

# **Osaka University, Graduate School of Engineering Master's Degree Programs Conducted in English**

**[Enrollment in October 2022]**

Note:

The quota advertised in this guideline has no pre-allocate scholarship, and is not available for applicants sponsored by the Special Programs with Japanese Government (MEXT) Scholarship in compliance with University Recommendation.



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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 biology, chemistry, physics and bioengineering, so that they may harness the potential of biotechnology applicable to Japanese industries as well as academia.

## **2. Important Program Features**

- (1) English will be used for all the lectures, instructions, and research-related activities.  
In the Basic Courses, students will acquire a solid background in advanced biotechnology. In the Project-based Training Course students will acquire the ability to design and execute research in a critical manner. In the Advanced Research Proposal Course students will acquire the ability to propose original research plans independently as a scientist. Through immersion in Special Research students will have ample time during the remaining four years to attain their Master's and Doctoral Degrees in Engineering.
- (2) The Basic Courses, which will be held in the first semester of the master's program, will deal with a wide range of subjects: advanced biotechnology, and basics and applications in the fields of "Biotechnology," "Life Science," and "Biochemistry."
- (3) In the first semester of the master's program, students will take the Project-based Training Course. This course is designed to prepare students as research engineers with the ability to conceive innovative ideas, by synthesizing knowledge from different disciplines and the techniques for devising research plans towards realizing the ideas.  
In this course, each student will choose one laboratory different from their own, and will produce a short-term research work under the supervision of the professor of that laboratory.
- (4) All students will conduct their Special Research in the second, third, and fourth semester of the master's program, under the supervision and instruction of his/her professor.
- (5) For Special Research in the master's programs, each student will choose one laboratory among Bioenvironmental Science (Watanabe Lab.), Cell Technology (Muranaka Lab.), Bioprocess Systems Engineering (Kino-oka Lab.), Bioresource Engineering (Fukusaki Lab.), Macromolecular Biotechnology (Uchiyama Lab.), Biochemical Engineering (Omasa Lab.), Applied Microbiology (Fujiyama Lab.), Molecular Microbiology (Honda Lab.), Photonic Biotechnology (Nagai Lab.), and Protein Crystallography (Kurusu Lab.). Students can change their laboratory after completion of the master's program, if they wish to do so.
- (6) Improving Japanese skill is also required during the course.
- (7) Doctoral course on Biotechnology Global Human Resource Development Program for Industry-University-Co-Creation can be taken only in English after completing this master course and passing the entrance examination.

## **3. Requirements for the Completion of the Course and Obtaining the Degree**

- (1) Master's Program
  - ① Requirements for completion of the program: completion of two compulsory courses, the Project-based Training Course, and Safety Education Course for a total of no less than 30 credits; completion of Special Research; acceptance of the master's thesis by the faculty; and passing of the final examination of the course.
  - ② Degree: Master of Engineering

## **4. Admission Quota**

10

## **5. Program Website**

[https://www-bio.eng.osaka-u.ac.jp/gh\\_resour\\_prog/index.html](https://www-bio.eng.osaka-u.ac.jp/gh_resour_prog/index.html)

# Chemical Science Course

## 1. Program Summary

The present Chemical Science Course (CSC) at the Graduate School of Engineering offers postgraduate students for both your Masters and Doctoral degrees covering all aspects of “Chemistry”, the center of science. “Chemistry” provides a broad spectrum of information and provides the indispensable basis that underlines our materials society, and keys for the future of society.

