

Faculty of
Science and Engineering,
Waseda University



Contents

- 02 Campus Scene
- 08 Overview
 - The Faculty of Science and Engineering
- 10 English-based Undergraduate Program
- 12 Majors
- 26 How to apply
- 27 Message from the Senior Dean
 Professor TAKEUCHI, Atsushi

Campus Scene

Science and Engineering in photos

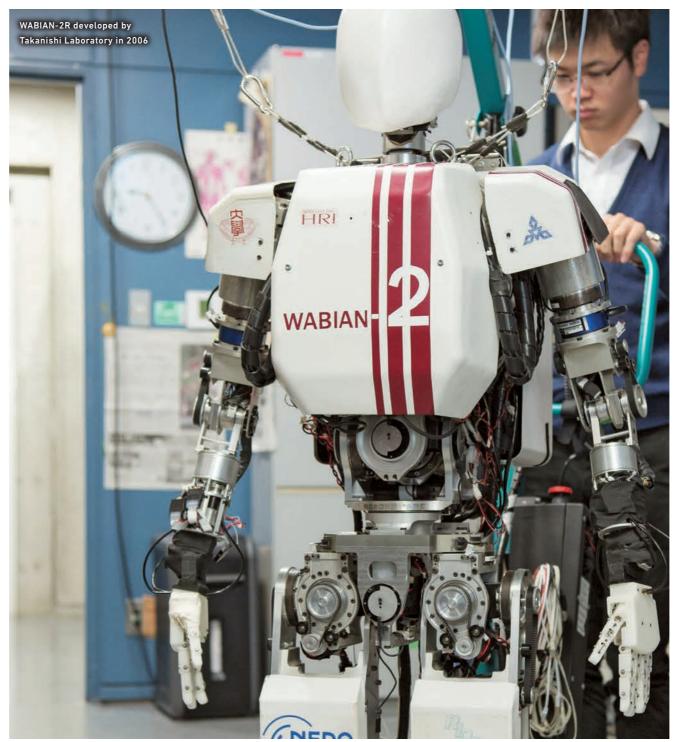
A slice of student life at Waseda University's Faculty of Science and Engineering

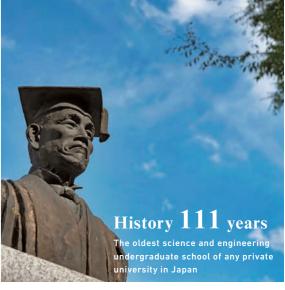
You can find a video tour of the Faculty of Science and Engineering campus, including the places introduced here, on our website. For more details, use the QR code to visit our homepage.





