

**INTERNATIONAL GRADUATE PROGRAM ON  
CIVIL AND ENVIRONMENTAL ENGINEERING**

**2022**

As a part of the International Graduate Program at Saitama University, the Department of Civil and Environmental Engineering (DCEE) offers highly qualified students the opportunity to pursue graduate studies and conduct research in the field of Civil and Environmental Engineering leading to a Master of Engineering Degree or a Doctor of Engineering/Philosophy Degree. The program starts in either April or September and requires a standard two-year residency for the completion of a master's degree and three years for a doctoral degree. Class instructions, research supervision and guidance are conducted in English, as well as dissertations, reports, examinations and presentations by students.

### **1. QUALIFICATIONS**

An applicant must fulfill the following qualifications:

- have a master's degree with superior academic record or equivalent research experience for applying to the doctoral degree program; a bachelor's degree with superior academic record or equivalent professional experience for applying to the master's degree program.
- have an indicative minimum score of English language proficiency test: 80 for TOEFL (IBT) or 5.5 for IELTS or equivalent.
- be in good mental and physical health.

Additional qualifications are described below separately by the category of applicant:

#### **(A) An Applicant who is Applying for Admission under Scholarship**

DCEE is currently administering three scholarship programs: the Monbukagakusho<sup>1</sup> Scholarship, ADB-JSP<sup>2</sup>, and JJ/WB GSP<sup>3</sup>. Details of these scholarships and requirements are provided in the following sections.

<sup>1</sup> Ministry of Education, Culture, Sports, Science and Technology of the Government of Japan

<sup>2</sup> Asian Development Bank-Japan Scholarship Program

<sup>3</sup> Joint Japan/World Bank Graduate Scholarship Program

(A-1) An applicant for the doctoral degree program with the Monbukagakusho Scholarship must:

- be a national of a country where the Japanese Government Scholarship is offered.
- be under 35 years of age as of April 1, 2022. (i.e. born on or after April 2, 1987)

If awarded the scholarship, the applicant must be able to come to Saitama University at the end of September, 2022

An applicant who was an awardee of the Japanese Government Scholarship during the last three years is not eligible for this scholarship program.

(A-2) An applicant for the master's degree program with the ADB-JSP Scholarship must:

- be a national of an ADB borrowing member and Japanese ODA scholarship eligible country which is listed in the ADB-JSP website page.: <https://www.adb.org/work-with-us/careers/japan-scholarship-program>
- have acquired at least 2 years of full-time professional working experience after a university degree at the time of application.
- be not above 35 years old at the time of application.
- agree to return to his/her home country after the completion of studies under the program.
- not be an Executive Director, an Alternate Director, management and staff of ADB, consultants, and close relatives of the aforementioned.
- not be a staff of ADB-JSP designated institutions.
- be living or working in his/her home country.
- not be enrolled in graduate degree programs.

(A-3) An applicant for the master's degree program with the JJ/WB GSP Scholarship must:

- be a national of a World Bank member developing country.
- not hold dual citizenship of any developed country.
- be in good health.
- hold a bachelor's (or equivalent) degree earned at least 3 years prior to the application deadline date.
- have 3 years or more of recent development-related experience after earning a bachelor's (or equivalent) degree.
- be employed in development-related work in a paid full-time position at the time of submitting the scholarship application. Have at least 3 years of paid development-related employment since earning a Bachelor's degree (or equivalent university degree) and acquired within the past 6 years from the date of the Application Deadline.

- not be an Executive Director, his/her alternate, and/ or staff of any type of appointment of the World Bank Group or a close relative of the aforementioned by blood or adoption with the term “close relative” defined as: Mother, Father, Sister, Half-sister, Brother, Half-brother, Son, Daughter, Aunt, Uncle, Niece, or Nephew.
- This application is for obtaining unconditional acceptance from the university for the application to World Bank.
- For more details, please check World Bank scholarship website page: <https://www.worldbank.org/en/programs/scholarships#3>

**(B) An Applicant who is Applying for Admission Only**

Those who will be self-supported or have secured scholarship/financial support from sources other than DCEE administered scholarships must provide evidence that he/she is financially able to bear the expenses while pursuing their degree.

**(C) An Applicant who is Residing in Japan at the Time of Application**

They should enroll under the regular master’s/doctoral program of the Graduate School of Science and Engineering, of which the admission procedures are different from the International Graduate Program on Civil and Environmental Engineering. However, international students admitted through this process will be entitled to the benefits described above as the constituencies of the International Graduate Program on Civil and Environmental Engineering. Such candidates, who seek admission under the regular program, are advised to contact the Graduate School directly for further details. Please note that the deadlines for the regular program are different from those listed in this document.