## 2. Important Program Features

- (1) English will be used in all lectures, instructions, and research-related activities.
- (2) In the first and second semesters, students will acquire and establish a fundamental basis for applied chemistry through 18 intensive courses given by over 40 professors in the fields of Physical Chemistry, Synthetic Chemistry, and Biological Chemistry. From the second year, the program is geared towards developing the ability for each student to carry out creative scientific research. As such, the single most important element of the curriculum for any individual is his/her own research project.
- (3) Also in the initial semester, students will choose their research director, with the guidance of the faculty members and the advisory board of the course, and will select their thesis advisor after completing the rotation of working with different faculty members over a few weeks. Thereafter, students will become involved in library research on their projects and will soon begin actual experimental or theoretical work. The supervisor will be assigned from the professors in the Department of Applied Chemistry.  
(check the website of the department: <http://www.chem.eng.osaka-u.ac.jp/appl/course/index.html>).  
Students can also choose the supervisor from one of the professors in Physical Chemistry for Life Science Lab., Chemistry on Supra Molecular Recognition Lab., Chemical Biology Lab., and Bio functional Chemistry Lab. in the Department of Material and Life Sciences (check the website of the department: [http://www.chem.eng.osaka-u.ac.jp/appl/index\\_e.html](http://www.chem.eng.osaka-u.ac.jp/appl/index_e.html))
- (4) In keeping with the goal of fostering an atmosphere of scholarly, independent study, formal course requirements are minimal and vary among disciplines; advisors can tailor the course requirements to best prepare each student for their chosen field of research. For example, a student who chooses to specialize in physical chemistry is normally expected to take four ~ six courses during the first semester chosen from such topics as Statistical Mechanics, Polymer Physics, Interactions of Radiation with Matter, Electrochemistry, and many more; an organic chemistry student will chose from the fields of Synthetic Chemistry, Physical Organic Chemistry, Homogeneous Catalysis (transition-metal catalysts as well as organic catalysts), Heterogeneous Catalysis, and so on. Students are expected to learn the basic principles of synthetic transformation, organic reaction mechanisms, and physical organic chemistry including molecular orbital theory through such courses.

## 3. Requirements for the Completion of the Course and Obtaining the Degree

- (1) Master's Program
  - ① Requirements for completion of the program: completion of elective courses in the present program for a total of no less than 30 credits; completion of Special Research; acceptance of the master's thesis by the faculty; and successful passing of the final examination of the course.
  - ② Degree: Master of Engineering
- (2) Doctoral Program
  - ① Requirements for completion of the program: completion of one compulsory course of Research Proposal Contest and elective Applied Chemistry, Adv.3 and 4 for a total of no less than 6 credits; satisfactory performance in the mid-term review of the Special Research; successful defense of the doctoral dissertation; and successful passing of the final examination of the program.
  - ② Degree: Doctor of Philosophy in Engineering

#### **4. Admission Quota**

Max. 10

#### **5. Program Website**

<http://www.chem.eng.osaka-u.ac.jp/appl/course/>

# 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. Important Program Features

- (1) We aim to develop human resources capable of advancing science and technology in the field of Applied and Engineering Physics. Students will use fundamental principles of physics to elucidate and control material properties on the electronic and atomic level, and use the acquired knowledge to develop cutting edge technologies that can be applied in both leading and emerging engineering fields.

By attending lectures, participating in workshops, and conducting research, students will be able to

- Develop advanced expertise in Applied and Engineering Physics
  - Gain fundamental understanding of materials and develop their applications in various fields of science and technology
  - Establish international network in the field of Applied and Engineering Physics
- (2) The students will receive world-class instructions regarding the method in developing nano-materials design, the method only Osaka University has. Specialized, international, and advanced educational subjects are provided in each research field. Details and more information may be found in the Program Website

## 3. Requirements for the Completion of the Course and Obtaining the Degree

- (1) Master's Course
  - ① Requirements: Completion of lectures and seminars corresponding to no less than 30 credits; completion of Special Research; submission and defense of the master's thesis; and passing the final examination of the course.
  - ② Degree: Master of Engineering
- (2) Doctoral Course
  - ① Requirements: Completion of lectures and seminars corresponding to no less than 6 credits; completion of Special Research; successful defense of the doctoral dissertation; and passing the final examination of the course.
  - ② Degree: Doctor of Philosophy in Engineering

## 4. Admission Quota

A few

## 5. Program Website

[http://www.pstap.eng.osaka-u.ac.jp/index\\_e.html](http://www.pstap.eng.osaka-u.ac.jp/index_e.html)

## 6. 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. Important Program Features

- (1) English will be used in all lectures, instructions, and research-related activities.
- (2) Students will conduct Special Research under the supervision and instruction of his/her professor in Division of Mechanical Engineering that consists of four education and research areas: Complex Mechanics, Thermo and Fluid Dynamics, Design and Integration, and Control and Intelligence.
- (3) In the first year of the master program, students will establish a fundamental basis for mechanical engineering.
- (4) Aspiring students in the master's program will be encouraged to proceed to the doctoral program.