https://www.waseda.jp/fsci/en/about/brochure/









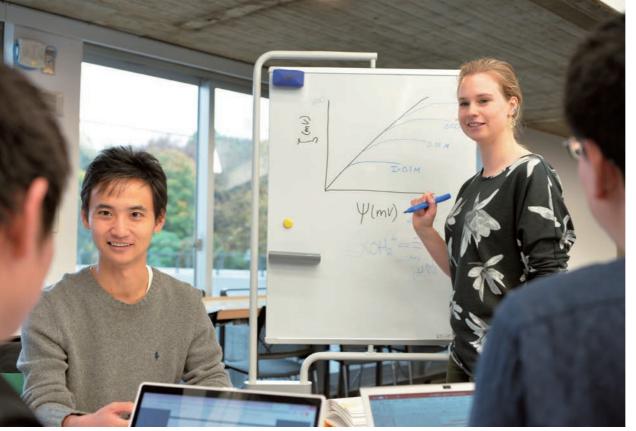
2



















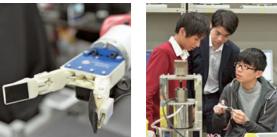


















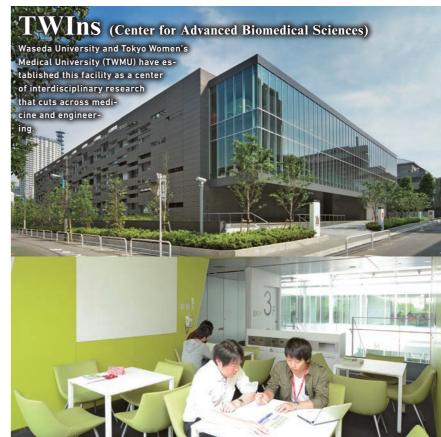












Overview

Faculty of Science and Engineering

TOKYO - the best place to live and study

As one of the world's leading cities, Japan's capital of Tokyo combines the best of traditional and modern cultures. Waseda University is located in Shinjuku ward, where Tokyo's urban functions are concentrated. With several train lines running through it, this area is ideal not only for academics but also for a fulfilling student life complete with shopping, sightseeing, and leisure. One of the cleanest and safest cities in the world, Tokyo is without a doubt one of the best places for international students to study.



Location of Waseda, Nishi-Waseda Campus





Schools, Majors and Departments

Undergraduate sch Japanese-based Proj

School of Fundamental Science and Engineering (Departments)

graduate sch

Applied Mathematics
Applied Mechanics and Aerospace Engineering
Electronic and Physical Systems
Computer Science and Engineering
Communications and Computer Engineering
Intermedia Art and Science

School of Creative Science and Engineering (Departments)

Architecture

Modern Mechanical Engineering
Industrial and Management Systems Engineering
Civil and Environmental Engineering
Resources and Environmental Engineering
Division of Socio-Cultural Studies

School of Advanced Science and Engineering (Departments)

Physics

Applied Physics Chemistry and Biochemistry Applied Chemistry Life Science and Medical Bioscience

Electrical Engineering and Bioscience

School of Fundamental Science and Engineering (Majors, Minors)

Maiors

Mathematics

Major in Mathematical Sciences
Major in Computer Science and Communications Engineering

Minors

Minor in Mathematical Sciences
Minor in Computer Science and Communications Engineering
Minor in Applied Mechanics and Aerospace Engineering
Minor in Physical Electronics
Minor in Intermedia Art and Science

School of Creative Science and Engineering (Majors)

Majors

Major in Mechanical Engineering
Major in Civil and Environmental Engineering

School of Advanced Science and Engineering (Majors, Minors)

Majors

Major in Physics Major in Chemistry Major in Bioscience

Minors

Minor in Electrical Engineering

Graduate School of Fundamental Science and Engineering (Departments)

Pure and Applied Mathematics
Applied Mechanics and Aerospace Engineering*
(Scheduled to be renamed in April, 2020)
Electronic and Physical Systems*
Computer Science and Communications Engineering
Intermedia Studies
Materials Science*

Graduate School of Creative Science and Engineering (Departments)

Architecture
Modern Mechanical Engineering
Industrial and Management Systems Engineering*
Business Design and Management*
Civil and Environmental Engineering
Earth Science Resources and Environmental Engineering

Graduate School of Advanced Science and Engineering (Departments, Cooperative Majors)

Pure and Applied Physics
Chemistry and Biochemistry
Applied Chemistry
Life Science and Medical Bioscience
Electrical Engineering and Bioscience
Integrative Bioscience and Biomedical Engineering
Nanoscience and Nanoengineering
Cooperative Major in Advanced Biomedical Sciences*
Cooperative Major in Advanced Health Science*
Cooperative Major in Nuclear Energy*
Department of Advanced Science and Engineering*

Graduate School of Information, Production and Systems

Graduate School of Environment and Energy Engineering

* Japanese-based Program only

Centers for Research & Education etc

Waseda Research Institute for Science and Engineering
Kagami Memorial Research Institute for Materials Science and Technology
Information, Production and Systems Research Center
Environmental Research Institute
Global Information and Telecommunication Institute
Center for Advanced Biomedical Sciences (TWIns)
Environmental Safety Center
Comprehensive Research Organization

