

Osaka University, Graduate School of Engineering Doctoral Degree Programs Conducted in English

[Enrollment in April 2023]

Note:

This quota advertised in this guideline is NOT for internal application by those who expect to complete the corresponding Master's Degree Programs Conducted in English of GSE-OU in March 31, 2023. Such applicants shall follow the other guideline for internal application.



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https://www.eng.osaka-u.ac.jp/en/entrance/f_admissions/

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Biotechnology Global Human Resource Development Program for Industry-University-Co-Creation

1. Program Summary

The aim of this program is to expose young scientists to state-of-the-art research techniques and in-depth knowledge of advanced biotechnology, chemistry, physics and bioengineering, so that they may harness the potential of biotechnology applicable to Japanese industries as well as academia.

2. Requirements for the Completion of the Course and Obtaining the Degree

- (1) Requirements for completion of the course: completion of Seminar on Frontier Research Proposal to acquire two compulsory credits; completion of Courses of Frontier Biotechnology Exercises and Frontier Biotechnology Seminars to acquire a minimum of four credits; completion of Special Research; successful defense of doctoral dissertation and passing of the final examination of the program. Improving Japanese skill is also required during the course.
- (2) Degree: Doctor of Philosophy in Engineering

3. Admission Quota

A few

4. Program Website

https://www-bio.eng.osaka-u.ac.jp/gh_resour_prog/index.html

International Priority Graduate Program on Applied and Engineering Physics

1. Program Summary

The objective of this program is to equip new generation of young scientists with fundamental knowledge and cutting-edge research skills in Applied and Engineering Physics. By elucidating the fundamental physical, chemical and biological properties of materials, and designing materials with novel functions, we open a new way to the development of nanotechnology, photon technology, and biomedical engineering. We also aim to develop and produce international collaboration through the creation of an intellectual human resources network. Furthermore, by utilizing interdisciplinary organizations and international networks, we contribute to other socially important fields such as new industries, environment, and energy problems.

2. Requirements for the Completion of the Course and Obtaining the Degree

- (1) Requirements for completion of the course:
 - ① earn no less than six total academic credits
 - ② completion of the Special Research
 - ③ defense the doctoral dissertation and passing the final examination of the course
- (2) Degree: Doctor of Philosophy in Engineering

3. Admission Quota

A few

4. Program Website

http://www.pstap.eng.osaka-u.ac.jp/index_e.html

5. Prospective Academic supervisors

Applicants should contact prospective academic supervisors early enough to discuss the details of your research plan and application procedures. In the application document, state your prospective supervisor.

International Program of Mechanical Engineering

1. Program Summary

The aim of this program is to educate students to become scientists and engineers of the new generation with basic knowledge and state-of-the-art research skills necessary for mechanical engineering.

2. Requirements for the Completion of the Course and Obtaining the Degree

- (1) Requirements for completion of the program: Completion of lectures and seminars corresponding to no less than four credits; successful defense of the doctoral dissertation; and passing of the final examination of the program.
- (2) Degree: Doctor of Philosophy in Engineering

3. Admission Quota

A few

4. Program Website

<http://www.mech.eng.osaka-u.ac.jp/index-en.php>

International Program of Materials and Manufacturing Science

1. Program Summary

The aim of this program is to educate international students to become advanced scientists or engineers of the new generation with basic knowledge and state-of-the-art research skills related to materials and manufacturing science. This program fosters advanced engineers and scientists who have a sophisticated perception of the engineering flow, from materials development to product manufacture.

2. Requirements for the Completion of Course and Obtaining the Degree

(1) Requirements for completion of the course: Completion of lectures and seminars corresponding to no less than 4 credits; completion of Special Research; submission and defense of the doctoral thesis; and passing the final examination of the course.