## 3. Requirements for the Completion of the Course and Obtaining the Degree

### (1) Master's Program

- ① Requirements for completion of the program: Submission and successful defense of a Master's thesis and a minimum of 30 credits in total.
- ② Degree: Master of Engineering

### (2) Doctoral Program

- ① Requirements for completion of the program: Submission and successful defense of a doctoral dissertation and a minimum of 4 credits in total.
- ② Degree: Doctor of Philosophy in Engineering

## 4. Admission Quota

A few

## 5. 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 scientists or engineers of the new generation with basic knowledge and cutting-edge research skills related to materials and manufacturing science. Materials and Manufacturing Science covers the physical and chemical fundamental properties of materials, the development of new structural/functional materials, and their processing and recycling, and advanced design/manufacturing system that meet various social requirements. This program fosters engineers and scientists who have a clear perception of the engineering flow, from materials development to product manufacture.

## 2. Important Program Features

- (1) English will be used in all lectures, instructions, and research-related activities.
- (2) In the first and second semesters, students will acquire and establish a fundamental basis of materials and manufacturing science through 20 core courses lectured by more than 60 professors in the fields of materials and manufacturing science. From the second year students will mainly focus his/her activities on individual scientific research project under supervision and instruction by his / her supervisor (professor).
- (3) Before or at the beginning of the initial semester, students will decide their supervisor for Special Research, and will begin research. The supervisor will be assigned from the professors or associate professors in the Division of Materials and Manufacturing Science.
- (4) Doctoral course on Materials and Manufacturing Science can be taken only in English after completing this master course and passing the entrance examination.
- (5) The student who hopes to study the International Priority Graduate Program of “Quantum Engineering Design Course (QEDC)” is able to be enrolled in as a participant of Minor program.

## 3. Requirements for the Completion of Course and Obtaining the Degree

- (1) Requirements: Completion of lectures and seminars corresponding to no less than 30 credits; completion of Special Research; submission and defense of the master’s thesis; and passing the final examination of the course.
- (2) Degree: Master of Engineering

## 4. Admission Quota

A few

## 5. Program Website

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

## 6. Requirement for Applicant

Before submission of application form, applicant should contact prospective supervisors or the head of Division of Materials and Manufacturing Science.

# **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. Important Program Features**

- (1) English will be used in all lectures, instructions, and research-related activities.
- (2) In the first and second semesters, students will acquire and establish a fundamental basis for electric, electronics and infocommunications engineering through 20 intensive courses given by over 40 professors in the fields of Electrical Engineering, Information and Communications Technology, and Quantum Information Electronics . From the second year, the program is geared towards developing the ability for each student to carry out creative scientific research. As such, the single most important element of the curriculum for any individual is his/her own research project.
- (3) Also at the beginning of the initial semester, students will choose their research director, with the guidance of the faculty members and the advisory board of the course, and will soon begin actual experimental or theoretical work. The supervisor will be assigned from the professors in the Division of Electrical, Electronic and Infocommunications Engineering (check the website of the division: <http://www.eei.eng.osaka-u.ac.jp/english/academic-staff.html>).
- (4) In keeping with the goal of fostering an atmosphere of scholarly, independent study, formal course requirements are minimal and vary among disciplines; advisors can tailor the course requirements to best prepare each student for their chosen field of research. For example, a student who chooses to specialize in system-based science and engineering including half of electrical engineering and information and communication technology is normally expected to take minimum eight courses during the first year chosen from such topics as Dynamical Systems Theory, Applied Mathematical Sciences, Mathematical Fundamentals of Computer Networking, Multimedia Signal Analysis, and many more; another student who chooses to specialize in physics-based science and engineering including another half of electrical engineering and Quantum Information Electronics is normally expected to take minimum eight courses during the first year chosen from such topics as Surface Diagnostics, Optoelectronics, Semiconductor Physics, Integrated Circuit Design, and many more.
- (5) Doctoral courses on Electrical Engineering, Information and Communications Technology, and Quantum Information Electronics can be taken only in English after completing the Global Science and Engineering Course on Electrical, Electronic and Infocommunications Engineering and passing the entrance examination.

