


# Saitama University

## Graduate School of Science and Engineering

Address: 255 Shimo-Okubo, Sakura-ku, Saitama-shi, Saitama, 338-8570 JAPAN

	Programme Name
	International Graduate Programme on Civil and Environmental Engineering
	Degree
	Master of Engineering
	Credits and years required to graduate
	30 Credits, 2 Years
	Prerequisite
	Undergraduate level academic knowledge of Civil Engineering
	Math Exam
	Required
	Acceptance Quota
	2 students per batch

### Web Links

- University  
<http://en.saitama-u.ac.jp/>
- Graduate School  
<http://www.saitama-u.ac.jp/rikogaku/en.html>
- Programme  
<http://intl.civil.saitama-u.ac.jp/>
- List of Courses  
<http://intl.civil.saitama-u.ac.jp/list-of-courses>
- International Student Support  
<http://intl.civil.saitama-u.ac.jp/living-in-japan>
- Housing  
<http://en.saitama-u.ac.jp/studentlife/accommodation-for-international-students-2/>

### Features of the University

Saitama University is a reputable national university for higher education and research in Japan. The university consists of five faculties: Faculty of Liberal Arts, Faculty of Education, Faculty of Economics, Faculty of Science, and Faculty of Engineering. There are three graduate schools in the university: Graduate School of Humanities and Social Science, Graduate School of Education, and Graduate School of Science and Engineering. Total number of full-time students as of May 2021 was 8,311 students, among which the number of undergraduate

students was 6,827 and the number of graduate students (master's and doctoral courses) was 1,484. Saitama University is located in a quiet suburban area of Saitama City, the capital of Saitama Prefecture. Saitama City is located 30 kilometres north of metropolitan Tokyo. Access to central Tokyo takes about an hour from the university by East Japan Railway and is very convenient. This enables residents of the university to access many libraries and research facilities in the Tokyo area.

### Features of the Graduate School

Building on the basic education provided at the undergraduate level in respective fields of specialization, the master's programme gives students an advanced specialized education that aims to impart broadly related knowledge that not only focuses on each field of specialization, but spans the spectrum from basic to applied knowledge. This approach produces graduates who are equipped with the foundations for growing into creative, international-level researchers and advanced, specialized professionals who will be able to play a leading role in today's international knowledge-oriented society.

### Feature of the Programme

The International Graduate Programme on Civil and Environmental Engineering offers Master Engineering Degrees in a broad range of civil and environmental engineering fields. To qualify for the conferment of a Master of

Engineering Degree, students must satisfy the following requirements:

- The standard period of full-time attendance to fulfil the requirement of the degree is two years. In exceptional cases, the degree may be conferred after studying for one year, as the minimum period, having fulfilled other requirements.
- A minimum of 30 credits beyond the bachelor's degree is required, including 12 credits awarded for a thesis.
- A thesis based on the research carried out under the supervision of a thesis adviser must be completed and satisfactorily presented.

Our faculty members are engaged in a wide range of research in the field of civil and environmental engineering. Major research topics include, but are not limited to, geotechnology for disaster prevention, earthquake engineering and earthquake disaster mitigation engineering, structures and mechanics, concrete structures, strengthening and rehabilitation of civil infrastructures, planning and design of transportation infrastructures, environmental engineering, and ecological engineering.

## Faculty

List of faculty members who can take JDS fellows under their supervision is as follows:

<b>Professors</b>		<b>Research Fields</b>	
Jiro Kuwano	Geotechnical Engineering		
Ken Kawamoto	Geoenvironmental Engineering		
Masahiko Osada	Rock Engineering, Earth Science		
Taro Uchimura	Geotechnical Engineering, Geohazards Prevention Engineering		
Masato Saitoh	Earthquake Engineering, Earthquake Disaster Prevention		
Takeshi Maki	Concrete Engineering, Bridge Engineering, Construction Materials		
Yoshiaki Okui	Structural Engineering, Composite Structures, Bridge Engineering		
Yasunao Matsumoto	Structural Engineering, Environmental Vibration		
Norio Takana	River Engineering, Disaster Prevention, Ecology and Environmental Preservation		
Takeshi Fujino	Environmental Studies, Environmental Engineering		
Hisashi Kubota	Urban Transportation Planning		
<b>Associate Professors</b>		<b>Assistant Professors</b>	
Chiaki Oguchi	Ji Dang	Yota Togashi	Yoshiya Igarashi
Hidenori Mogi	Junji Yagisawa	Chandra Shekhar Goit	
Hisashi Taniyama	Aya Kojima	Yao Luan	
Shingo Asamoto	Kiyotaka Fukahori	Senavirathna M.D.H	

## List of offered courses

List of courses that can be taken by JDS fellows is as follows:

- Advanced Analysis of Vibrations and Waves
- Advanced Course in Technical English II
- Advanced Course in Transportation System
- Advanced Geoenvironmental Engineering
- Concrete and Advanced Cement Based Materials
- Advanced Lectures on Strong Motion
- Design and Maintenance of Concrete Structures
- Advanced Theory on Earthquake Engineering
- AI and Data Science for Civil Engineering
- Structural Design and Analysis
- Construction Management
- Numerical Analysis for Civil Infrastructures
- Earth Science for Civil and Environmental Engineers
- Geotechnical Earthquake Engineering
- Rock Weathering and Geomorphological Processes
- Advanced Course in Landscape Planning
- Mechanics of Geomaterials
- Mechanics of Geostrucures
- Numerical Analysis on Hydraulic Environment
- Practical Numerical Simulation on Hydraulic Environment
- Advanced Mathematics for Planning
- Structural Dynamics and Control