

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

[Enrollment in April 2021]

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 September 30, 2020. Such applicants shall follow the other guideline for internal application.



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http://www.eng.osaka-u.ac.jp/en/entrance/g_admissions.html

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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; N3 level of the Japanese Language Proficiency Test is required; successful defense of 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.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 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

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 cutting-edge research skills related to materials and manufacturing science. This program fosters advanced engineers and scientist who have a clear 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/index.html>

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. Those with other residence statuses are not eligible to apply for the entrance examination.
However, those who will be changing their residence status to “Student” 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, 2021, 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, 2021.
 - ③ The applicant is no younger than 24 years of age as of March 31, 2021, 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 (1)).
- (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:

- (1) 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 July 1, 2020 for the Summer Exam or September 18, 2020 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:

Every applicant must find, well in advance, a supervisor suitable for the research field in which the applicant is interested, and contact him/her by email to confirm whether the field is adequately fitting to his/her laboratory.

(1) Application Period

- ① Summer Exam . . . **July 6 to July 17 , 2020 3:00 p.m. (Japan time)**
- ② Winter Exam . . . **October 26 to October 30 , 2020 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..

※ International Program of Sustainable Energy and Environmental Engineering does not conduct the Winter Exam.

(2) 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 certificate from the school the applicant attended. The certificate should 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 certificate 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) <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

Materials	Details
	<ul style="list-style-type: none"> • Applicants who fall under the following cases do not need to submit an English test score. (1) Applicants whose first language is English. (2) Applicants who have graduated from a university or a graduate school located in an English speaking country. (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. (4) Applicants who are on the Chemistry-Biology Combined Major Program and expected to graduate from either of the School of Science, Engineering, or Engineering Science at Osaka University prior to the date of enrollment to the course. <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> <p>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</p>
7. Letter of Recommendation	<ul style="list-style-type: none"> • The letter should be written by the academic supervisor of the university the applicant attended, the employer if the applicant works in, or the current supervisor.
8. Certificate of citizenship (A4 size paper) (Only for non-Japanese applicants)	<ul style="list-style-type: none"> • The applicant can submit a copy of the passport as well.
9. Copy of applicant's Residence Card (Only for applicants who already reside in Japan)	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • The abstract of the applicant's graduation thesis or equivalent document, including figures etc.
11. Receipt of Application Fee Payment (30,000 JPY)	<p>Refer P.9 (3. How to Pay the Application Fee) for payment procedures. *Not required for those who will enroll as a Japanese Government (MEXT) Scholarship student. Note:</p>

Materials	Details
	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

(1) Before Using the Payment System

① Check Your Device

<Browser minimum requirements>

Internet Explorer 11

Microsoft Edge

Google Chrome

<Smartphone and Tablets minimum requirements>

Android ver.9 (Pie) Chrome

iOS ver.12 or more Safari

Pop-ups should be enabled in your browser.

It may not work properly if you use a browser other than the recommended web browser.

Internet applications on this site use cookies and JavaScript.

Set Cookies and JavaScript to "Enable" in the settings of your browser.

Please use Chrome for Android smartphone or tablet browser, and Safari for iOS browser.

② Check Availability to Open PDF

The Receipt of Application Fee Payment System is a PDF file. To view documents in PDF, Adobe Reader from Adobe Systems is required (free of charge). If Adobe Reader is not installed on your computer, please install the latest version.

If you are using a smartphone or tablet, we recommend using Google Docs (There is no need to download the app when browsing).

③ Check Printing Environment

The Receipt of Application Fee Payment System has to be printed out to submit.

If you don't have your own printer, please use one in your school, acquaintance's house, convenience stores, etc. Please print the receipt.

④ Prepare an Email Address

The registered email address will be used as the Login ID of the Application Fee Payment System. Please register a reachable email address and do not change or delete it until the entrance examination ends. Important notices will be sent to the address. Also, please ensure that you can receive emails from "@ml.sak2-app.jp", "@mle.sak2-app.jp."

⑤ Confirm Payment Method

Payment through these methods are available: credit card, China Pay, convenience store, bank transfer through Pay-easy.

