishi-Waseda campus.

Curriculum



Seven Major courses covering a broad range of science and engineering fields have been established over three undergraduate schools. Students in the undergraduate English-based Program obtain degrees in each Major upon conducting studies across the entire curriculum in English. (*The type of degree you can obtain depends on the chosen course.)

In the first and second years, students mainly take courses aimed at acquiring the foundational knowledge required in all fields of science and engineering, while preparing to take the specialized courses under each Major that begin from the second year. During graduation research, students are assigned to a research laboratory or seminar and work on compiling their graduation thesis under the direct guidance of their supervising teachers.

Students enrolling in September are required to take Japanese, and they may take the course offered by the university's Center for Japanese Language.

Departmental Affiliation and Degree

When students enroll in the English-based Undergraduate Program in Science and Engineering, Waseda University, each student is automatically affiliated with the School responsible for administering the students' chosen major program. At the end of their third year, each student's departmental affiliation is determined by the School taking into account the student's academic performance and preference. The table below shows the departments which students may be affiliated with according to their chosen major (e.g. students who choose to major in Mathematical Sciences will be affiliated with either the Department of Mathematics or the Department of Applied Mathematics at the beginning of their fourth year). As shown in the table below, the type of degree (i.e. a Bachelor of Science degree or a Bachelor of Engineering degree) a student will be conferred upon graduation will depend on the student's departmental affiliation.

Major	Degree	Department	School	
Mathematical Sciences	Bachelor of Science	Mathematics	Fundamental Science and Engineering	
	Bachelor of Engineering	Applied Mathematics		
Computer Science and Communications Engineering	Bachelor of Engineering	Computer Science and Engineering Communications and Computer Engineering		
Mechanical Engineering	Bachelor of Engineering	Modern Mechanical Engineering		
Civil and Environmental Engineering	Bachelor of Engineering	 Civil and Environmental Engineering Resources and Environmental Engineering 	Creative Science and Engineering	
Physics	Bachelor of Science	Physics		
rilysics	Bachelor of Engineering	Applied Physics		
Chamistry	Bachelor of Science	Chemistry and Biochemistry		
Chemistry	Bachelor of Engineering	Applied Chemistry	Advanced Science and Engineering	
Bioscience	Bachelor of ScienceBachelor of Engineering	Life Science and Medical Bioscience*		
	Bachelor of Engineering	Electrical Engineering and Bioscience		

*In the Department of Life Science and Medical Bioscience, the type of bachelor's degree (i.e. a Bachelor of Science degree or a Bachelor of Engineering degree) a student will be conferred upon graduation depends on the type of research (i.e. science or engineering) that is conducted by the faculty research group to which the student belongs.





School of Fundamental **Science and Engineering**

Major in Mathematical Sciences

Express, connect, and create Mathematical sciences is the door to the future

The Major in Mathematical Sciences will provide a broad curriculum, ranging from fundamental to applied mathematics. The aim is to equip students with knowledge not only of mathematical sciences but also of its connections to scientific and engineering fields, and to provide students with the mathematical skills needed to make a contribution to society. The course places particular focus on three topics that are essential in modern society: nonlinear mathematics, computational mathematics, and statistical mathematics.

Faculty & Keywords

Name	Research Area
BOWEN, Mark	Nonlinear Systems
FUNAKI, Tadahisa	Probability Theory
GUEST, Martin	Geometry
HAYAMIZU, Momoko	Discrete Mathematics
HOMMA, Yasushi	Differential Geometry
IKEDA, Takeshi	Geometry, Representation Theory and Combinatorics
ITO, Kimihisa	Mathematical Materials Engineering
KAJI, Hajime	Algebraic Geometry
KASHIWAGI, Masahide	Numerical Analysis
KAWASHIMA, Shuichi	Partial Differential Equations
KOJIMA, Sadayoshi	Topology
KOYAMA, Akira	Topology
KOZONO, Hideo	Functional Analysis, Non-linear Partial Differential Equations
KUTO, Kousuke	Nonlinear Partial Differential Equations
MARUNO, Kenichi	Mathematical Physics
MATSUSHIMA, Toshiyasu	Information Theory and its Applications