Organization for University Research Initiatives
Green Computing Systems Research Organization
Advanced Collaborative Research Organization for Smart Society
Research Organization for Next Generation Vehicles
Future Robotics Organization
Research Organization for Nano & Life Innovation
Center for Data Science

f 8

English-based Undergraduate Program

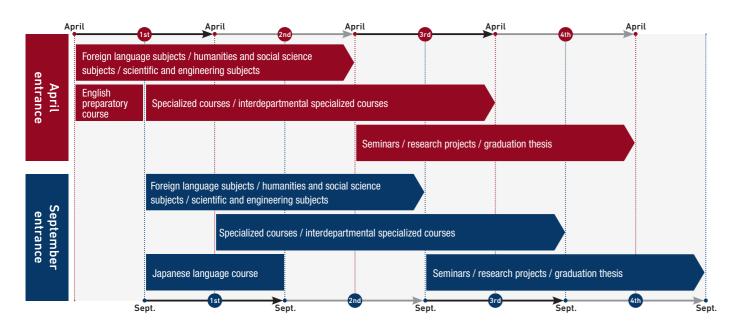
Most diverse fields of science and engineering offered in an International Program in Japan

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 solely taught in English.

This program has been highly acclaimed both in Japan and overseas.

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

The English-based program of the Faculty of Science and Engineering covers a wide range of scientific and engineering disciplines. We offer unique specialized courses that cannot be found in the international science programs of other universities in Japan. Please try to find your field of interest among the Majors and their keywords introduced from page 12.



- 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 their 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 professors.
- Students enrolling in September are required to take Japanese language courses, and they may take the courses offered by the university's Center for Japanese Language.

7 Majors

School of Fundamental Science and Engineering



Major in Mathematical Sciences

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



Major in Computer Science and Communications Engineering

Incubating CSCE talents to contribute to society





Major in Mechanical Engineering

Create New Pages of Mechanical Engineering with us



Major in Civil and Environmental Engineering

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



Major in Physics

Let's acquire a solid basis for flexible thinking!

School of Advanced Science and Engineering



Major in Chemistry

New chemistry opens a new world



Major in Bioscience

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

11

10



Mathematical Sciences

Degree you can obtain Bachelor of Science, Bachelor of Engineering

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.







Message from student Šo graduate



Born a pure Malaysian, I studied at international schools for 10 years, undertaking the IB Diploma Programme and immersing myself in new cultures whilst developing myself in new languages conversationally.

The decision to study in Japan came from my desire to study abroad to once again experience new cultures as well as to facilitate an opportunity to develop an independent lifestyle. I specifically chose Waseda due to the nature of its Englishbased program as well as through high praise from the Japanese connections I made in my international education.

Enjoy doing the research with friends who share similar interests

Master's Student, the Deparment of Pure and Applied Mathematics YANG, Haoyu

(China)

Applied mathematics can be considered as a tool which applies to the problems that arises in different areas and it contains various branches such as computation and probability.

In my undergraduate life, I was deeply impressed by the wide applications of partial differential equations since such complicated physical phenomena can be characterized by just a "simple" equation. After joining a laboratory whose research topic is linked to differential equations, I can discuss problems with people who share similar interests from diverse perspectives and it let me always feel a sense of fulfillment.

BOWEN, Mark	Nonlinear Systems				
FUNAKI, Tadahisa	Probability Theory				
GUEST, Martin	Geometry				
HASHIMOTO, Kiichiro	Number Theory, Automorphic Functions				
HOMMA, Yasushi	Differential Geometry				
ITO, Kimihisa	Mathematical Materials Engineering				
KAJI, Hajime	Algebraic Geometry				
KASHIWAGI, Masahide	Numerical Analysis				
KAWASHIMA, Shuichi	Partial Differential Equations				
KOYAMA, Akira	Topology				
KOJIMA, Sadayoshi	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				
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				
SAGISAKA, Yoshinori	Speech and Language Information Processing				
SASAKI, Hiroo	Mathematical Economics and Game Theory				
SHIBATA, Yoshihiro	Partial Differential Equations				
SHIMIZU, Yasutaka	Statistics and Actuarial Science				
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				
UENO, Kimio	Algebraic Analysis				
USUBA, Toshimichi	Mathematical Logic, Set Theory				
YAMAZAKI, Masao	Partial Differential Equations				
YONEDA, Gen	Theory of Relativity				



