

## Address and Contact Information

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# About Saitama University

## SU, All-in-One Campus at Metropolitan Area Saitama — Embodiment of Diversity, Synergy and Integration

At SU, all academic departments and graduate schools are located on a single campus in Saitama, just north of Tokyo. SU has been adding to its appeal more and more by pushing forward with two functional enhancements. The first is the base reinforcement by extensively enhancing the functions of fundamental/applied research and education for global human resource cultivation, with the university mission being the creation and succession of intellect. The second is the self-branding of SU as a regional center for activating the metropolitan area around Saitama.

### History

As the only one national university established in Saitama Prefecture, our history began a century ago. Three national education schools were integrated into Saitama University based on the diverse characteristics of each institute. These founding principles reflect diversity, harmony and progress seen on our campus today.

The year 2019 is the 70th anniversary since its establishment.

### Our Policy

As a comprehensive institution, SU has set the following goals, in line with its key policies of developing human resources as the mainstay of a civil society and generating knowledge and technology in response to the demands of the day:

To fulfill a universal role as a seat of knowledge

To strive to solve the challenges facing contemporary society

To contribute to the global community



## Research Spotlight

### Promotion of International Joint Research

In order to enhance the research capacity for fields in which SU already has advantages by concentrating human and material resources, Strategic Research Units were established in 2014. Developing its system for internationalization of research activities, it has promoted specific research outcomes and produced outcomes.

#### Life/Nano-Bio Unit

**Innovative Cancer Science by Cooperation between Medicine, Science and Engineering**  
— Development of nano-biophysical approaches in life science

It is now well accepted that the stiffness of cancer cells, a biophysical property, is lower than that of normal cells, and that green tea catechin inhibits cancer metastasis by stiffening cancer cells. The main aim of our research is finding and establishing new principles for cancer diagnosis and prevention of metastasis, based on our unique nano-biophysical techniques, which will also become innovative approaches in various fields of life science.

#### Green/Environment Unit

**Global Environmental Conservation Utilizing Green Plants — Collaborative research in plant science and soil science**

The area of Green and Environmental Innovation aims to establish a sustainable society where problems of carbon dioxide emissions and soil contamination are solved by producing useful plants suitable for phytoremediation through genetic and metabolic engineering and studies of soils suitable for plant cultivation. We will contribute to preserving the global environment by producing and using such useful plants.

#### Human-Machine Interaction Unit

**Aiming to Improve Quality of Life (QOL) — Elucidation of human-machine interaction**

We are conducting research on a system that enables ergonomic support based on evidence of perception, judgment and maneuver functions in humans. For example, in order to achieve safer, more secure and more comfortable living and driving in the super-aged society, we compensate for the decline in human perception, judgment and maneuvering ability, and focus more on the study of advancing a human-machine interaction system which can help to support humans, depending on their conditions and abilities.



### X-ray, Optical and Infrared Astrophysics Unit

**Exploring the Birth and Death of Stars — In collaboration with the Institute of Space and Astronautical Science of JAXA and National Astronomical Observatory of Japan**

By observing X-rays or optical/infrared radiation from various celestial objects, the unit investigates astrophysics in the life of stars from the birth of stars and planets to the remnants such as white dwarfs, neutron stars or black holes.

## Industry-University Collaboration

### Advanced Institute of Innovative Technology

As an interface of the Industry-University-Government-Finance Collaboration in the local area, the Advanced Institute of Innovative Technology was established in April 2016.

This workshop facility provides human networks that go beyond barriers among different business fields and enhance connections between Industry-University-Government-Finance. Also, the Advanced Industry Incubation Facility is a place to systematically implement R&D, trial manufacture, productization and commercialization to nurture human resources for local industries, and to contribute to the development of local societies by creating new industries and standardizing.