## **3. Requirements for the Completion of the Course and Obtaining the Degree**

- (1) Requirements: Completion of lectures and seminars corresponding to no less than 30 credits; completion of Special Research; submission and defense of the master's thesis; and passing the final examination of the course.
- (2) Degree: Master of Engineering

## **4. Admission Quota**

A few

## **5. Program Website**

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

# International Program of Maritime and Urban Engineering

## 1. Program Summary

The aim of this program is to educate students to become young scientists of the new generation with basic knowledge and state-of-the-art research skills necessary for: disaster prevention; protection of marine and urban environments; development of new energy and energy-saving technologies; and for the realization of a synthesized scheme of space, ocean and land.

## 2. Important Program Features

- (1) English will be used in lectures, instructions, and research-related activities. In the Basic Courses in the first year, students will acquire a solid background in maritime and urban engineering. Through immersion in Special Research, students will have ample time during the remaining four years to attain their Master's and Doctoral degrees in Engineering. The Basic Courses in the first two semesters consist of specially designed lectures which can be categorized into the following three systems.

- ① Disaster Prevention and Safety Engineering
- ② Environmental Symbiosis and Energy Saving
- ③ Development and Design of Space, Land and Ocean.

Each student can take these specially designed lectures or the lectures to be provided by preexisting courses of Naval Architecture & Ocean Engineering, Civil Engineering, and Architectural Engineering.

- (2) Students will conduct their Special Research from the third semester (the second year) of the master's program under the supervision and instruction of their professors. In this scheme, each student will choose one research theme from the following categories:

- ① Marine Interdisciplinary Engineering
- ② Comprehensive Spatial Design
- ③ Urban Synthetic System Design
- ④ Naval Architecture
- ⑤ Ocean Systems Engineering
- ⑥ Structural and Geotechnical Engineering
- ⑦ Civil and Social Systems Engineering
- ⑧ Architectural Structures and Strength
- ⑨ Environmental and Human Engineering in Architecture

- (3) In the master's program, students will be encouraged to participate in the cross-boundary special seminars and make a presentation on the progress of their Special Research. At the end of the master's program, the achievement and academic level will be checked.

If the level does not meet certain criteria, they will go through a short-term intensive course for further education.

- (4) When starting the doctoral program, students will propose the research plan by themselves, review the state-of-the-art in their desired research theme, and make their presentation, which will be followed by discussions with professors and associate/assistant professors.

- (5) During the period of the doctoral program, students will conduct the Special Research, while expanding their knowledge by attending lectures and seminars. Each student will be required to make a presentation (at least once during the doctoral program) on the progress of the Special Research at the international research meeting which will be organized, prepared, and chaired by students every year.

### **3. Requirements for the Completion of the Course and Obtaining the Degree**

(1) Master's Program

- ① Requirements for completion of the course: Completion of lectures and seminars corresponding to no less than 30 credits; completion of Special Research; submission and defense of the master's thesis; and successful passing of the final examination of the program.
- ② Degree: Master of Engineering

(2) Doctoral Program

- ① Requirements for completion of the program: Completion of lectures and seminars corresponding to no less than 6 credits; satisfactory performance in Qualification Test PartI; defense of the doctoral dissertation; and passing of Qualification Test PartII of the program.
- ② Degree: Doctor of Philosophy in Engineering

### **4. Admission Quota**

About 10

### **5. Program Website**

<http://maritime-urban.naoe.eng.osaka-u.ac.jp/>

## ■ Procedures and General Descriptions

### 1. Application Requirements

(The following items are common to the all program)