Name	Research Area
MIEZAKI, Tsuyoshi	Algebraic Combinatorics
MURAKAMI, Jun	Topology
NAGAI, Yasunari	Algebraic Geometry
NARITA, Hiroaki	Number theory and Automorphic forms
OISHI, Shinichi	Verification of Accuracy of Numerical Computations and Applications
OZAKI, Manabu	Algebraic Number Theory
SHIBATA, Yoshihiro	Partial Differential Equations
SHIMIZU, Yasutaka	Mathematical Statistics and Applied Probability
TAKAHASHI, Daisuke	Nonlinear Dynamical System
TANAKA, Kazunaga	Nonlinear Analysis
TANIGUCHI, Masanobu	Statistical Science
TOYOIZUMI, Hiroshi	Applied Probability
TRINH, Khanh Duy	Probability Theory and Applied Probability
USUBA, Toshimichi	Mathematical Logic, Set Theory
YAMAZAKI, Masao	Partial Differential Equations
YONEDA, Gen	Theory of Relativity

egree • Bachelor of Science

Bachelor of Engineering

Major in Computer Science and Communications Engineering

Incubating CSCE talents to contribute to society

Students in the Computer Science and Communications Engineering Major acquire cuttingedge knowledge and skills required for an advanced networked and computerized society, encompassing computer science, computer engineering and communications engineering. The major aims to maximize the individual potential of each student and thereby foster future engineers who will be able to contribute to these fields in a global context and in a variety of professions. Career paths are diverse thanks to the recent computerization, and include software, electric machinery, telecommunications, broadcasting, and ICT services.



Degrees • Bachelor of Engineering

Faculty & Keywords

Name	Research Area
FUKAZAWA, Yoshiaki	Software Engineering, Web-application Development, Agent-Based Software
HONIDEN, Shinichi	Self-adaptive systems, Automated software evolution, Automated program repair
ISHIKAWA, Hiroshi	Computer Vision, Discrete Optimization, Pattern Analysis
KAMEYAMA, Wataru	Multimedia Content Distribution, Information Sharing and Retrieving
KANAI, Kenji	Multimedia Communication and System, Mobile Networking and Computing
KASAHARA, Hironori	Supercomputing, Multicore, Parallelizing & Power Reducing Compiler
KASAI, Hiroyuki	Optimization, Machine Learning, Signal Processing
KATTO, Jiro	Future Networking and Multimedia Signal Processing
KAWAHARA, Daisuke	Natural Language Processing, Artificial Intelligence, Text Analysis/Understanding
KIMURA, Keiji	Computer architecture, Parallelized Applications, Parallelizing compiler
KOBAYASHI, Tetsunori	Perceptual Computing, Spoken Language Processing, Image Processing, Intelligent Robot
LIU, Jiang	Optical Wireless Systems, Smart Grid Systems, IoT
MAEHARA, Fumiaki	Wireless communications and communications-related signal processing
MORI, Tatsuya	Information security and privacy
NAKAJIMA, Tatsuo	Infrastructures, Social Platforms, and Interaction Design in Distributed Computing Environments
NAKAZATO, Hidenori	Network Engineering, Distributed Computing
OGAWA, Tetsuji	Pattern Recognition, IoT, Audio and Speech Processing
PAN, Zhenni	Green communications, Wireless access and networking, Next generation mobile systems

SAKAI, Tetsuya Information access, Natural language processing, Interaction SAKO, Kazue Cryptographic Protocols, Blockchains, Security and Privacy by Design SHIMAMOTO, Shigeru Wireless Access, Air and Space Communication, Body Area Network SHIMIZU, Kana Computational Biology SIMO-SERRA, Edgar Machine Learning, Computer Graphics, Image Processing, Human Computer Interface SUGAWARA, Multi-Agent Systems, Distributed Artificial Intelligence, Machine Learning in Multi-Agent Systems Contexts Foshiharu SUN, Heming Video Compression, Heterogeneous Computing, FPGA, ASIC TANAKA, Yoshiaki Telecommunication Network, Telecommunication Service Self-adaptive Software, Reactive Systems, Event-triggered Control, TEI, Kenji Internet-of-Things Programming Languages, Program Verification, Program Synthesis, Type Systems, Automated Deduction TERAUCHI, Tachio TOGAWA, Nozomu Integrated circuit system design UCHIDA, Masato Data Science, Machine Learning, Information Security Design and Implementation of Programming Languages, High-UEDA. Kazunori performance Computer-Aided Verification WASHIZAKI, Hironori Software Engineering, Reliable Software Systems, Software Development Environments WATANABE, Hiroshi Video and Image Recognition, Video Coding YAMANA, Hayato Big Data (Secure Computation, Data Mining, IR), Pen-based Computing YANAGISAWA, Masao Bioinformatics

