

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

[Enrollment in April 2025]

**< Internal Application >
For Students who complete Master's Degree
of the following program in March 2025**

■ Program Descriptions.....	P. 1 - 4
Biotechnology Global Human Resource Development Program for Industry-University Co-Creation	P. 1
International Priority Graduate Program on Applied and Engineering Physics.....	P. 2
International Program of Materials and Manufacturing Science	P. 3
Global Science and Engineering Course on Electrical, Electronic and Infocommunications Engineering	P. 4
■ Procedures and General Descriptions	P. 5- 7



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

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

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:

Enrolment for the prescribed period and completion of the followings.

- 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 and successful defense of doctoral dissertation
- passing of the final examination of the program.
- Improving Japanese skill is also required during the course.

For details, see the course handbook distributed at the time of enrolment.

(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:

Enrolment for the prescribed period and completion of the followings.

- earn no less than six total academic credits
- completion of the Special Research
- defense the doctoral dissertation and passing the final examination of the course

For details, see the course handbook distributed at the time of enrolment.

(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 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:

Enrolment for the prescribed period and completion of the followings.

- completion of lectures and seminars corresponding to no less than 4 credits
- completion of Special Research
- submission and defense of the doctoral thesis
- passing the final examination of the course.

For details, see the course handbook distributed at the time of enrolment.

(2) Degree: Doctor of Philosophy in Engineering

3. Admission Quota

A few

4. Program Website

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

Global Science and Engineering Course on Electrical, Electronic and Infocommunications Engineering

1. Program Summary

The aim of this program is to educate students to become scientists or engineers of the new generation with basic knowledge and state-of-the-art research skills necessary for: electronics, ubiquitous networking, nanotechnology, and electric power/energy. Through these educational and research activities, we seek to establish a safe and secure society, and an affluent, prosperous, sustainable, and human-friendly world.

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

(1) Requirements:

Enrolment for the prescribed period and completion of the followings

- completion of lectures and seminars corresponding to no less than 4 credits
- completion of Special Research
- submission and defense of doctoral dissertation
- passing the final examination of the course.

For details, see the course handbook distributed at the time of enrolment.

(2) Degree: Doctor of Philosophy in Engineering

3. Admission Quota

A few

4. Program Website

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

■ Procedures and General Descriptions

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

(1) Educational background:

Those who are expected to complete one of the following master's degree programs in March 31, 2025.

- Biotechnology Global Human Resource Development Program for Industry-University Co-Creation
- International Priority Graduate Program on Applied and Engineering Physics
- International Program of Materials and Manufacturing Science
- Global Science and Engineering Course on Electrical, Electronic and Infocommunications Engineering

(2) Health:

Applicants must be physically and mentally healthy enough to pursue study at university.

2. Application Procedure

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.

(1) Application Period . . . **October 28 to November 1, 2024 3:00 p.m.(Japan time)**

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

(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

【Office Hours】*If you bring your own : Weekday 9:30 a.m. to 3:00 p.m. (excluding 11:30 a.m. ~ 12:30 p.m.)

(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	<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) Copy of applicant's Residence Card (A4 size)	<ul style="list-style-type: none"> • It must specify applicant's residence status, period of stay, and current address.

Notes:

- (1) Admission Ticket for an Examination will be sent to the applicant.
- (2) Once application documents have been received, they will not be returned.

3. Selection and Announcement of the Results

- (1) Graduate School of Engineering, Osaka University will select matriculates from the applicants by reviewing the application materials and documents submitted by the applicants. In addition, oral examination including an interview concerning the master's thesis and/or academic examination will be conducted from November to early December 2024.
- (2) The examinee's number of successful applicants will be posted on the Graduate School Admissions page (the following URL) **on December 13, 2024 2:00 p.m. (Japan time)**.
< http://www.eng.osaka-u.ac.jp/en/entrance/f_admissions.html >

4. Tuition

Tuition: 535,800 JPY/year

Notes:

- (1) The bank transfer fee is to be paid by the applicant.
- (2) The amount of tuition is subject to change. Amendments to fees will be applied from the date of amendment.
- (3) Tuition is waived for the MEXT Scholarship awardees.

5. Semester Starting Date

April 1, 2025

※Classes may start at a later date.

6. 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) For any questions concerning the application procedure, please contact the Admission Section freely.
- (5) On-campus parking spaces for cars and motorcycles are not available on the day of examination. Use of public transportation is encouraged instead.

7. 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.

8. 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