- (1) Citizenship and residence status: This entrance examination is for those with the “Student” residence status. However, those who will change their residence status to “Student” or are expected to get the “Student” visa prior to enrollment may apply.  
<About those with Japanese nationality >  
\*Except the following program, those with Japanese nationality are eligible to apply for the examination as well.
  - **International Program of Maritime and Urban Engineering**\*Applicants on the following program who hold Japanese nationality must fulfill one of the following qualifications.
  - **International Priority Graduate Program on Applied and Engineering Physics**
    - ① Applicants should have sufficient proficiency in English language: TOEFL(550), TOEFL iBT(72), TOEIC(785), IELTS(5.5), or an equivalent English test score.
    - ② Applicants who have graduated or expect to graduate from university in a country other than Japan that correspond to that of university in Japan before the date of enrollment in Osaka University.
- (2) Educational background : Applicants must fulfill one of the following qualifications:
  - ① The applicant has graduated, or is expected to graduate by September 30, 2022, from a Japanese university.
  - ② The applicant must have a bachelor’s degree or an equivalent degree granted upon completion of an academic program of either a foreign university or a foreign educational institution whose term of study is at least 3 years or more, by September 30, 2022.
  - ③ The applicant is no younger than 22 years of age as of September 30, 2022, 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 physically and mentally 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 September 17, 2021 for the Winter Exam or April 8, 2022 for the Spring 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 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.

[Laboratories at the GSE] [https://www.eng.osaka-u.ac.jp/department/?post\\_type=en](https://www.eng.osaka-u.ac.jp/department/?post_type=en)

(1) Application Period

- ① Winter Exam . . . **October 25 to November 12, 2021 3:00 p.m. (Japan time)**
- ② Spring Exam . . . **April 25 to May 13, 2022 3:00 p.m. (Japan time)**

\*We will not be able to respond to inquiries on Saturdays, Sundays, and May 3-5 (Japanese national holidays). Please prepare your documents and make inquiries as early as possible.

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.

In most of the programs, the entrance examination will be held twice, winter and spring. Applicants may apply for either one.

\* The following programs do not conduct the Winter Exam.

- **Global Science and Engineering Course on Electrical, Electronic and Infocommunications Engineering**
- **International Program of Maritime and Urban 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"> <li>• Fill out the prescribed “Application for Admission” form.</li> <li>• 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.</li> </ul>
② Admission Ticket for an Examination and Photo Card (Only for applicants who already reside in Japan)	<ul style="list-style-type: none"> <li>• Applicant’s name must be written on the prescribed form.</li> <li>• 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.</li> </ul>
③ Statement of Purpose	<ul style="list-style-type: none"> <li>• A Statement of Purpose of the applicant (no more than double-spaced, typed pages on A4 paper), stating their research proposal</li> </ul>
④ Certificate of (Expected) Graduation / Completion	<ul style="list-style-type: none"> <li>• A certificate or certified true copy of the last school applicants attended, specifying <u>both applicants’ degree and graduation year and month</u>.</li> <li>• The certificate must be the original document (not a copy).</li> </ul> <p>Notes:</p> <ol style="list-style-type: none"> <li>(1) Applicants whose last schools issue graduation (completion) certificates and degree certificates in separate sheets should submit both in the original forms.</li> <li>(2) Applicants who (are expected to) have master’s degrees should submit the original certificates of (expected) graduation/completion for both bachelor’s and master’s degrees.</li> <li>(3) The certificate must be written in English.</li> </ol>
⑤ Certified Academic Records	<ul style="list-style-type: none"> <li>• Certified Academic Records from the last school the applicant attended. The transcript should be the original document (not a copy).</li> </ul> <p>Note:</p> <ol style="list-style-type: none"> <li>(1) Applicants who already have master’s degrees should submit Academic Records for both bachelor’s and master’s degrees, certified by the universities the applicants attended.</li> <li>(2) The certified Academic Records must be written in English.</li> </ol>
⑥ Certificate of English proficiency	<ul style="list-style-type: none"> <li>• Attach TOEFL, TOEIC, IELTS, or 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.</li> <li>• 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.           <ul style="list-style-type: none"> <li>• <b>Biotechnology Global Human Resource Development Program for Industry-University-Co-Creation</b></li> <li>• <b>Chemical Science Course</b></li> <li>• <b>International Priority Graduate Program on Applied and Engineering Physics</b></li> <li>• <b>International Program of Maritime and Urban Engineering</b></li> </ul> </li> </ul>