(2) Degree: Doctor of Philosophy in Engineering

3. Admission Quota

A few

4. Program Website

<http://www.mms.eng.osaka-u.ac.jp/eng/>

International Program of Sustainable Energy and Environmental Engineering

1. Program Summary

The aim of this program is to educate international students to become scientists/engineers of the new generation with basic knowledge and cutting-edge research skills related to sustainability of global/local environment and energy and resource systems.

2. Requirements for the Completion of the Course and Obtaining the Degree

(1) Requirements: Completion of lectures and seminars corresponding to no less than 4 academic credits, completion of Special Research, submission and defense of the doctoral thesis, and passing the final examination of the course.

(2) Degree: Doctor of Philosophy in Engineering

3. Admission Quota

A few

4. Program Website

<http://www.see.eng.osaka-u.ac.jp/en/exam>

■ Procedures and General Descriptions

1. Application Requirements

(The following items are common to the all programs.)

- (1) Citizenship and residence status: This entrance examination is for those with the “Student” residence status. However, those who will be changing their residence status to “Student” or are expected to get the “Student” visa prior to enrollment may apply.
*Except the following program, those with Japanese nationality are eligible to apply for the examination as well.
 - **International Program of Sustainable Energy and Environmental Engineering**
- (2) Educational background: Applicants must fulfill one of the following qualifications:
 - ① The applicant has master’s degree or a professional degree by March 31, 2023, from a Japanese university.
 - ② The applicant has completed, or is expected to complete a course of study recognized as equivalent or superior to the master course at Graduate School of Engineering, Osaka University by March 31, 2023.
 - ③ The applicant is no younger than 24 years of age as of March 31, 2023, and is recognized as possessing academic abilities equivalent to those of university graduates, by passing “the Preliminary Examination of Applicant’s Qualifications” conducted by Osaka University (See Note).
- (3) Language ability: Applicants must have a good command of English. Those whose formal education has been conducted in a language other than English must submit a certificate of English proficiency.
- (4) Health: Applicants must be mentally and physically healthy enough to pursue study at university.

Note:

Applicants who fall under (2)-③ must take the “Preliminary Examination of Applicant’s Qualification” in advance. Such applicants must consult the Admission Section at the Student Affairs Division, by June 27, 2022 for the Summer Exam or September 16, 2022 for the Winter Exam. The Admission Section will announce details concerning the documents required for this procedure. Applicants will be informed of the results as soon as they are available.

2. Application Procedures

Note:

To start application process, every applicant MUST consult with a suitable supervisor and obtain his/her permission to apply. Please specify the name of supervisor you have contacted in the application form.
[Laboratories at the GSE] https://www.eng.osaka-u.ac.jp/department/?post_type=en

(1) Application Period

- ① Summer Exam . . . **July 4 to July 15, 2022 3:00 p.m. (Japan time)**
- ② Winter Exam . . . **October 24 to October 28, 2022 3:00 p.m. (Japan time)**

The application materials must be submitted or be sent to the Admission Section by post or by hand, to be reached strictly no later than the last day of application period above.

The entrance examination will be held twice, Summer and Winter. Applicants may apply for either one.

※ The following program does not conduct the Winter Exam.

- **International Program of Sustainable Energy and Environmental Engineering**

(2) Address for Submissions

Admission Section, Student Affairs Division,
Graduate School of Engineering, Osaka University
U1M bldg., 1F, 2 - 1, Yamadaoka, Suita,
Osaka 565-0871, JAPAN
Tel: +81-6-6879-7228