### Healthcare Innovation Research Unit

Our research unit is engaged in research and development of artificial intelligence (AI) and Internet of things (IoT) technologies. It aims to support remote medical care and healthcare, non-invasive biometric data measurement, human-machine interface (HMI) and brain-machine interface (BMI) technologies for human-centered equipment designs, and virtual reality (VR) and augmented reality (AR) technologies, and thereby contribute to advancements in the field of advanced healthcare.





# Undergraduate Programs

## Faculty of Liberal Arts

<http://arts.kyy.saitama-u.ac.jp/>

*Educates students to be aware of and understand diverse cultures and values while acquiring a profound insight into humanity. Trains individuals to be able to identify and solve problems that contemporary cultures and societies face.*

### Global Governance Studies

International Relations  
International Development

### Sociology and Field Studies

Sociology  
Field Studies (Anthropology, Geography)

### Philosophy and Historical Studies

Philosophy  
Art Theory and History  
History and Archaeology



### European and American Studies

European Culture  
American Studies

### Japanese and Asian Studies

Japanese Culture  
East Asian Culture

## Faculty of Economics

<http://www.eco.saitama-u.ac.jp/en/>

*Offers students opportunities to nurture independent thinking and leadership skills by providing a thorough basis of social science through the course system based on four majors as shown below. The system equips students with skills for their future professional career, including skills necessary in a globalized environment, so that they can finally “find problems themselves, analyze them themselves, and solve them themselves” — the goal of education at the Faculty.*

### Majors

Economic Analysis  
Global Business and Social Development  
Business Innovation  
Law and Public Policy



## Faculty of Education

<http://www.saitama-u.ac.jp/edu/>

*Trains students to become competent, highly qualified teachers who can cope with the diverse educational needs of a changing society. Provides students with both theoretical and practical education to serve as educational leaders in schools and communities.*

### Training Course for School Teachers

#### Programs

Elementary School Education  
Lower Secondary School Education  
Early Childhood Education and Care  
Special Needs Education

### Training Course for School Health Nursing Teachers



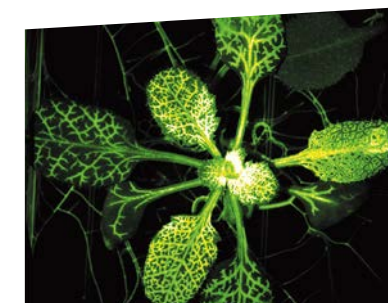
## Faculty of Science

<http://www.saitama-u.ac.jp/sci/>

*Each student belongs to one of five departments (mathematics, physics, chemistry, biochemistry and molecular biology, regulatory biology) and follows the curriculum of each department. The students are encouraged to acquire the required abilities and strive to cultivate the qualities which recognize the importance of fundamental theory that is not biased to a specific application and practical use. Students who complete the curriculum acquire bachelor degrees (science) and many of them enter the master's program after that.*

### Departments

Mathematics  
Physics  
Chemistry  
Biochemistry and Molecular Biology  
Regulatory Biology



Do plants feel pain? Glutamate triggers long-distance rapid calcium signaling in *Arabidopsis* leaves. (Prof. M. Toyota)



SU students contributed to the discovery of the new element of atomic number 113, nihonium.

## Faculty of Engineering

<http://www.saitama-u.ac.jp/engineering/>

*Students specialize in subjects from basic to advanced courses in each of the departments in addition to wide-ranged subjects of natural, cultural, and social sciences. The students acquire theoretical and technical competence as engineers and researchers in their specialized fields in the undergraduate programs. The Graduate School of Science and Engineering helps students to be advanced engineers and researchers that contribute to the development of a sustainable society.*

### Departments

Mechanical Engineering  
Electrical Engineering, Electronics, and Applied Physics  
Information and Computer Sciences  
Applied Chemistry  
Civil and Environmental Engineering





# Graduate Programs

## Graduate School of Humanities and Social Sciences

<http://hss.saitama-u.ac.jp/english/>

*Supervises comprehensive research in the cultural and social sciences and educates students to meet the challenges of a globalizing, information-intensive world.*