Materials	Details
	<ul style="list-style-type: none"> <li>• Applicants who fall under the following cases do not need to submit an English test score.               <ol style="list-style-type: none"> <li>(1) Applicants whose first language is English.</li> <li>(2) Applicants who have graduated from a university or a graduate school located in an English speaking country.</li> <li>(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.</li> <li>(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.</li> </ol> </li> </ul> <p>&lt; On Sending TOEFL Official Score Report to the University &gt;            DI CODE for GSE-OU: <b>8690</b>            Name of Institution: <b>Osaka University - Graduate School of Engineering</b></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"> <li>• 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.</li> </ul>
⑧ Certificate of Citizenship (A4 size paper) (Only for non-Japanese applicants)	<ul style="list-style-type: none"> <li>• The applicant can submit a copy of the passport as well.</li> </ul>
⑨ Copy of applicant’s Residence Card (A4 size) (Only for applicants who already reside in Japan)	<ul style="list-style-type: none"> <li>• Required only for those who have a status of residence in Japan.</li> <li>• It must specify applicant’s residence status, period of stay, and current address.</li> </ul>
⑩ Abstract of Graduation Thesis	<ul style="list-style-type: none"> <li>• The abstract of the applicant’s graduation thesis or equivalent document, including figures etc.</li> </ul>
⑪ Receipt of Application Fee Payment (30,000 JPY)	<p>Refer P.13 (3. How to Pay the Application Fee) for payment procedures.            *Not required for those who has been officially recognized by the Japanese Government (MEXT) as a MEXT Scholarship student.</p> <p>Note: If applicants are unable to pay through the Payment System due to a compelling reason, please contact the Admission Section well in advance.</p>

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]

① Winter Exam . . . **October 11 to November 12, 2021 3:00 p.m. (Japan time)**

② Spring Exam . . . **April 11 to May 13, 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.

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

<b>(Club Station)</b>	<ol style="list-style-type: none"> <li>2. Enter the "Online settlement number* (11 digits)," click "next page"</li> <li>3. Verify "online settlement number," then click "next page"</li> <li>4. Check the displayed information and click "print"</li> <li>5. Take the receipt printed out of the terminal and make a cash payment at the cashier within 30 minutes</li> <li>6. Make sure that you receive "specification of payment"</li> <li>7. You may keep "specification of payment," and it is not necessary to submit it to us.</li> </ol>
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#### 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.

<b>Paying at ATMs of post offices/banks</b>	<ol style="list-style-type: none"> <li>1. Click "Pay tax/charge"</li> <li>2. Enter the "receiving company number (58021)," then click "checked."</li> <li>3. Enter the "customer number," then click "checked."</li> <li>4. Enter the "confirmation number," then click "checked."</li> <li>5. Check the displayed information and click "checked."</li> <li>6. Make a payment in cash or with a cash card. *</li> <li>7. Make sure that you receive "specification of payment."</li> </ol>
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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](mailto: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) Winter Exam

\* The following programs ~~do not conduct the Winter Exam.~~

- **Global Science and Engineering Course on Electrical, Electronic and Infocommunications Engineering**
- **International Program of Maritime and Urban Engineering**

#### 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 via an interview and / or academic examination, within the period from late November to early December 2021.

#### ② The examinees' numbers 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) **on December 10, 2021 2:00 p.m. (Japan time)**.

<[https://www.eng.osaka-u.ac.jp/en/entrance/f\\_admissions/](https://www.eng.osaka-u.ac.jp/en/entrance/f_admissions/)>

### (2) Spring Exam

\* Laboratories of Department of Applied Physics at “International Priority Graduate Program on Applied and Engineering Physics” does not conduct the Spring Exam. Applicants must ensure that if your Lab will conduct the Spring Exam or not. Please be sure asking to your prospective supervisor at Osaka University.

#### 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 via an interview and / or academic examination, within the period from late May to early June 2022.

#### ② The examinees' numbers 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) **by the end of June 2022**.

<[https://www.eng.osaka-u.ac.jp/en/entrance/f\\_admissions/](https://www.eng.osaka-u.ac.jp/en/entrance/f_admissions/)>

## 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

October 1, 2022

\*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 November 11, 2021 for the Winter Exam or by May 19, 2022 for the Spring 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