(3) Application Materials

Materials	Details
① Application Form	<ul style="list-style-type: none"> • Fill out the prescribed “Application for Admission” form. • A photograph (4cm×3cm) should be affixed to the first page. It should be taken within the last 3 months and should show the upper part of the body, without hat, in a frontal pose.
② Admission Ticket for an Examination and Photo Card (Only for applicants who already reside in Japan)	<ul style="list-style-type: none"> • Applicant’s name must be written on the prescribed form. • Two photographs (4cm×3cm) should be affixed. It should be taken within the last 3 months and should show the upper part of the body, without hat, in a frontal pose.
③ Statement of Purpose	<ul style="list-style-type: none"> • A Statement of Purpose of the applicant (no more than double-spaced, typed pages on A4 paper), stating their research proposal
④ Master’s diploma or official (expected) certificate	<ul style="list-style-type: none"> • A certificate or certified true copy of the school the applicant attended, specifying <u>both the applicant’s degree and graduation year and month</u>. • The certificate must be the original document (not a copy). <p>Notes:</p> <p>(1) Applicants whose last schools issue graduation (completion) certificates and degree certificates in separate sheets should submit both in the original forms.</p> <p>(2) The certificate must be written in English.</p>
⑤ Certified Academic Records of Master’s Course (transcript)	<ul style="list-style-type: none"> • Certified Academic Records of the school the applicant attended. The transcript should be the original document (not a copy). <p>Note: The certified Academic Records must be written in English.</p>
⑥ Certificate of English proficiency	<ul style="list-style-type: none"> • Attach TOEFL, TOEIC, IELTS and CPE official scores as certification. The test score should be the original document (not a copy). A printed version of the “TOEFL Test Taker Score Report” only downloaded from your ETS account can be submitted as the original. <p>*The following programs accept equivalent English test scores. In case you would like to submit an equivalent English test score, please contact your supervisor in advance.</p> <ul style="list-style-type: none"> • Biotechnology Global Human Resource Development Program for Industry-University-Co-Creation • International Priority Graduate Program on Applied and Engineering Physics <ul style="list-style-type: none"> • Applicants who fall under the following cases do not need to submit an English test score. <p>(1) Applicants whose first language is English.</p> <p>(2) Applicants who have graduated from a university or a graduate school located in an English speaking country.</p> <p>(3) Applicants who have completed an undergraduate or graduate degree program where the language of instruction and examination was English. In this case, an official statement from the school will be required, confirming the use of English as the language of instruction and examination.</p> <p>< On Sending TOEFL Official Score Report to the University > DI CODE for GSE-OU: 8690 Name of Institution: Osaka University - Graduate School of Engineering</p>

Materials	Details
	Enter the above code on the answer sheet and follow the directions on the test sheet. It is not necessary to enter the department code (DEPT. CODE). If you do not find the DI CODE ("8690"), please write the following address: Student Affairs Division, Graduate School of Engineering, Osaka University, 2-1 Yamadaoka, Suita, Osaka 565-0871, Japan
⑦ Letter of Recommendation	• The letter should be written by the academic supervisor of the university the applicant attended, the employer if the applicant works, or the current supervisor.
⑧ Certificate of citizenship (A4 size paper) (Only for non- Japanese applicants)	• The applicant can submit a copy of the passport as well.
⑨ Copy of applicant's Residence Card (A4 size paper) (Only for applicants who already reside in Japan)	• Required only for those who have a status of residence in Japan. • It must specify applicant's residence status, period of stay, and current address.
⑩ Abstract of Graduation Thesis	• The abstract of the applicant's graduation thesis or equivalent document, including figures etc.
⑪ Receipt of Application Fee Payment (30,000 JPY)	Refer P.8~12 (3. How to Pay the Application Fee) for payment procedures. *Not required for the following applicants. • Applicants who have been officially recognized by the Japanese Government (MEXT) as MEXT Scholarship students • Applicants who expect to complete the Master's Course at Osaka University in March 2023, and will continue studying at the Doctoral level Note: If applicants are unable to pay through the Payment System due to a compelling reason, please contact the Admission Section well in advance.

Notes on submission:

- (1) Application documents should be typed or handwritten in BLOCK letters on A4 size paper in English. For documents in a language other than English, an English translation must be attached.
- (2) Admission Ticket for an Examination will be sent to applicants who do reside in Japan.
- (3) Once application documents have been received, they will not be returned.

3. How to Pay the Application Fee

Please pay the Application fee through the Application Fee Payment System.

The amount and payment deadline are as follows, and the payment method is as described in the following.