Computer Science and **Communications Engineering**

Degree you can obtain | Bachelor of Engineering

Incubating CSCE talents to contribute to society

Students in the Computer Science and Communications Engineering Major acquire cutting-edge 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.





Waseda has a very friendly atmosphere, from the teachers to my friends. Everyone is incredibly nice. Apart from all the theoretical knowledge I've learned so far, I also got the opportunity to learn things practically by performing complicated lab experiments every week. Waseda's school spirit is insanely contagious as well, with the several sport events and university circles. Waseda has been amazing so far. I'm sure you'll have a great time as well.

The purpose of education is to make contributions to society

IBM Japan IT Specialist LYU, Qiuyi (China)

Message from

student

Šo

9

My professor, Yamana Hayato, always encourages us to challenge the cutting-edge technologies and make contributions to society which has inspired me a lot in my student life. Therefore, I took part in the security group in our lab, aiming to protect users' personal information while they are using locationbased services like google maps, which present an unavoidable security concerns with the development of

big data. I will keep working on finding better solutions for social problems by technological innovations in my work, as a female, an international citizen and a Waseda alumna.



YANAGISAWA, Masao





Infrastructures, Social Platforms, and Interaction Design in Distributed Green communications, Wireless access and networking, Next generation Wireless Communication Systems, Network Architecture, Modern Mobile Machine Learning, Computer Graphics, Image Processing, Human Computer Multi-Agent Systems, Distributed Artificial Intelligence, Machine Learning in Design and Implementation of Programming Languages, High-performance Software Engineering, Reliable Software Systems, Software Development WATANABE, Hiroshi Video and Image Recognition, Video Coding YAMANA, Hayato Big Data (Secure Computation, Data Mining, IR), Pen-based Computing

SoC (System LSI) design and CAD (Computer-Aided Design), Bioinformatics

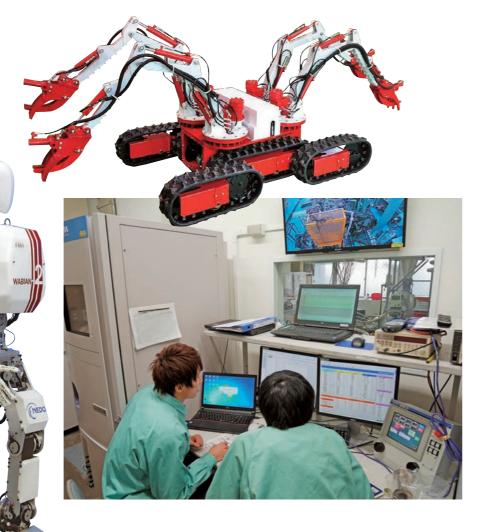


Mechanical Engineering

Degree you can obtain | Bachelor of 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.





For someone who has always wanted to study abroad and explore the world, Waseda, being one of the best options for English language programs available in Japan, was naturally my first choice. At first, I had my worries about adapting to the college life but one of the real highlights of being here is definitely the sense of community you get with the people around you. Even though the workload is quite tough, the friends that I have made here really gave me that much needed extra push.

Waseda can be a perfect introduction into Japanese society

Master's Student, Department of Modern Mechanical Engineering TUCKER, Rawleigh

(Bermuda)

Message from

student

δο

graduate

I came to Waseda with one goal; join the prestigious history of robotics research. I wanted to experience all parts of Japanese

university life, so joined a rugby circle as the only international member during my undergraduate study. It provided me with some of my best memories, including a national league grand final. Extensive Japanese classes have also enhanced my communication with my Japanese friends as well as in the lab with my colleagues. Waseda is continuing to help me understand and be part of both the work and social aspects of Japanese society.