**2. SELECTION CRITERIA AND PROCEDURE**

Evaluation of applications will be based on the candidate’s scholastic ability and research potential assessed from previous credentials, recommendation letters, and essays on specific topics. The list of candidates nominated by the DCEE are sent to the Ministry, ADB, and World Bank, respectively, for their final approval. During the selection process, short-listed candidates may be contacted for an internet-based interview and/or other appropriate means. It is not possible to respond to telephone or mail requests regarding the status of application until the selection is finalized.

**3. SCHEDULE FOR APPLICATIONS AND ADMISSION**

The schedule for the application and admission process is as follows:

(A-1) Doctoral applicants who are seeking admission with Monbukagakusho scholarship

November 21, 2021	deadline for receiving applications
December 10, 2021	notification of results to short-listed candidates
December 13-24, 2021	internet-based interviews for short-listed candidates
March 15, 2022	notification of results to applicants
September 26, 2022(tentative)	Graduate program begins

(A-2) Master’s applicants who are seeking admission with ADB-JSP scholarship

September 30, 2021	deadline for receiving applications
March 15, 2022	notification of results to applicants
April 11, 2022(tentative)	Graduate program begins

(A-3) Master’s applicants who are seeking admission with JJ/WB GSP scholarship

September 30, 2021	deadline for receiving applications
March 15, 2022	notification of results to applicants
September 26, 2022(tentative)	Graduate program begins

(B) Applicants who are only seeking admission, and are self-funded or have already obtained other scholarships/financial assistance

November 1, 2021	deadline for receiving applications for the April (2022) intake
December 20, 2021	notification of results to applicants for the April (2022) intake
April 11, 2022	Graduate program begins
April 15, 2022	deadline for receiving applications for the October (2022) intake
June 20, 2022	notification of results to applicants for the October (2022) intake
September 26, 2022(tentative)	Graduate program begins

#### 4. REQUIRED DOCUMENTS

- a) Completed application form (Form A)
- b) Original or certified copies of official academic transcripts stating the grades obtained during previous undergraduate and graduate programs.
- c) Certified copy of the certificate of graduation (undergraduate and/or graduate programs)
- d) Two sealed letters of recommendation (Form B)
- e) Essays on selected topics (Form C)
- f) A concise resume (Form D)
- g) Certificate of English proficiency (an official score of TOEFL or IELTS or equivalent)  
Department institutional code for TOEFL: 7314
- h) Certificate of Employment and Compensation issued by the company (with company's letterhead/logo and signed by authorize signatory). (ADB-JSP only)  
The certificate must state the following details:
  - a. Start date of employment
  - b. End date of employment  
Example: 1. January 2019 to December 2020  
2. January 2019 to Present (if currently working/connected to the company)
  - c. Monthly or Annual Income  
Notes:
    - if in local currency, fill-out and submit the income conversion to USD form (attached in the last page) provided by ADB-JSP
    - if the present job is less than 2 years, submit also the certificate of employment from the previous company.
- i) Certification of family income issued by the company with company's letter head/logo (ADB-JSP only)
  - a. Parent's annual/monthly income if applicant is single
  - b. Spouse's annual/monthly income if applicant is married  
Note: if in local currency, fill-out and submit the income conversation to USD form (attached in the last page (P.5) ) provided by ADB-JSP
  - c. If status is unemployed, retired or deceased, an authenticated supporting document must be submitted.  
(e.g. issued by the local government)
- j) Duly accomplished ADB-JSP Information Sheet (ADB-JSP only)  
ADB-JSP Information Sheet is available on the ADB-JSP website page.  
<https://www.adb.org/site/careers/japan-scholarship-program/frequently-asked-questions>
- k) Evidence such as copy of bank account activity statement/ salary payment statement that he/she is financially able to bear the expenses while pursuing their degree (applicants seeking for admission only)

#### 5. TUITION FEES AND LIVING EXPENSES

The tuition and admission fees for the 2022-2023 session, which are the same for the master's and doctoral programs, and the estimated living expenses are:

- Tuition Fee: 535,800 yen per year
- Admission Fee: 282,000 yen upon admission
- Cost of Living: about 110,000 to 140,000 yen per month

#### 6. SCHOLARSHIP AND FINANCIAL ASSISTANCE

The program admits about 15 to 20 students to the master's course and 7 to 10 to the doctoral course. Scholarships offered by the Monbukagakusho, ADB-JSP and JJ/WB GSP are available to students who have demonstrated academic excellence. Each year scholarships are granted to about seven new doctoral students and to about fifteen new master's students.

All scholarships cover tuition and academic fees, a monthly allowance ranging from 147,000 to 148,000 yen and round-trip economic airfare from the awardee's home country. The Monbukagakusho Scholarship is granted for up to three years and master's degree scholarships are granted for up to two years based on the satisfactory performance of the student. Neither scholarships are extendable beyond three and two years, respectively. The master's degree scholarships require the awardees to return to their home countries upon completion of study to contribute to their country's development.