Research Area



Major in Mechanical Engineering

Create New Pages of Mechanical Engineering with us

"Modern mechanical engineering" covers traditional areas such as manufacturing as well as recent areas such as robotics and medical engineering. In response to recent various social demands, modern mechanical engineering is expected to integrate architecture and management system engineering into mechanical engineering. Students can graduate only by taking courses, including laboratory courses and graduation research, given in English, but students are recommended to take also courses given in Japanese to learn relationship between academia and industry in Japan.

Faculty & Keywords

Name	Research Area
ARIGA, Takashi	Urban and Environmental Design
COSENTINO, Sarah	Enaction, Affective Computing
GOTO, Masayuki	Research on Applied Information Science
HASUIKE, Takashi	Research on Mathematical Decision Making
HISHIYAMA, Reiko	Research on Intelligent Information System
ISHIDA, Toru	Artificial Intelligence, Social Informatics
ISHII, Hiroyuki	Biorobotics
ISHIMURA, Kosei	Design of Structures and Mechanisms
IWASAKI, Kiyotaka	Biomechanical and Biomedical Engineering
IWATA, Hiroyasu	Human Assistive and Augmentation Robotics/ Medical Robotics
KAMEZAKI, Mitsuhiro	Smart Human-Machine Interface and Interaction/ Mobile and Field Robotics
KANEKO, Shigehiko	Research on Systems Mechanics
KISHI, Tomoji	Research on Software Engineering
KOMATSUBARA, Akinori	Research on Human Life Engineering
KUSAKA, Jin	Thermal Energy Conversion
MATSUDA, Yu	Thermo-Fluid Engineering, Visualization techniques for thermo-fluid phenomena
MIYASHITA, Tomoyuki	Design Methodology of Mechanical System
MORI, Yasuaki	Research on Intellectual Property Management

Major in Civil and Environmental Engineering

We create a new environment in the pursuit of a sustainable society.

Covering the fundamentals of civil engineering, students learn how to create a better and more sustainable human society through the construction of infrastructure. The course includes environmental approaches to development, ensuring safety and security against natural hazards, and the improvement of urban environments. Career paths include engineers and planners for civil service, construction, transport, and energy industries. The Department of Civil and Environmental Engineering manages the major's educational program, in collaboration with the Department of Resources and Environmental Engineering and the Department of Architecture.

Faculty & Keywords

Name	Research Area
AKAGI, Hirokazu	Soil Mechanics & Geotechnical Engineering
AKIYAMA, Mitsuyosi	Concrete Engineering
ESTEBAN, Miguel	Sustainability Science, Natural Disasters, Climate Change, Renewable Energy
FURUI, Kenji	Geomechanics and Petroleum Production Engineering
HAYAMI, Hiroshi	Atmospheric & Environmental Sciences
IWANAMI, Motoi	Structural Engineering & Structural Design
KAMURA, Kazuo	Geo-environmental Science
KITANO, Naohiro	City and Regional Planning, International Development
KOIWA, Masaki	History of Architecture
KOMINE, Hideo	Geotechnical Engineering
KUBOTA, Yuji	Environmental and Occupational Hygiene
KURIHARA, Masanori	Petroleum Engineering
MORIMOTO, Akinori	Transportation Planning
MURATA, Masaru	Environmental and Occupational Hygiene
ONO, Kiyoshi	Structural Mechanics
OKOCHI, Hiroshi	Atmospheric and Aquatic Environmental Chemistry