[Application fee]

30,000 yen

* Applicants are responsible for any additional fees incurred when using the system.

[Payment deadline]

【Summer Exam】 June 27, 2022, 10:00 a.m. ~ July 15, 2022, 3:00 p.m.

【Winter Exam】 October 10, 2022, 10:00 a.m. ~ October 28, 2022, 3:00 p.m.

* Japan time

Entrance examination fee payment

The payment process for the entrance examination fee is as follows.

For details on preparation and payment methods, please refer to the Application Fee Payment System "Introduction."

STEP1. Preparation

Prepare a computer and printer connected to internet.

STEP2. Access the Application Fee Payment System

Please access the following URL to visit the website of the Application Fee Payment System.

【URL】 <http://e-apply.jp/n/osaka-u-payment>

STEP3. Input Applicant's Information

Make sure to confirm procedures and notes on the screen page, and enter required information.

- ① School, Division Type
- ② Applicant's Information (Name, address, etc.)
- ③ Application is completed.
Make sure to write down the receipt number (12 digits).
This number is required to confirm and print your application later.
- ④ Payment Methods
 - Convenience stores
 - ATMs of Post offices or Banks
 - Internet banking
 - Credit cards
- ⑤ the Receipt of Application Fee Payment

If you select "Convenience store" or " ATMs of Post offices or Banks " as the payment method, a number (the number of digits will vary from store to store; some stores may provide both a customer number and a confirmation number) will be displayed after making your selection. This number(s) is required for payment, so be sure to write it down. Please pay at a convenience store or a post office/bank ATM within the payment deadline.

A confirmation email will be sent to you after your application is completed. If you restrict email receptions, please change the setting to receive emails from the sender (@e-apply.jp). *Note that there may be a case the email goes to junk mail folder.

*No corrections and/or changes can be made after your application is completed.

Make sure that your application contents are all correct.

However, if you have not yet paid, you may make corrections by re-registering with the correct information.

***Please note that if you choose to pay via credit card, payment will be completed at the same time you register your personal information.**

***Overseas residents can only pay by credit card and applicable online banking services.**

Payment cannot be made at convenience stores outside Japan.

STEP4. Pay the examination fee

The deadline for the payment is four days after application (including the application date).

Note: If payment is not made before the deadline, your application will be automatically cancelled. Also, be aware that this payment period is shorter for those who applied just before the application deadline.

1. Paying with a credit card

You can select and pay during the online application.

【Credit cards available for the payment】

VISA, Master, JCB, AMERICAN EXPRESS, MUFG, DC, UFJ, NICOS

[The payment can be completed during the online application.](#)

2. Paying by internet banking

After your online application is registered, the page will shift to the site of the bank you chose. Make the payment as instructed on the screen.

*Required your bank account is registered for internet banking.

[The payment can be completed online.](#)

3. Paying at convenience stores

Write down the number displayed after your online application is registered, and pay at any one of the following convenience stores.