## 7. FACULTY MEMBERS AND RESEARCH FIELDS

Faculty members who are affiliated with DCEE are listed below. Their field of research are related to civil and environmental engineering including geotechnology for disaster prevention, earthquake and design of transportation infrastructure, strengthening and rehabilitation of civil infrastructures, environmental engineering, and ecological engineering. Detailed information on areas of research can be obtained from the program's website: <http://intl.civil.saitama-u.ac.jp/research>.

### Professors

FUJINO, Takeshi, Ph. D.	Environmental studies, Environmental engineering
KAWAMOTO, Ken, Ph. D. (retirement in 2024)	Geoenvironmental engineering, Solid waste management in developing countries
KUBOTA, Hisashi, D. Eng. (retirement in 2024)	Planning and design of streets in local areas, Citizen involvement in local planning, Traffic-impact study in large-scale facilities
KUWANO, Jiro, D. Eng.	Geotechnical engineering, Geotechnical earthquake engineering
MAKI, Takeshi, D. Eng.	Concrete Engineering
MATSUMOTO, Yasunao, Ph. D.	Structural dynamics, Human response to vibration and noise
OKUI, Yoshiaki, D. Eng.	Applied mechanics, Bridge engineering, Micromechanics and fracture mechanics
OSADA, Masahiko, D. Eng.	Rock mechanics, Applied geology
SAITOH, Masato, D. Eng.	Earthquake engineering, Seismic design of structures
TANAKA, Norio, D. Eng.	River engineering, River environmental engineering
UCHIMURA, Taro, Ph. D.	Geotechnical engineering, Geohazards prevention engineering

### Associate Professors

ASAMOTO, Shingo, D. Eng.	Concrete engineering
DANG, Ji, D. Eng.	Structural mechanics and dynamics
FUKAHORI, Kiyotaka, Ph. D.	Landscape engineering
KOJIMA, Aya, Ph. D.	Transportation planning
MOGI, Hidenori, D. Eng.	Earthquake engineering, Earthquake ground motion
OGUCHI, Chiaki, D. Sci.	Geosphere material sciences, Rock weathering and geomorphology
TANIYAMA, Hisashi, D.Eng.	Earthquake engineering and seismology
YAGISAWA, Junji, Ph. D.	River engineering

### Assistant Professors

GOIT, Chandra S, Ph.D.	Earthquake engineering
IGARASHI, Yoshiya, Ph.D	Environmental and Hydraulic Engineering
KATO Teppei, Ph. D.	Transportation planning
LUAN, Yao, Ph. D.	Concrete engineering
MALIK, Adnan Anwar, Ph. D.	Geotechnical engineering
SENAVIRATHNA M.D.H. Jayasanka D.Eng.	Abiotic stress responses of plants and cyanobacteria
TOGASHI, Yota, Ph. D.	Rock mechanics and tunnel engineering

## 8. CORRESPONDENCE

All correspondence and inquiries should be addressed to:

Foreign Student Office (FSO)  
Department of Civil and Environmental Engineering  
Saitama University  
255 Shimo-Okubo, Sakura-ku, Saitama-shi  
Saitama, Japan 338-8570  
Phone / Fax: +81-48-858-3555  
Email: [fso@sun.civil.saitama-u.ac.jp](mailto:fso@sun.civil.saitama-u.ac.jp)  
Web: <http://intl.civil.saitama-u.ac.jp>  
Facebook: <https://www.facebook.com/SUnivFSO>

**Applicant's Income Information**

Applicant's name: \_\_\_\_\_  
Applicant's Annual Gross Income: \_\_\_\_\_ ( : currency unit) .....(1)  
Details if any:

Exchange Rate: 1 USD = \_\_\_\_\_ ( : currency unit) .....(2)  
Applicant's Annual Gross Income in USD: \_\_\_\_\_ (USD) .....(1) ÷ (2)

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**If the applicant is single,**

Applicant's father's name: \_\_\_\_\_  
His Annual Gross Income: \_\_\_\_\_ ( : currency unit) .....(3)  
Details if any.

Applicant's mother's name: \_\_\_\_\_  
Her Annual Gross Income: \_\_\_\_\_ ( : currency unit) .....(4)  
Details if any.

Their Total Gross Income in USD: \_\_\_\_\_ (USD) ..... {(3)+(4)} ÷ (2)

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**If the applicant is married,**

Applicant's spouse's name: \_\_\_\_\_  
His/her Annual Gross Income: \_\_\_\_\_ ( : currency unit) .....(5)  
Details if any.

His/her Gross Income in USD: \_\_\_\_\_ (USD) .....(5) ÷ (2)