Science and Engineering

Research Area

Degree • Bachelor of Engineering



MUNECHIKA, I
MYERS, Corey
NAKAGAKI, Ta
OHMORI, Shur
OHYA, Jun
SUGANO, Shig
TAKAGUCHI, H

Name

- TAKAHASHI, Shingo TAKANISHI, Atsuo TAKIZAWA, Kenji TANABE, Shin-ichi
- UEMICHI, Akane
- UMEZU, Shinjiro
- WESUGI, Shigeru
- YOSHIMURA, Yasutaka Research on Urban-tech
- Masahiko Research on Quality Management Research on Mineralization of Carbon Dioxide akao Research on Exergy Engineering Research on Logistics Engineering Image Engineering Intelligent Machin Hiroto Environment Media Research on Systems Science and Engineering Robotics and Mechatronics Fluid-Structure Interaction Architectural Environment Energy system mechanics Micro/ Nano Engineering Co-creative Interface Design YOSHIDA, Makoto Transporters & Energy Plants Materials Science and Engineering YOSHIMOTO, Kazuho Research on Logistics Engineering

Degree • Bachelor of Engineering



Name	Research Area
OWADA, Shuji	Resources Recycling Engineering
SAKAKIBARA, Yutaka	Water Quality & Environmental Engineering
SASAKI, Kuniaki	Urban science
SASAKI, Yoh	Urban and Regional Design
SATO, Yasuhiko	Structural Engineering & Structural Design
SEKINE, Masato	River Engineering
SHIBAYAMA, Tomoya	Coastal Engineering and Management
TAKABATAKE, Tomoyuki	Coastal Engineering
TAKAGUCHI, Hiroto	Environment Media
TOKORO, Chiharu	Resources and Environmental Processing Engineering
UEDA, Takumi	Exploration Geophysics
WANG, Hailong	Geotechnical and Geoenvironmental Engineering
YAMAGUCHI, Katsunori	Materials Processing Engineering
YANG, Yizhou	Structural Engineering & Concrete Durability



School of Advanced **Science and Engineering**

Name

SAWA TABE.

UYED.

YASU

YUAS

Major in Physics

Let's acquire the solid basis for flexible thinking!

The Major in Physics will provide you with a solid basis in physics, which strengthens your way of logical and scientific thinking and enables you to pursue cutting-edge researches on pure and applied physics. You can systematically learn the fundamentals in classical and modern physics and the basics in the physics-based engineering. In the graduation thesis, you may discover as-yet-unknown phenomena in physics, break new ground in the discipline, and develop epoch-making technologies. The faculty members who are well-versed in a wide area of physics are looking forward to enjoying physics with you!

Faculty & Keywords

Name	Research Area
ABE, Hiroyuki	Theoretical Particle Physics
AOKI, Takao	Quantum Optics Research
HARAYAMA, Takahisa	Nonlinear Physics
HASEGAWA, Tsuyoshi	Surface and Interface Physics
INOUE, Akio	Experimental Astrophysics
KATAOKA, Jun	Applied Radiation Physics
KATSUFUJI, Takuro	Complex Quantum Physics
KITA, Tomohiro	Integrated Optical Devices
KOIKE, Shigeaki	Mathematical Physics
MIZOKAWA, Takashi	Electronic Correlation Physics
MOCHIZUKI, Masahito	Emergent Materials Physics
MORISHIMA, Shigeo	Image Information Processing
MOTZ, Holger Martin	Cosmic Ray Physics
NAKAZATO, Hiromichi	Fundamental Theory of Quantum Mechanics
NIIKURA, Hiromichi	Atomic, Molecular and Optical Physics
OZAWA Tohru	Mathematical Physics



Bachelor of Engineering

Degrees • Bachelor of Science

Name	Research Area
SAWADA, Hideyuki	Fundamentals and Applications of Pattern Information Processing
TABE, Yuka	Soft Matter Physics
TAKANO, Masatoshi	Theoretical Nuclear Physics
TAKANO, Mitsunori	Computational Biophysics
TAKAYAMA, Akari	Surface Science
TAKEUCHI, Atsushi	Semiconductor Device Engineering
TANAKA, Masashi	Experimental Particle Physics
TSUJIKAWA, Shinji	Cosmology and Theoretical Astrophysics
UYEDA, Taro	Molecular Biophysics
WASHIO, Masakazu	High Quality Beam Science
YAMADA, Shoichi	Theoretical Astrophysics
YAMAZAKI, Yoshihiro	Physics of Non-equilibrium System
YASUDA, Kenji	Experimental Biophysics
YORITA, Kohei	High Energy Experimental Particle Physics
YUASA, Kazuya	Theoretical Quantum Physics