Seven Eleven	<ol style="list-style-type: none">1. Please tell the cashier, "make an Internet payment."2. Say "payment slip number (13 digits)" and pay in cash, with NANACO or using a credit card.3. Make sure that you receive "a receipt" and "a ticket (one)."
Lawson, Mini Stop (Loppi)	<ol style="list-style-type: none">1. Click "those who have a specified number"2. Enter the "customer number*" (11 digits) and click "next"3. Click "multi-payment service" (payment)4. Enter the "confirmation number*" (6 digits), then click "next"5. Check the displayed information and click "checked"6. Take the receipt printed out of the terminal and make a cash payment at the cashier within 30 minutes.7. Make sure that you receive "specification of payment (receipt)."8. You may keep "specification of payment," and it is not necessary to submit it to us.
FamilyMart (Fami Port)	<ol style="list-style-type: none">1. Click "payment"2. Click "multi-payment service" (payment)3. Enter the "customer number*" (11 digits) and click "next"4. Enter the "confirmation number*" (6 digits), then click "next"5. Check the displayed information and click "checked"6. Take the receipt printed out of the terminal and make a cash payment at the cashier within 30 minutes.7. Make sure that you receive "specification of payment (receipt)."8. You may keep "specification of payment," and it is not necessary to submit it to us.
Daily Yamazaki	<ol style="list-style-type: none">1. Please tell the store staff, "make an Internet payment."2. Please say "online settlement number (11 digits)" to make a cash payment.3. Make sure that you receive "a receipt."4. You may keep "the receipt," and it is not necessary to submit it to us.
SeicoMart (Club Station)	<ol style="list-style-type: none">1. Click "Internet payment/payments"2. Enter the "Online settlement number*" (11 digits)," click "next page"3. Verify "online settlement number," then click "next page"4. Check the displayed information and click "print"5. Take the receipt printed out of the terminal and make a cash payment at the cashier within 30 minutes6. Make sure that you receive "specification of payment"7. You may keep "specification of payment," and it is not necessary to submit it to us.

4. Paying at ATMs with Pay-easy option

Write down the number displayed after your online application is registered, and pay at any one of the ATMs with Pay-easy option as instructed on the screen.

*Banks with Pay-easy option can be checked on the [Selection of Payment Method] page.

Paying at ATMs of post offices/banks	<ol style="list-style-type: none">1. Click "Pay tax/charge"2. Enter the "receiving company number (58021)," then click "checked."3. Enter the "customer number," then click "checked."4. Enter the "confirmation number," then click "checked."5. Check the displayed information and click "checked."6. Make a payment in cash or with a cash card. *7. Make sure that you receive "specification of payment."
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*When using Japan Post Bank / Bank ATM, if the amount exceeds 100,000 yen in cash, please pay with a cash card. If you use a convenience store, you can pay up to 300,000 yen in cash.

Enter necessary information as instructed on the screen of the terminal or ATM, check the information displayed, and make the payment.

STEP5. Print out the Receipt of Application Fee Payment

After the payment is completed, print the documents downloadable on A4 size paper, and send the Receipt of Application Fee Payment with other documents within the application period.

* Please refer to the application guidelines for the mailing address, deadline, and required documents.

* After your application is accepted, your screening fee and application documents will not be returned except for special circumstances.

* Osaka University refuses to answer any questions whether the application documents have reached us or not. Please confirm the delivery status by yourself by checking the website of the mail service company, etc.

<Payment completed> Caution regarding application and payment

To complete your application, you must mail in the required application documents described in the student recruitment guidelines along with the proof of payment for the examination fee. The application is not completed simply by registering.

Payments can be made at any time of day. Business hours may vary depending on where you make your payment (convenience store, ATM, etc.). Please mail the required documents within the time specified in the application guidelines. Also be sure to give yourself plenty of time to prepare and send in your application.

●Exemption of Application Fee for the Victims of Natural Disasters

In order to reduce financial burden and provide educational opportunities to prospective students affected by natural disasters, Osaka University will take the following special measure, namely exemption of the entrance examination fees payment.

*Note: Non-regular students such as credited auditors are not eligible for this exemption.

Please visit the official website of Osaka University for more details.

【URL】 <https://www.osaka-u.ac.jp/ja/admissions/information>

In this case, the Application Fee Payment System cannot be used. Please contact the office listed in this guideline and follow the instruction.

●Refund of Application Fee

Application fees are not refundable except in the following cases.

- (a) In case the applicant did not submit the application documents or the application documents were not accepted.
- (b) In case the applicant made a duplicate payment by mistake.

<Inquiries about This Web Site and Its Operation>

Learning and Education Application Service Support Center

(Operating company : Disco Inc.)

E-Mail: cvs-web@disc.co.jp

* We cannot answer questions regarding entrance exams and universities.

*Inquiries by phone are only available in Japanese.