Please confirm the payment methods such as available financial institutions, and pay-

ment procedure beforehand because each method has its own restriction and instructions. If you chose Pay-easy, please confirm following website for acceptable bank.
<https://www.veritrans.co.jp/payment/bank/list.html>

⑥Prepare Application Documents

Please make sure to prepare the required documents well in advance because some documents may take time to be issued.

(2) Register for the Application Fee Payment System

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

<https://www.sak2-app.jp/app/osaka-u-afp>

①Input Information about Application

Please register an ID (email address) and a password.

Please select a school and an admission type by following the instructions.

②Input Basic Information

Please input the applicant's basic information by following the instructions.

③User Registration

Please register an ID (email address) and a password.

④Confirm Application Contents

Please confirm the input information. Please click "Alter" button to alter the contents.

<Note>

The information input at "①Input Information about Application" and "②Input Basic Information" will not be alterable after you complete the next step: "Application Fee Payment." Please make sure there is no mistake in the input information before proceeding to "Application Fee Payment."

(3) Application Fee Payment

①Application Fee 30,000 JPY

※System operation fee will be charged separately.

②Choose Payment Method

Please confirm the amount of payment and choose the method of payment by following the instructions.

If you choose to pay by the convenience store or by the internet banking service of Pay-easy, an email message which gives required numbers to make payment will be sent to the registered email address.

The available banks and notes are as follows:

Payment Method/ Available Banks and Stores	Payment Period	Notes
Credit Card • VISA • Master • China Pay	【Summer Exam】 June 29, 2020, 10:00 a.m. ~July 17, 2020, 3:00 p.m.	The credit card holder's name does not need to match the applicant's name.
Convenience Store • LAWSON • FamilyMart • Daily Yamazaki • Yamazaki Daily Store • MINISTOP • Seicomart	【Winter Exam】 October 12, 2020, 10:00a.m. ~ October 30, 2020, 3:00 p.m. *Japan time	Only for applicants who reside in Japan.

Payment Method/ Available Banks and Stores	Payment Period	Notes
Bank Banks which offer the Pay-easy service (※)		Only for applicants who reside in Japan. The credit card holder's name does not need to match the applicant's name.

※Please refer to the following website to confirm the available banks.

<https://www.veritrans.co.jp/payment/bank/list.html>

< Notes >

Please complete your payment and submit the application documents to Osaka University by the deadline. Please consider the time it takes for the application documents to reach Osaka University and make payment early.

○To Change the Payment Method

The payment method can be changed before completion of the payment.

[Login to the Application Fee Payment System] ⇒ [Application Record] ⇒ [Application Contents] ⇒ [Change the Payment Method] ⇒ follow the instructions on the page. After you cancel the payment by bank (Pay-easy,) please DO NOT use the invalid numbers.

○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.

※To Request a Refund of Application Fee

Please contact the Admission Section if you meet at least one of the above conditions.

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③Make Payment

Please make payment by selecting the listed methods.

The Receipt of Application Fee Payment will not be available until the payment is completed.

- Credit card : Input the card numbers on this Payment System.
- China Pay : Access the website of China Pay via this Payment System.
- Convenience store : Pay at the designated convenience stores.
- Pay-easy : Pay at the designated bank or by Internet banking service of Pay-easy.

(4) Print the Receipt of Application Fee Payment

After the payment is completed, the Receipt of Application Fee Payment (PDF) will be downloadable. Please print it in A4 size and submit with other application materials.

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 “[International Priority Graduate Program on Applied and Engineering Physics](#)” and “[International Program of Mechanical Engineering](#)”, contact prospective academic supervisors for more detailed information of the examination.

- 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 by the end of August 2020.

(2) Winter Exam

※ “International Program of Sustainable Energy and Environmental Engineering” does not conduct the 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 “[International Priority Graduate Program on Applied and Engineering Physics](#)” and “[International Program of Mechanical Engineering](#)”, contact prospective academic supervisors for more detailed information of the examination.

- 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 by the end of December 2020.

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, 2021

※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 10, 2020 for the Summer Exam or October 29, 2020 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
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Osaka University
2-1 Yamadaoka, Suita,
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