Degrees • Bachelor of Science

Major in Chemistry

A chemical connection to the world

Chemistry concerns the study of matter by exploring the frontiers of the science. Pursuing the study of Chemistry at Waseda University will provide you a solid understanding of the subject, while challenging on ambitious scientific goals: enhance the chemical reactivity, analyze biochemical processes, develop biomimetic materials, design new molecular architectures, model the behavior of matter at a molecular scale, and understand enzyme activities. From quantum mechanics to the innovation of advanced materials, the departments of Applied Chemistry as well as Chemistry and Biochemistry will guide you to explore your career prospects in industrial sectors through close collaboration with industry, or in the academic field with a possibility to obtain a doctoral degree in chemistry.



Bachelor of Engineering

Faculty & Keywords

Name	Research Area
FUKUNAGA, Akihiko	Energy Materials
FURUKAWA, Yukio	Structural Chemistry
GUEGAN Régis	Physical Chemistry
HANADA, Nobuko	Materials Science, Chemical Engineering
HIRASAWA, Izumi	Chemical Engineering, Separation Process Engineering, Environmental Engineering
HOMMA, Takayuki	Functional Surface Chemistry, Interface Electrochemistry
HOSOKAWA, Seijiro	Synthetic Organic Chemistry
IMURA, Kohei	Photo-Physical Chemistry
ISHIHARA, Koji	Inorganic Reaction Chemistry
KANOMATA, Nobuhiro	Functional Organic Chemistry, Organic Stereochemistry, Heterocyclic Chemistry
KINO, Kuniki	Fermentation Engineering, Microbial Metabolic Engineering, Applied Biochemistry
KIRIMURA, Kohtaro	Applied Biochemistry, Microbial Functions Development
KOHORI, Fukashi	Chemical Engineering, Interface Engineering
KOIDE, Takaki	Biomolecular Chemistry
MATSUKATA, Masahiko	Catalytic Chemistry, Membrane Separation
MOMMA Toshiyuki	Applied Electrochemistry, Chemistry of Energy Materials



Major in Bioscience

Bioscience unveils the "secrets" of life for its application to advanced medical practice

The Bioscience Major fuels discovery in Life Science and innovation for medical practice by providing fundamental and cutting-edge knowledge and techniques to explore the diversity of living systems. In addition to Bioscience major-specific disciplines, students will receive basic training in core scientific fields such as mathematics, physics, chemistry, biology, medicine, engineering, and information science. To gain practical skills, laboratory sessions will be incorporated to cover experimental techniques across the full spectrum of physical, chemical and biological sciences.

Faculty & Keywords

Name	Research Area	Name	Research Area
ASAHI, Toru	Bio Solid State Physics	SATO, Masamitsu	Molecular Cell Biology, Cytoskeletal Regulation
BANNAI, Hiroko	Biophysics, Neuroscience	SEMBA, Kentaro	Molecular Oncology
GODA, Nobuhito	Medical Biochemistry and Molecular Biology of Diseases	SHIBATA, Shigenobu	Pharmacology, Nutrients Science
HAMADA, Michiaki	Bioinformatics, Computational Biology	SUGIYAMA, Kaori	Biomedical Engineering, Biochemistry, Matrix Biology
INOUE, Masato	Probabilistic Information Processing	TAHARA, Yu	Chronobiology, Physiology, Pharmacology
INOUE, Takafumi	Neurophysiology	TAKEDA, Naoya	Biomaterials, Soft Interface, Tissue Engineering
IWASAKI, Hideo	Biological Aesthetics/Art, Molecular Microbiology	TAKEOKA, Shinji	Science of Biomolecular Assembly, Engineering of Nanomedicine
KIGA, Daisuke	Synthetic Biology, Biochemistry	TAKEYAMA, Haruko	Biomolecular Engineering and Biotechnology
Ll, Tianshu	Biomaterials, Nanomedicine, Cell Biology	TOYA, Mika	Cell biology, Molecular biology, Cytoskeleton
NOZAKI, Chihiro	Neuroimmunology, Neuropharmacology, Pain, Endocannabinoid	TSUNEDA, Satoshi	Environmental Biotechnology
OHSHIMA, Toshio	Molecular Neuroscience	UYEDA, Taro	Molecular Biophysics
OKANO, Toshiyuki	Photobiology, Biochemistry	YANAGITANI, Takahiko	Biosensors, Ultrasonics