ARIGA, Takashi	Urban and Environmental Design			
COSENTINO, Sarah	Human Performance Analysis And Enhancement Robotics, Human-Robot Interaction			
GOTO, Masayuki	Research on Applied Information Science			
HASUIKE, Takashi	Research on Mathematical Decision Making			
HISHIYAMA, Reiko	Research on Intelligent Information System			
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			
KATSUTA, Masafumi	Environmental Power Systems			
KISHI, Tomoji	Research on Software Engineering			
KUSAKA, Jin	Thermal Energy Conversion			
KOMATSUBARA, Akinori	Research on Human Life Engineering			
MATSUDA, Yu	Thermo-Fluid Engineering, Visualization techniques for thermo-fluid phenomer			
MIYASHITA, Tomoyuki	Design Methodology of Mechanical System			
MORI, Yasuaki	Research on Intellectual Property Management			
MUNECHIKA, Masahiko	Research on Quality Management			
NAKAGAKI, Takao	Environmental and Chemical Energy Conversion Research, Environment and Energy Division			
OHMORI, Shunichi	Research on Logistics Engineering			
OHYA, Jun	Image Engineering			
SUGANO, Shigeki	Intelligent Machine			
TAKAGUCHI, Hiroto	Environment Media			
TAKAHASHI, Shingo	Research on Systems Science and Engineering			
TAKANISHI, Atsuo	Robotics and Mechatronics			
TAKATA, Shozo	Research on Life Cycle Engineering			
TAKIZAWA, Kenji	Fluid-Structure Interaction			
TANABE, Shin-ichi	Architectural Environment			
UEDA, Masao	Research on Marketing Engineering			
UMEZU, Mitsuo	Mechanical Engineering in Medical Field			
UMEZU, Shinjiro	Micro/ Nano Engineering			
WENG, Jiahua	Research on Operations Engineering			
WESUGI, Shigeru	Co-creative Interface Design			
YOSHIDA, Makoto	Transporters & Energy Plants Materials Science and Engineering			
YOSHIMOTO, Kazuho	Research on Logistics Engineering			
YOSHIMURA, Yasutaka	Research on Urban-tech			
ZHOU, Beini	Research on Thermal Energy Conversion and Reaction Engineering			



Civil Environmental Engineering

Degree you can obtain | Bachelor of 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 disasters, 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.









Coming to Waseda University was a dream come true for me. I have always admired the strength students show in and out of class. With the diverse background of students and staff, I am able to learn a lot from people and about their cultures which I believe is very useful for what I am currently studying. While in Waseda, I believe that I would be able to get the quality education in civil and environmental engineering to bring about sustainable living and development to Japan and my home country, Sierra Leone.

Waseda opened a path for me to Europe

Sweco Hydraulic engineer OKUMURA, Non

(Japan)

I studied Civil and Environmental engineering at Waseda and focused on disaster management research in my last year. I was lucky to have had great relationships with my professors and to have met wonderful and motivating friends. My year in Shibayama laboratory inspired me to focus on hydraulic

engineering and I pursued my masters at one of the best institutions in the field, TU-Delft in the Netherlands. Today I assess dam safety and

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				
HASEMI, Yuji	Safety Planning in Built Environment				
IWANAMI, Motoi	Structural Engineering & Structural Design				
KAMURA, Kazuo	Geo-environmental Science				
KITANO, Naohiro	International Development, Regional Study				
KOIWA, Masaki	History of Architecture				
KOMINE, Hideo	Geotechnical Engineering				
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				
OWADA, Shuji	Resources Recycling Engineering				
SAKAKIBARA, Yutaka	Water Quality & Environmental Engineering				
SASAKI, Yoh	Urban and Regional Design				
SATO, Yasuhiko	Structural Engineering & Structural Design				
SEKINE, Masato	River Engineering				
SHIBAYAMA, Tomoya	Coastal Engineering and Management				
TAKAGUCHI, Hiroto	Environment Media				
TOKORO, Chiharu	Resources and Environmental Processing Engineering				
UEDA, Takumi	Exploration Geophysics				
YAMAGUCHI, Katsunori	Materials Processing Engineering				