*Fosters the ability of students to adapt to a new knowledge-oriented society, take leadership roles in the international community and contribute to the recovery and revitalization of the economy.*

### Master's Program

#### Departments

Social and Cultural Studies  
Japanese and Asian Studies  
Economics and Management Studies

### Doctoral Program

#### Departments

Japanese and Asian Cultures  
Economics and Management Studies

Department of Japanese and Asian Studies offers the "Master of Arts (MA) Program in Japanese and Asian Culture" and the "Master of Economics (MEcon) Program in Japanese and Asian Economy and Management", wherein students can conduct all classwork and write a master's thesis in English.



## Graduate School of Education

<http://www.saitama-u.ac.jp/edu/grad/>

*Cultivates professionals equipped with sufficient capabilities and leadership to enrich Japanese education in the globalizing world. Provides students with both theoretical and practical education to serve as educational top leaders in schools and communities.*

### Master's Program

#### The Course for Teaching Professionals

Advanced Development Program  
in General Education  
Advanced Development Program  
in Subject Education

### Doctoral Program

The United Graduate School of Education  
Tokyo Gakuhei University



## Graduate School of Science and Engineering

<http://www.saitama-u.ac.jp/rikogaku/>

*The Graduate School of Science and Engineering promotes both education and research activities in cooperation with relevant organizations such as RIKEN, the National Institute for Materials Science, the National Institute of Advanced Industrial Science and Technology, and other scientific organizations. The program provides 13 courses in the master's program and 6 courses in the doctoral program. The students study in their specialized respective field in every each course, and can acquire the basics and a large range of practical applications to their scientific focus. When the students complete their master's degree in two years or doctoral degree in three years consecutively, they can acquire a master's degree, and then a doctorate, respectively. More than 1,000 students have already defended their theses and have earned their doctoral degrees.*

### Master's Program

#### Life Science

Courses – Biochemistry and Molecular Biology  
– Regulatory Biology

#### Physics and Functional Materials Science

Courses – Physics  
– Functional Materials Science

#### Chemistry

Courses – Chemistry  
– Applied Chemistry

#### Mathematics, Electronics and Informatics

Courses – Mathematics  
– Electrical and Electronic Systems  
– Information and Computer Sciences

#### Mechanical Engineering and Science

Courses – Mechanical Engineering  
– Mechano-Robotics

#### Environmental Science and Civil Engineering

– International Program on  
Civil and Environmental Engineering  
– Course in Environmental Science and Technology

### Doctoral Program

#### Science and Engineering

Courses – Life Science  
– Materials Science  
– Mathematics, Electronics and Informatics  
– Mechanical Engineering and Science  
– Environmental Science and Infrastructure Engineering  
– Joint Frontier Studies