TWIns (Center for Advanced Biomedical Sciences)



16 WASEDA UNIVERSITY Undergraduate Schools

Degrees • Bachelor of Science Bachelor of Engineerir



Waseda University and Tokyo Women's Medical University (TWMU) has established this facility as a center for interdisciplinary research that cuts across medicine and engineering. From the Faculty of Science and Engineering, students who mainly study life sciences and biomedical engineering participate in pioneering research in the life and medical fields that cross over their respective areas of specialty.

TWIns mainly offers graduate school education, including a master's program and a doctoral program, while at the undergraduate level, second-year and third-year students use the institute for laboratory practice, and fourth-year students assigned to its laboratories use them to do their graduation work.

*TWIns: Tokyo Women's Medical University – Waseda University Joint Institution for Advanced Biomedical Sciences

From Students



KIM, Young Hoo

School of Political Science and Economics Department of Political Science Graduated from Seoul Foreign School

What a Global Culture Does

Aside from the obvious merits derived from immersing oneself in an unfamiliar culture, the university's practice of international learning is what drew me to Waseda, specifically the SPSE. As someone who studies politics in an effort to expand their worldview, what makes the SPSE perfect for me is that the international setting at Waseda never fails to challenge my perspectives, a blessing for any serious thinker. Professors from all walks of life urge exploration beyond textbooks. The diversity of the student body compels openmindedness. And the global excellence that surrounds you demands a work ethic. Waseda's mode of learning equips you with tools that transcend the classroom by forcing you to do the very thing that constitutes not just a scholar, but a human being: thinking. It is how this university channels its cultural diversity that satiates the very desire that led me to political science.

A diverse student body and close student-professor interaction creates an interesting academic atmosphere

My decision to attend Waseda was a multifaceted one. Studying in a vastly different country with the caveat of learning a new language was not an idea that crossed my mind after finishing high school, to be frank. However, after working abroad in Asia for some time. I had grown to appreciate the unique challenges that came alongside experiencing a new culture. Waseda has provided me the same opportunities to continue my growth as a student and as a person. Especially within the TAISI program, the diverse student body creates an interesting atmosphere for discussion and intense debate. In addition, the small class size allows me to form much more personal friendships with my classmates than what you could find in traditional college settings. What I appreciate the most, however, is the attention and care that the professors share with their students.



MURPHY, Mykel Kyle School of Social Sciences Graduated from Weeki Wachee High School



Discovering interests I never knew I had

The main reason why I chose SILS is because I did not know what I wanted to be in the future. SILS offers such a diverse and liberating program in one of the most prosperous cities in the world; it was an opportunity I did not want to miss and definitely do not regret. If I told my freshman high school self about who I am today, she would have never believed me. SILS allowed me to discover interests I never knew I had in the first place, while learning a new language, which although difficult, I know will benefit me in what I hope will be my future career. Thanks to SILS, I now know I want to serve as a Foreign Officer for my country, the Philippines in the future.

Unique and Inimitable Global Experience

I always loved traveling and learning more about other countries and cultures. Japan was one of the countries that attracted me the most, by its intriguing mix of tradition and modernity. Waseda gave me the opportunity to come study in Tokyo at a prestigious university, and get an insight into the real Japanese culture and lifestyle. Studying in JCulP is providing me with a unique and inimitable global experience. At Waseda, people from all different backgrounds and cultures are welcomed warmly by both the student body and faculty alike. I believe JCulP is giving me the possibility to study both media and culture, and to take part in constructive discussions in an international environment. After my studies, I wish to work in the media industry to share the knowledge I developed during my university time with people who, like me, enjoy discovering the world.



