

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

**[Enrollment in October 2019]**

## **For Privately Financed International Students**

The Osaka University Graduate School of Engineering (GSE) offers the special programs, which are conducted in English. Each program consists of a master's course followed by a doctoral course to be admitted by a special selection for internal applicants. Students are expected to enroll in both courses sequentially to obtain both the master's and doctoral degrees.

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

## 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) In the first semester of the doctoral program, students will take the Advanced Research Proposal Course. This course is designed to prepare students as research scientist with the ability to propose original research plans independently, so that they can complete their doctoral dissertation. In this course, each student will propose a research plan in a field different from their own, make a presentation, and have discussions with members of faculty, and doctoral program students of the related fields to gain diversified/multiple perspectives. During the period of the doctoral program, the students will devote themselves to Special Research while expanding their knowledge by taking the Advanced Biotechnology Exercise and Advanced Biotechnology Seminar courses.
- (6) For Special Research in the master's and doctoral programs, each student will choose one laboratory among Bioenvironmental Science (Watanabe Lab.), Cell Technology (Muranaka Lab.), Bioprocess Systems Engineering (Kino-oka Lab.), Biore-source Engineering (Fukusaki Lab.), Macromolecular Biotechnology (Uchiyama Lab.), Biochemical Engineering (Omasa Lab.), Biomolecular Science and Engineering (Nagai Lab.), and Applied Microbiology (Fujiyama Lab.). Students can change their laboratory after completion of the master's program, if they wish to do so.
- (7) Improving Japanese skill is also required during the course. N4 level Japanese Language Proficiency Test is required for obtaining the master's degree and N3 level is required for obtaining the doctoral degree.

### **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; N4 level certificate of the Japanese Language Proficiency Test; acceptance of the master's thesis by the faculty; and passing of the final examination of the course.
- ② Degree: Master of Engineering

#### (2) Doctoral Program

- 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 certificate of the Japanese Language Proficiency Test; successful defense of doctoral dissertation and passing of the final examination of the program.
- ② Degree: Doctor of Philosophy in Engineering

### **4. Admission Quota**

10

### **5. Program Website**

[http://www.bio.eng.osaka-u.ac.jp/gh\\_resour\\_prog/index.html](http://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 Re-search; 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 of “Quantum Engineering Design Course”

## 1. Program Summary

The aim of this program is to equip a new generation of young scientists with fundamental knowledge and cutting-edge research skills to realize quantum engineering design.

## 2. Important Program Features

- (1) All students will conduct research under the academic supervision and instruction of a professor or an associate professor.

Each student will choose one research theme from the following categories:

- ① Creation of Frontier Mathematical Methods'
- ② Elucidation of Emergent Material Function
- ③ Realization of New Generation Functional Materials

- (2) The following are some of the lectures and seminars offered in the master's course:

Solid State Physics  
Surface and Interface Science  
Topics in Quantum Simulation  
Design of Functional Materials and Composites  
Tutorials on Computational Nano-materials Design I  
Tutorials on Computational Nano-materials Design II  
Molecular Electronic Engineering  
Plasma Engineering for Nano Technologies  
Theoretical Materials Science  
Solid State Theory I  
Analytical Dynamics  
Electron Beam Nano Imaging  
Molecular Reaction Dynamics I  
Semiconductor Physics  
Selected Topics in Quantum Physics of Solids  
Special topics of extremely high precision machining  
Advanced Computational Mechanics  
Advanced Theoretical Solid Mechanics  
Fusion Physics  
Atomically Controlled Surface Processing  
Optical Micro-measurement on Mechanical Engineering  
Quantum Metrology  
Nuclear Reactor Control  
Reactor Physics  
Ultrasonic Technologies  
Quantum Engineering Design Seminar I  
Quantum Engineering Design Seminar II  
Quantum Engineering Design Seminar III  
Quantum Engineering Design Seminar IV  
Quantum Engineering Design Seminar V  
Quantum Engineering Design Seminar VI

(3) The following are some of the lectures and seminars offered in the doctoral course:

- Special Topics in Solid State Physics
- Advanced Surface Physics
- Computational Physics
- Advanced Technological Innovation
- Tutorials on Computational Nano-materials Design III
- Tutorials on Computational Nano-materials Design IV
- Advanced Integrated Electronics Engineering
- Materials Science, Adv.
- Overview of Ultra Precision machining
- Atomically Controlled Materials Processing
- Quantum Engineering Design Seminar for Advanced Researches I
- Quantum Engineering Design Seminar for Advanced Researches II
- Quantum Engineering Design Seminar for Advanced Researches III
- Quantum Engineering Design Seminar for Advanced Researches IV
- Quantum Engineering Design Seminar for Advanced Researches V
- Quantum Engineering Design Seminar for Advanced Researches VI

### **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**

10

### **5. Program Website**

<http://www.dyn.ap.eng.osaka-u.ac.jp/QEDC/home.html>

# Global Science and Engineering Course on Electric, Electronic and Information Technology

## 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 information technology through 20 intensive courses given by over 40 professors in the fields of Electrical Engineering, Information and Communications Technology, and Electronic Engineering. 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 Information 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 electronic engineering is normally expected to take minimum eight courses during the first year chosen from such topics as Surface Diagnostics, Optoelectronics, Semiconductor Physics, Neuro-system Engineering, and many more.
- (5) Doctoral courses on Electrical Engineering, Information and Communications Technology, and Electronic Engineering can be taken only in English after completing the Global Science and Engineering Course on Electric, Electronic and Information Technology 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 4 credits; satisfactory performance in Qualification Test Part I; defense of the doctoral dissertation; and passing of Qualification Test Part II of the program.
- ② Degree: Doctor of Philosophy in Engineering

### **4. Admission Quota**

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### **5. Program Website**

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

## 6. Application Requirements

(The following items are common to the all program)

- (1) Citizenship and residence status: This advertisement 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 change their residence status to “Student” prior to enrollment may apply.  
**For “Chemical Science Course” and “Global Science and Engineering Course on Electric, Electronic and Information Technology”**, those with Japanese nationality are eligible to apply for the examination as well.
- (2) Educational background : Applicants must fulfill one of the following qualifications:
  - ① The applicant has graduated, or is expected to graduate by September 30, 2019, 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, 2019.
  - ③ The applicant is no younger than 22 years of age as of September 30, 2019, 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 (2)).
- (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.

Notes:

- (1) Admission will be revoked if arrival in Japan by the designated date is unavailable.
- (2) 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 October 5, 2018 for fall examination or April 12, 2019 for spring examination.  
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.

## 7. Application Procedure

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.

[Laboratories at the GSE] <http://www.eng.osaka-u.ac.jp/ja/department/?lang=2>

(1) Period of Application

- ① Examination in Fall • • • **October 19 to November 15, 2018 4:00 p.m. (Japan time)**
- ② Examination in Spring • • • **May 1 to May 24, 2019 4:00 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.

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

※Global Science and Engineering Course on Electric, Electronic and Information Technology does not conduct examination in fall.

(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: +81-6-6879-7226

## (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 three 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 certificate from the last school the applicant attended. The certificate should be the original document (not a copy).</li> </ul> <p>Notes:</p> <ol style="list-style-type: none"> <li>(1) 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>(2) Applicants whose last schools issue graduation (completion) certificates and degree certificates in separate sheets should submit both in the original forms.</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: 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.</p>
⑥ Certificate of English proficiency	<ul style="list-style-type: none"> <li>• Attach TOEFL, TOEIC, IELTS, CPE or equivalent English test scores as certification. (*Global Science and Engineering Course on Electric, Electronic and Information Technology accepts only TOEFL, TOEIC, IELTS, or CPE test score.) The test score should be the original document (not a copy).</li> <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 start out with <b>“To the President of Osaka University”</b> and be written by the academic supervisor of the university the applicant attended, the employer if the applicant works, or the current supervisor.</li> <li>• The letter should be submitted or be sent to the Admission Section, GSE-OU.</li> </ul>

Materials	Details
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) (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.14 (8. How to Pay the Application Fee) for payment procedures. *Not required for those who will enroll as a Japanese Government (MEXT) Scholarship student. 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.~~

## 8. How to Pay the Application Fee

### (1) Before Using the Payment System

#### ① Check Your Device

Please make payment through the Internet by using a computer. The system may not be compatible with smartphones, tablets or cell phones. Please prepare a computer which meets the following conditions. In case you don't have your own computer, please use one in your school, acquaintance's house, etc.