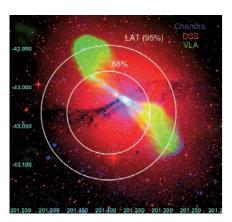


hysics

Degree you can obtain Bachelor of Science, Bachelor of Engineering

Let's acquire a 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 physicsbased 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!











Message from student ζo

graduate

for any student in the world NAKAJIMA, Riki

Living in Malaysia for almost my whole life, I was brought up in a multicultural community. Coming to Waseda felt just like home, welcoming me with a student-friendly atmosphere and an international environment. I enjoy studying physics because it unravels various mysteries of the universe in such a logical and concise manner. Since young, I loved playing sport and I'm glad to have joined the windsurfing club, where I can meet students from various departments and create everlasting bonds with my teammates. I'm confident to say, I'm having the best time of my life!

An English program with great challenge and excitement

P&G Japan Technical Engineer TSUJI, Masayuki

Learning physics in English was a privilege especially in Japan where the leading edge research was happening. The best thing about the IPSE Applied Physics program was that it provided me with the strong foundation. Not only on

the core skills, but emerging skills such as programming, academic writing and presenting gave me the confidence as a Physics graduate. I most enjoyed my time with the experienced and passionate professors from freshmen where they were always willing to help whenever I needed them. A great course for a challenging and exciting experience!

ABE, Hiroyuki	Theoretical Particle Physics				
AOKI, Takao	Quantum Optics Research				
HARAYAMA, Takahisa	Nonlinear Physics				
HASEGAWA, Tsuyoshi	Surface and Interface Physics				
INOUE, Akio	Experimental Astrophysics				
KATSUFUJI, Takuro	Complex Quantum Physics				
KATAOKA, Jun	Applied Radiation Physics				
KITA, Tomohiro	Integrated Optical Devices				
KOIKE, Shigeaki	Mathematical Physics				
KOMATSU, Shinichi	Optical Science and Engineering				
MAEDA, Kei-ichi	Relativistic Astrophysics and Cosmology				
MATSUDA, Azusa	Experimental Low Temperature Condensed Matter Physics				
MIKHAILENKO Sergey	Experimental Biophysics				
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				
OTANI, Mitsuharu	Mathematical Physics				
OZAWA, Tohru	Mathematical Physics				
SAWADA, Hideyuki	Fundamentals and Applications of Pattern Information Processing				
TABE, Yuka	Soft Matter Physics				
TAKANO, Masatoshi	Theoretical Nuclear Physics				
TAKANO, Mitsunori	Theoretical Biophysics				
TAKAYAMA, Akari	Surface Science				
TAKEUCHI, Atsushi	Semiconductor Device Engineering				
TANAKA, Masashi	Experimental Particle Physics				
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				

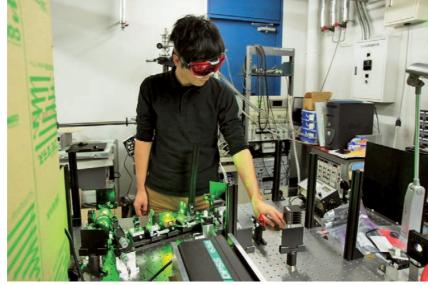


igsim hemistry

Degree you can obtain Bachelor of Science, Bachelor of Engineering

New Chemistry opens a new world

Chemistry is a field of science that studies chemical syntheses and reactions, as well as the functions of substances and materials, at the atomic and molecular levels. Our undergraduate curriculum covers the major areas of chemistry and chemical engineering and is designed to provide students with broad knowledge and understanding. It also offers opportunities for more in-depth study in their specific area of interest in Japanese. Upon completion of our program, students have the choice of continuing their research in graduate programs or starting a professional career in a range of fields, such as environmental science, biotechnology, nanotechnology, and chemical engineering.