Coming to Waseda has opened up countless new paths that I can pursue

School of Fundamental Science and Engineering

Department of Computer Science and Engineering Graduated from Santa Laurensia Senior High School

My interest in robotics was what originally brought me to Waseda, and is why I enrolled in the Modern Mechanical Engineering course. Although I've only been at Waseda for about four months, the atmosphere here motivates me to try my best even in subjects I find tedious, something that I was never able to do back in my own country. The student body is also very culturally diverse, which makes the whole experience new and even more exciting. For me, the thought of living and managing everything on my own initially seemed really daunting, but within a month I was pretty much adjusted to life in Japan. Being in Tokyo and at Waseda has been an incredible experience so far, and I'm really looking forward to what the next four years will bring!



School of Advanced Science and Engineering Department of Applied Chemistry Graduated from Catholic Junior College

As I am studying at the Department of Applied Chemistry in the School of Advanced Science and Engineering, some of my courses are similar to those from other faculties of science and engineering. Attending classes with international students from many different nationalities creates a familiar and comfortable environment similar to my home, Singapore. This allows me to interact and learn from people with many different perspectives. Besides studying, I also joined a music circle known as SILS Music Club, where members form bands to perform at gigs organized by the circle. This gives me the chance to meet students from faculties on other campuses.



BEZANILLA Y BOURGES, Malena

School of Culture, Media and Society Department of Transcultural Studies Global Studies in Japanese Cultures Program (JCulP) Graduated from Lycée Pierre Lagourgue

Life in Waseda

My life in Waseda University is a colorful one. Being in the International Program for Computer Science and Engineering gives me the chance to learn from both Japanese and international lecturers in English. I've also met many new friends from different nationalities; among them my fellow Indonesians, my neighbors from Malaysia, and ones from Taiwan, U.S.A., Japan, China, and Germany. In Waseda, we can join "circles," which are associations of students with the same interests. I joined a dance circle where we learn international dances and perform in the university festival. I had so much fun! I am very happy that I have such a well-rounded life here at Waseda University.



Waseda - The Melting Pot

WASEDA's Worldwide search



Study Abroad Programs

• Double Degree Programs

Students earn designated degrees from both Waseda and their host university when they graduate with certain requirements satisfied. They need high-level foreign language skills as well as academic skills to complete the curriculum.

• Exchange Programs

Students study abroad based on exchange agreements with partner universities. They are required to have relatively high-level language skills and can take regular academic courses with local students.

• Customized Study Programs

These programs are designed especially for Waseda students. There are two types of programs: one where students can take regular academic courses, and one where they focus on brushing up a foreign language from beginner level.

For a full list of partner institutions, please search "Partner, WASEDA"

Chulalongkorn University (Thailand) Fudan University (China) Indian Institute of Technology, Delhi (India) Korea University (Korea) Nanyang Technological University (Singapore) National Taiwan University (Taiwan) National University of Mongolia (Mongolia) National University of Singapore (Singapore) Peking University (China) Seoul National University (Korea) University of Hong Kong (Hong Kong) University of Indonesia (Indonesia) University of the Philippines (Philippines) Vietnam National University, Hanoi (Vietnam)

and more

w International Center Taipei

Bangkok Office / Waseda Education (Thailand)

w Singapore Office

Short-term Programs

Students have a chance to develop their language skills and to learn the culture of their chosen country during spring or summer vacation. This can be a good opportunity to prepare for participating in a longer study abroad program in the future.

ceania

Student Dormitories

The Residence Life Center provides 20 more dormitories and helps to establish a network extending beyond the affiliated schools, departments and nations. Here are the 2 largest dormitories.

Furthermore, if you would prefer to rent your own apartment, the Student Housing Center - which is operated by Waseda University Property Management Corp - can assist you.