##### ▼ Browser Minimum Requirements

Please make sure to use the latest version of your internet browser.

[Windows] Internet Explorer11、 Google Chrome、 Mozilla Firefox、 Microsoft Edge

[Mac] Safari、 Google Chrome、 Mozilla Firefox

##### ▼ Browser Specifications

JavaScript must be enabled.

Cookie must be enabled.

##### ▼ Other requirements

In order to ensure compatibility for viewing PDFs, please use Adobe Reader version 11.0 or above.

※Recommended screen resolution is 1024 pixels and above.

#### ② Prepare a Printer

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.

#### ③ 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 your entrance examination ends because important notices about the entrance examination from university will be sent to the address. Also, please ensure that you can receive emails from "@comappjapan.com."

#### ④ Confirm Payment Method

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

Please confirm the payment procedure (available financial institutions, amount limit, etc.) beforehand because each method has its own restriction and instructions.

#### ⑤ Prepare 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://osaka-u-afp.comappjapan.com/>**

#### ① User Registration

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

After registering the ID, instructions for setting up password will be sent to the registered email address.

#### ② Input Basic Information

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

#### ③ Input Information about Application

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

#### ④ Confirm Application Contents

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

<Note>

The information input at "②Input Basic Information" and "③Input Information about Application" 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

#### ① Application Fee 30,000 Japanese yen

※System operation fee (600 Japanese yen) will be charged separately.

#### ② Choose 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	<b>【Exam in Fall】</b> Oct 19, 2018, 10:00 a.m. ~Nov 16, 2018, 4:00 p.m.  <b>【Exam in Spring】 :</b> To be announced  *Japan time	The credit card holder's name does not need to match the applicant's name.
Convenience Store • LAWSON • FamilyMart • Circle K Sunkus • Daily Yamazaki • Yamazaki Daily Store • MINISTOP • Seicomart		Only for applicants who reside in Japan.
Bank  Banks which offer the Pay-easy service (※)		Only for applicants who reside in Japan. The account 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] ⇒ [Top Page] ⇒ [Application Record]⇒ [Restart]

⇒ [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) The applicant paid an application fee but was judged unqualified for application.
- (b) Application documents arrived after the application deadline and were refused.
- (c) There were deficiencies in the application documents, and therefore were not accepted.
- (d) The applicant paid an application fee but did not apply.
- (e) The applicant paid their application fee twice by mistake.

※To Request a Refund of Application Fee

Applicants who meet at least one of the above conditions will receive an email which gives the instructions to request a refund. The email will be sent to the registered email address. Please follow the instructions and complete a request for a refund.

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.

## 9. Selection and Announcement of the Results

(1) For those who will apply for entrance examination in Fall 2018

※Global Science and Engineering Course on Electric, Electronic and Information Technology does not conduct examination in fall.

- 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 who do reside in Japan:  
Screening will be conducted via an interview and academic examination, within the period from the end of November to the beginning of December 2018.
- 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  
<[http://www.eng.osaka-u.ac.jp/en/entrance/f\\_admissions.html](http://www.eng.osaka-u.ac.jp/en/entrance/f_admissions.html)> **on December 14, 2018 2:00 p.m. (Japan time)**

(2) For those who will apply for entrance examination in Spring 2019

- 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 who do reside in Japan:  
Screening will be conducted via an interview and academic examination, within the period in early June 2019.
- 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  
<[http://www.eng.osaka-u.ac.jp/en/entrance/f\\_admissions.html](http://www.eng.osaka-u.ac.jp/en/entrance/f_admissions.html)> **by the end of June 2019.**

## 10. 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.

## 11. Semester Starting Date

October 1, 2019

※The classes may start at a later date.

## 12. 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 15, 2018 (fall) or by May 24, 2019 (spring).
- (5) On-campus parking spaces for cars and motorcycles are not available on the day of examination. Use of public transporta-

- tion 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.

### 13. 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.

### 14. Inquiries and Further Information

Admission Section  
Student Affairs Division  
Graduate School of Engineering  
Osaka University  
2 - 1 Yamadaoka, Suita,  
Osaka 565-0871, JAPAN  
Telephone: +81-6-6879-7226  
Facsimile: +81-6-6879-7229  
E-mail: iso-staff@eng.osaka-u.ac.jp