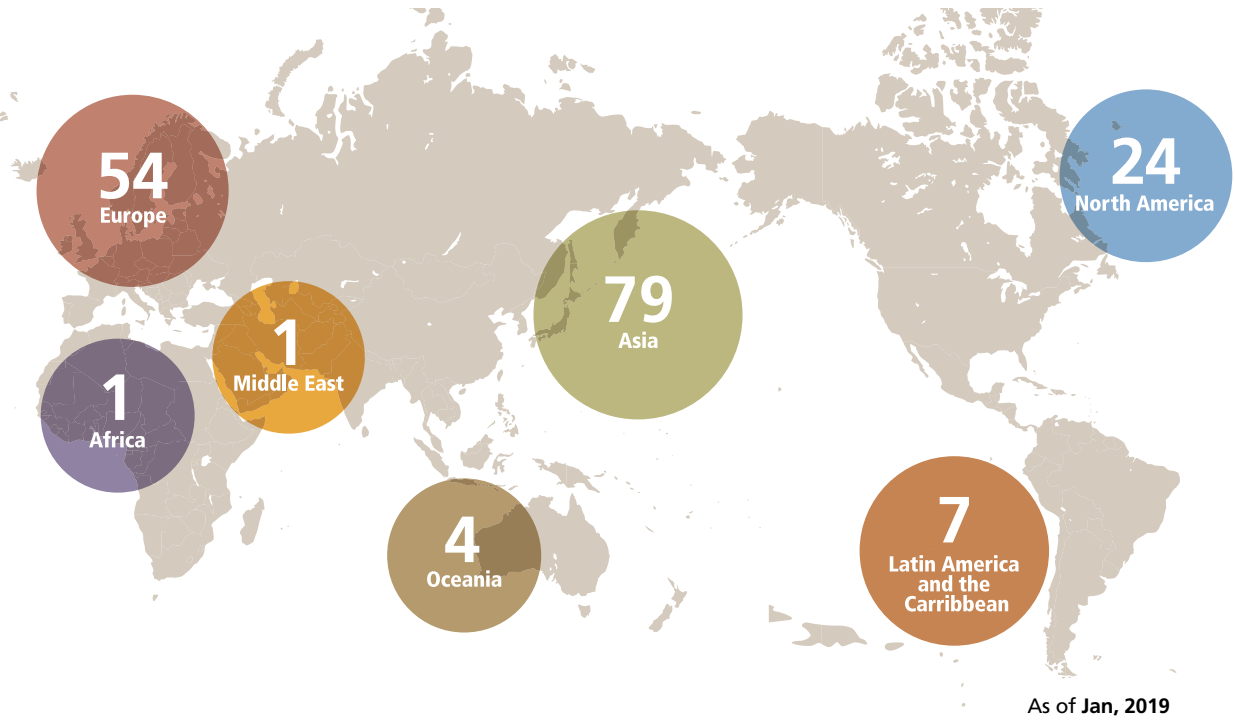
Launch of Hitomi satellite, of which payload instruments SU developed with JAXA and NASA.



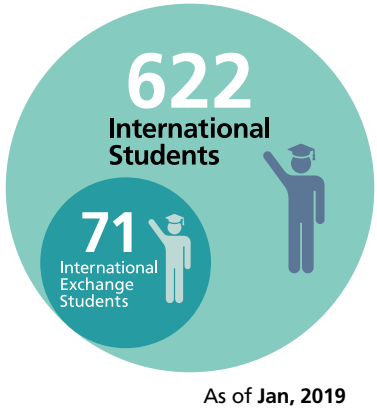
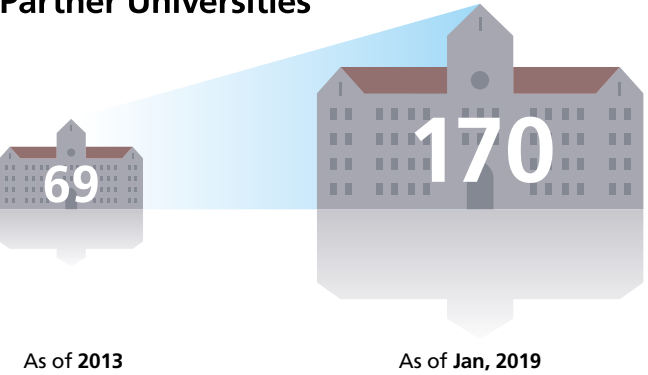
# Global Connections

SU strives to be an international academic gateway, welcoming students and researchers from around the world not just as guests, but as valued colleagues and collaborators. Researchers at SU stand at the pinnacle of their field in many disciplines, and the university has an active program of international partnerships in both research and learning.