WISH

Access	3 stops by Metro (approx. 9 min) from Waseda Station	
Capacity	872	
Fees	JPY 53,000 per month (includes utility fees)	
Possible Length of Stay	2 years for April admissions and 1.5 years for September admissions (freshmen only)	
Meals	Not provided (shared kitchen available)	
Room Type	Single	
Ratio of Nationalities	International 35% : Japanese 65%	







WID WASEDA

Access	5 min. to Waseda main Campus, 11 min. to Toyama Campus, 18 min. to Nishi-Waseda Campus (on foot)
Capacity	500
Fees	JPY 88,500 per month (includes utility fees)
Possible Length of Stay	1 – 4 years
Meals	Additional fee required (JPY 17,100 per month)
Room Type	Single
Ratio of Nationalities	International 30% : Japanese 70%







Career Path

2020 Academic Year: Post-Graduation Paths of **704** Students in English-based Undergraduate Programs

	Japanese
Employed 59%	 Major Employers Accenture PLC Amazon Japan G. K. Bloomberg L.P. Deloitte Tohmatsu Consulting LLC Dentsu Digital Inc. EY Strategy and Consulting Co., L Fast Retailing Co., Ltd. (UNIQLO) IBM Japan, Ltd. ITOCHU Corporation Japan Airlines Co., Ltd. Japan International Cooperation JPMorgan Securities Japan Co., Lti Marubeni Corporation Microsoft Japan Company, Limite Ministry of Foreign Affairs of Japan
Graduate	Waseda 47 %
school 18%	Major Graduate Scho
Others 23%	 Nanyang Technological University Tsinghua University Peking University The University of Tokyo University of Hong Kong The Hong Kong University of Scient Technology Kyoto University Seoul National University Fudan University Oceania The University of Sydney



(As of April, 2021)

Foreign companies 9%

companies 91%

	 Mitsubishi Corporation
	 Mitsubishi UFJ Financial Group, Inc.
	• MITSUI & CO., LTD.
С	 Mizuho Financial Group, Inc.
	 Morgan Stanley
Ltd.	NTT DATA Corporation
1	 Panasonic Corporation
	 Rakuten, Inc.
	 salesforce.com Co., Ltd.
	 Shiseido Company, Limited
Agency	 SoftBank Corp.
td.	 Sony Corporation
	 Sumitomo Corporation
ed	 The Goldman Sachs Group, Inc.
an	• Yahoo! Inc.



- Johns Hopkins University

nce and Europe

- University of Oxford
- University of Cambridge
- University College London
- EPFL
- King's College London

Scholarships

*Numbers below are as of March 2020.

Scholarships provided by Waseda



Max 1,000,000 yen a year per student

Scholarships provided by external organizations that are available at Waseda





%

of international undergraduate students receive a scholarship

Examples of Waseda Scholarships

Scholarship name	Amount	When you register
Yamada Taikichi and Asa Scholarship	JPY 1,000,000/year	After enrollment
Reserved Scholarship for Successful International Examinees	JPY 500,000/2 year	Before enrollment
Waseda University Partial Tuition-Waiver Scholarship for Privately Financed International Students	50% of annual tuition waived	Before enrollment / After enrollment
Okuma Memorial Scholarship	JPY 400,000/year	Before enrollment / After enrollment
Azusa Ono Memorial Scholarship for International Students	JPY 400,000/year	After enrollment

Expenses

Tuition

First Year Expenses

School Expenses (JFT) Expense	ses (USD)
Political Science and Economics 1,206,500 10),968
Social Sciences 1,178,010 10),709
International Liberal Studies 1,593,000 14	,482
Culture, Media and Society 1,213,000 11	,027
Fundamental Science and Engineering1,721,00015	645
Creative Science and Engineering 1,751,000 - 1,753,000 15,918	- 15,936
Advanced Science and Engineering 1,769,000 16	o,082

The above amounts are for September 2021 enrollment, including the admission fee (JPY 200,000), regular tuition fee and various administrative fees. At a rate of 110 yen per dollar.

Living Expenses

Mar Allen

Estimated Living Expenses (1 month)

	Expenses (JPY)	Expenses (USD)
Accommodation	75,000	681
Food and utilities	27,000	245
Other personal expenses	19,000	172
Total	121,000	1,100

Personal expenses will depend on the student's individual lifestyle. The estimates above are for reference only. At a rate of 110 yen per dollar.

