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

[Enrollment in October 2020]

For Students who complete Master's Degree
of one of the following programs in September 2020

Graduate School of Engineering, Osaka University

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

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

1. Program Summary

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

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

(1) Requirements for completion of the course: completion of Seminar on Frontier Research Proposal to acquire two compulsory credits; completion of Courses of Frontier Biotechnology Exercises and Frontier Biotechnology Seminars to acquire a minimum of four credits; completion of Special Research; N3 level 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

3. Admission Quota

Max. 20

Chemical Science Course

1. Program Summary

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

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

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 six credits; satisfactory performance in the mid-term review of the Special Research; successful defense of the doctoral dissertation; and passing of the final examination of the program.
2. Degree: Doctor of Philosophy in Engineering

3. Admission Quota

A few

International Priority Graduate Program on Applied and Engineering Physics

1. Program Summary

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

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

(1) Requirements for completion of the course:

① earn no less than six total academic credits

② completion of the Special Research

③ defense the doctoral dissertation and passing the final examination of the course

(2) Degree: Doctor of Philosophy in Engineering

3. Admission Quota

A few

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

(1) Requirements for completion of the program: Completion of lectures and seminars corresponding to no less than 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

3. Admission Quota

A few

■ 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 by September 30, 2020.
- ・Biotechnology Global Human Resource Development Program
- ・Chemical Science Course
- ・International Program of Maritime and Urban Engineering
- ・International Priority Graduate Program of "Quantum Engineering Design Course"

(2) Health: Applicants must be physically and mentally healthy enough to pursue study at university.

2. Application Procedures

Note:
Every applicant must find, well in advance, a supervisor suitable for the research field in which the applicant is interested, and contact him/her by email to confirm whether the field is adequately fitting to his/her laboratory.
[Laboratories at the GSE] http://www.eng.osaka-u.ac.jp/ja/department/?lang=2

(1) Application Period・・・**July 6 to July 17, 2020 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) Application Materials

Materials	Details
(1) Application Form	・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	・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)	・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) Applicants who are expected to complete Double Degree Master Program in Biotechnology require additional application materials to submit. For more details, please contact to the Admission Section well in advance.

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, an interview and academic examination will be conducted from mid-August to the end of August.
① a written examination (major subject, foreign language, etc.) and
② an interview focusing on the knowledge of major subject as well as master's thesis.

(2) The examinee's number of successful applicants will be posted on the Graduate School Admissions page <http://www.eng.osaka-u.ac.jp/en/entrance/f_admissions.html> **by the middle of September 2020.**

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

October 1, 2020
※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 in 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
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