4. Selection and Announcement of the Results

- (1) Summer Exam:
 - ① Examination will be conducted in either of the following ways:
 - For applicants who do not reside in Japan:

Screening will be conducted by reviewing the application materials and documents submitted. An interview and/or academic examination might be conducted if deemed necessary.

*For applicants to the following programs, contact prospective academic supervisors for more detailed information of the examination.

 - **International Priority Graduate Program on Applied and Engineering Physics**
 - **International Program of Mechanical Engineering**
 - For applicants who do reside in Japan:

Screening will be conducted by reviewing the application materials and documents submitted as well as via an interview. An academic examination might be conducted if deemed necessary.
 - ② The examinee's number of successful applicants will be posted on the Graduate School Admissions page of the Osaka University School/Graduate School of Engineering website (the following URL) **in early September 2022.**
<https://www.eng.osaka-u.ac.jp/en/entrance/f_admissions/>
- (2) Winter Exam:
 - ① Examination will be conducted in either of the following ways:
 - For applicants who do not reside in Japan:

Screening will be conducted by reviewing the application materials and documents submitted. An interview and/or academic examination might be conducted if deemed necessary.

*For applicants to the following programs, contact prospective academic supervisors for more detailed information of the examination.

 - **International Priority Graduate Program on Applied and Engineering Physics**
 - **International Program of Mechanical Engineering**
 - For applicants who do reside in Japan:

Screening will be conducted by reviewing the application materials and documents submitted as well as via an interview. An academic examination might be conducted if deemed necessary.
 - ② The examinee's number of successful applicants will be posted on the Graduate School Admissions page of the Osaka University School/Graduate School of Engineering website (the following URL) **in mid December 2022.**
<https://www.eng.osaka-u.ac.jp/en/entrance/f_admissions/>

※The following program does not conduct the Winter Exam.

- **International Program of Sustainable Energy and Environmental Engineering**

5. Admission Fee and Tuition

- (1) Admission fee: 282,000 JPY
- (2) Tuition: 535,800 JPY/year

Notes:

- (1) The bank transfer fee is to be paid by the applicant.
- (2) The amount of the admission fee and tuition are subject to change. Amendments to fees will be applied from the date of amendment.

6. Semester Starting Date

April 1, 2023

※The classes may start at a later date.

7. Notes for Applicants

- (1) Incomplete documents will not be accepted.
- (2) The content of submitted documents cannot be changed after the application procedure has been completed.
- (3) Applications may be rejected or admission may be revoked even after matriculation, if any information or material in the application is found to be fraudulent.
- (4) Applicants who need assistance due to physical disabilities when taking exams and/or in taking courses of study after enrollment in Osaka University should consult the Admission Section at the following address by July 1, 2022 for the Summer Exam or October 21, 2022 for the Winter Exam.
- (5) On-campus parking spaces for cars and motorcycles are not available on the day of examination. Use of public transportation is encouraged instead.
- (6) Successful applicants will be strongly advised to learn about Japan (the people, society, culture, and geography) as well as the University prior to their arrival in Japan.
- (7) For any questions concerning the application procedure, please contact the Admission Section freely.

8. Policy on Handling Personal Information

- (1) Names, addresses, and other personal information obtained through the application procedure will be used in the Entrance Examination Process, in the Announcement of the List of Successful Applicants, in the Admission Procedures, and in the distribution of program leaflets. For those admitted into Osaka University, personal information will also be used in academic-related matters (such as keeping academic and registration records), in student support matters (such as health care management, school fee remissions, scholarship applications, career support, etc.), and in school fee management.
- (2) Information obtained through the entrance examination will be used in statistical analysis of examination results, and in research on admission methods.

9. Inquiries and Further Information

Admission Section
Student Affairs Division
Graduate School of Engineering
Osaka University
2-1 Yamadaoka, Suita,
Osaka 565-0871, JAPAN
Telephone: +81-6-6879-7228
Facsimile: +81-6-6879-7229
E-mail: iso-staff@eng.osaka-u.ac.jp