## Overseas Partner Universities



## Partner Universities



## Degree Programs Offered in English (As of Jan, 2019)

### Graduate School of Humanities and Social Sciences

- Master of Arts (MA) Program in Japanese and Asian Culture
- Master of Economics (MEcon) Program in Japanese and Asian Economy and Management

### Graduate School of Science and Engineering (Scholarship Programs)

- Civil and Environmental Engineering
- Highly-skilled Professionals for the Social Infrastructure Supported by Independent Power Supply System
- Highly-skilled Professionals for Development of Green & Sustainable Chemical Technologies Applied to Asian Poverty Areas

## Non-Degree Programs

### Exchange Program

The exchange program is designed for students from our partner universities who wish to spend two terms (six months) or four terms (one year) at SU. Applicants must be nominated by their home universities.

Exchange students may take the Intensive Japanese Language Course and/or regular courses.

### Summer Program

Intensive Japanese Studies Program provides international undergraduate students who have an interest in Japanese culture, a good opportunity to study various aspects of Japan-traditional, modern and contemporary. Students can choose from weekday courses which may be of their interests as well as the chance to go on weekend excursions in and around the Saitama/Tokyo area.

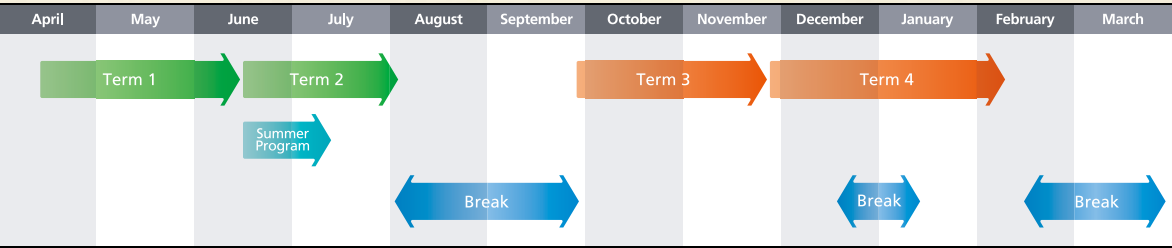
## Intensive Japanese Language Course

The Japanese Language Education Center offers the Intensive Japanese Language Course for international students. The program features first-class instructors and the latest pedagogies. The full range of skill areas is covered, from reading/writing to everyday communicative Japanese.

Class	S	E	D	C	B	A
Level	Advanced	Upper Intermediate -Advanced	Intermediate		Elementary	
Goals	Superior	JLPT N1	JLPT N2	JLPT N3	JLPT N4	JLPT N5

\*JLPT: Japanese Language Proficiency Test

## Academic Calendar



Spring Semester: Term 1 & Term 2 / Fall Semester: Term 3 & Term 4



# Student Life

## International House

I-House is located within easy walking distance of classrooms and campus services, and offers new arrivals a ready-made social world where they can adjust to life in Japan in a supportive and convenient environment. In a new dormitory open in fall 2019, Japanese students and international students live together in units.

## International Students Advising & Counseling Room

The International Students Advising & Counseling Room is to serve international students who may have worries, concerns, difficulties, or complaints while studying on campus. Students may come and seek help whenever they face problems, no matter what it is. Students' privacy is our first priority, and everything asked and said will be kept strictly confidential.

## University Library

The library provides a student-centered learning environment and access to a wide range of information resources to support students and staff in all areas of their study and research. The works of and a message from the 2015 Nobel Prize winner in Physics, Prof. Takaaki Kajita, an alumnus of SU, are on display in the library.

## Student Clubs

International students at SU are strongly encouraged to get involved in extracurricular activities. Joining one of the clubs is an ideal way to indulge their interests at the same time as making friends with local students outside regular classes. Popular clubs for international students include Aikido, Judo, and Sado-Japanese Traditional Tea Ceremony.

# Location

SU is situated in the southern part of Saitama Prefecture, within the Greater Tokyo area, approximately an hour from JR Tokyo station. Saitama is known for its well-developed industries and cultures, and well-balanced urban and natural environment.