essage from student ζo gra

٥



Waseda for me is the place that showed me challenge and enormous amount of opportunities. Majoring chemistry here meant access to various laboratories and learning from the best professors in the field. People here have different backgrounds which allows me to learn so much from others. Classes are also different as they are usually small but can be big and each professor has his/her own teaching technique and they always welcome and encourage questions. We have plenty of circles

laboratory conducted at Tokyo Women's Medical University. This course was what ultimately motivated me to study biochemistry further. I recently started working as a research technician in a

biology laboratory at ETH Zürich. It is a laboratory that focuses

on studying the molecular and cellular mechanisms behind wound healing and skin cancer. The G30 programme is a perfect fit for any international students like myself.



YAMAMOTO, Kana



Synthetic Organic Chemistry





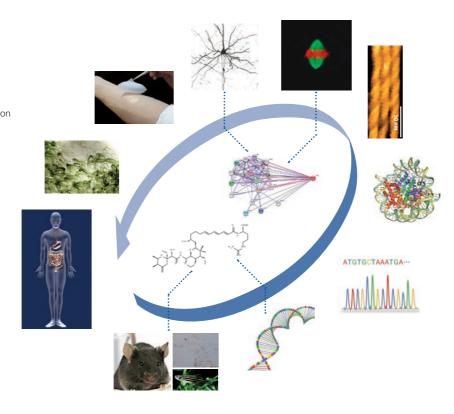
Dioscience

Degree you can obtain Bachelor of Science, Bachelor of Engineering

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 cuttingedge 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.





Message from student δo graduate



Having lived in many different countries, I was looking for a university where I can receive quality education with people from diverse background. Waseda University is an epitome of such university. As a Medical Bioscience major, I am able to study wide range of science and humanities courses with fellow Japanese and international students. When I am struggling with a certain class, students majoring in that subject helps me get through it. I feel so blessed to be a part of this community and am looking forward to four years in Waseda!

Enjoy the rich international environment and advanced research facilities!

Master's Student, the Department of Life Science and Medical Bioscience JO, Soo Hyun

(💽 Korea)

I entered Waseda university in 2012 and am currently studying neuroscience in the graduate school. The reason I decided to come to Waseda is because of its interdisciplinary education system, which allows students to combine different fields to study science. Also, the friendly atmosphere of the faculty members made it easier for us to communicate freely. In addition,

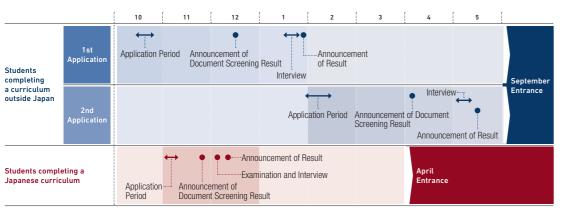
the life science department has advanced research facilities and students will have many opportunities to learn different experimental techniques. They can even design their own research! I hope you will enjoy your future in Waseda!



ASAHI, Toru	Bio Solid State Physics			
CAMPBELL, Douglas S.	Neuroscience, Neuronal Remodeling, Cell Biology, Developmental Neurobiology			
GODA, Nobuhito	Medical Biochemistry and Molecular Biology of Diseases			
HAMADA, Michiaki	Bioinformatics, Computational Biology			
HATTORI, Masahira	Genome and Metagenome Sciences, Bioinformatics			
HOSOKAWA, Masahito	Biotechnology, Bioengineering, Microfluidic Device, Genomics			
INOUE, Takafumi	Neurophysiology			
INOUE, Masato	Probabilistic Information Processing			
IWASAKI, Hideo	Biological Aesthetics/Art, Molecular Microbiology			
KIGA, Daisuke	Synthetic Biology, Biochemistry			
LI, Tianshu	Biomaterials, Nanomedicine, Cell Biology			
OHSHIMA, Toshio	Molecular Neuroscience			
OKANO, Toshiyuki	Photobiology, Biochemistry			
ORIHARA, Kanami	Immunology, Molecular Bioscience			
SATO, Masamitsu	Molecular Cell Biology, Cytoskeletal Regulation			
SHIBATA, Shigenobu	Pharmacology, Nutrients Science			
SEMBA, Kentaro	Molecular Oncology			
TAKEDA, Naoya	Biomaterials, Soft Interface, Tissue Engineering			
TAKEOKA, Shinji	Science of Biomolecular Assembly, Engineering of Nanomedicine			
TAKEYAMA, Haruko	Biomolecular Engineering and Biotechnology			
TSUNEDA, Satoshi	Environmental Biotechnology			
UYEDA, Taro	Molecular Biophysics			
YANAGITANI, Takahiko	Biosensors, Ultrasonics			

How to apply

Admission Schedule



or more details



https://www.waseda.jp/ fsci/en/admissions_us/

There are two application periods. You may only submit an application for admission once per academic year. Please choose one of the two periods. For students completing a Japanese education curriculum, there is an admissions program in April.

Tuition and Fees

First Year		(In Japanese Yen)	
	Upon entry (Expenses for the first semester)	Expenses for the second semester	Total
School of Fundamental Science and Engineering	960,500	760,500	1,721,000
School of Creative Science and Engineering	975,500 ~ 976,500	775,500 ~ 776,500	1,751,000 ~ 1,753,000
School of Advanced Science and Engineering	984,500	784,500	1,769,000

The amounts are for September 2019 enrollment, including the admission fee (JPY200,000), regular tuition and various administrative fees. Please check the latest information on tuition fees when applying.

Scholarships

Waseda University offers two types of scholarships for foreign students. The first one is determined by the screening result, the students apply registering to enroll. For the second one, students apply after enrollment. In addition to the scholarships offered directly by Waseda University, students can also apply for external scholarships.

For more details



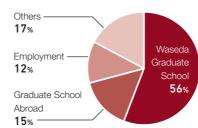
https://www.waseda.jp/ inst/cie/en/life/aid

Career Path

Most graduates advance to a postgraduate school at Waseda or a university overseas. The remaining graduates find employment with Japanese or overseas enterprises and are active in a wide range of fields.

Career Paths of International Program Graduates

(based on the data provided by students at the time of graduation)



Message from the Senior Dean

Waseda University's Faculty of Science and
Engineering, which offers both scientific and
engineering studies, is characterized by a
comprehensive learning system that enables students
to study a wide range of subjects: everything from a
quest for the deepest truths of nature to applications
that directly serve society. There are no international
boundaries placed on these studies.

Indeed, our English-based Program, which allows students to conduct all their studies in English, is now in its tenth year, and international students from around the globe who have enrolled in and graduated from this program are heading out into the world as pioneering scientists and leaders in the international community. I hope that, together, we can continue to pioneer unknown frontiers of science and create new values and functionality.

Professor

TAKEUCHI, Atsushi Senior Dean, Faculty of Science and Engineering



 \mathbf{s}

Get to know the Faculty of Science and Engineering!







Check out our campus videos and university events on our website.

https://www.waseda.jp/fsci/en/about/brochure/

Waseda University Faculty of Science and Engineering

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

Nishi-Waseda Campus Center for Science and Engineering

3-4-1 Okubo, Shinjuku-ku, Tokyo 169-8555, Japan TEL 03-5286-3808 FAX 03-5286-3500 e-mail:info@sci waseda ac in

e-mail:info@sci.waseda.ac.jp https://www.waseda.jp/fsci/en/



★ All student affiliations published in this pamphlet are based on information at the time of the interview. Published: April 2019