

Enrollment for April 2023/October 2022

Graduate School of Engineering,
Hokkaido University

【International Student Entrance Examination】

Application Guideline for Master's Course

■ Students Openings for International Applicants

Application Guidelines for April Enrollment 2023

Division	Student Openings	Division	Student Openings
Applied Physics	several	Architectural and Structural Design	several
Energy and Environmental Systems	several	Human Environmental Systems	several
Quantum Science and Engineering		Environmental Engineering	several
Field Engineering for the Environment	several	Sustainable Resources Engineering	several
Engineering and Policy for Sustainable Environment	several	Cooperative Program for Resources Engineering	several

Application Guidelines for October Enrollment 2022

Division	Student Openings	Division	Student Openings
Applied Physics	several	Architectural and Structural Design	several
Materials Science and Engineering	several	Human Environmental Systems	several
Energy and Environmental Systems	several	Environmental Engineering	several
Quantum Science and Engineering		Sustainable Resources Engineering	several
Field Engineering for the Environment	several	Cooperative Program for Resources Engineering	several
Engineering and Policy for Sustainable Environment	several		

Depending on future social conditions related to the novel coronavirus infections, the examination may be conducted in a manner that differs from those described in this guideline. Please check the following sites for the latest entrance examination information.

Graduate School of Engineering
<https://www.eng.hokudai.ac.jp/graduate/examinfo/>

[Important] Notes on application

When applying for the international student entrance examination, it is strongly recommended that you contact a prospective supervisor, and get acceptance for the research plan in advance.

Please note that if you do not get an acceptance, you may not be able to join the desired laboratory after enrollment.

Please confirm the faculty members of graduate school of engineering on our homepage (<http://www.eng.hokudai.ac.jp/graduate/>).

Table of Contents

Goal of Education and Admission Policy.....	1
Application Guidelines for April Enrollment 2023	
1. Application Qualifications.....	2
2. The Preliminary Screening of Qualifications	3
3. Application method	4
4. Application Materials	5
5. Foreign Language Examination	7
6. Exam Date and Location.....	9
7. Announcement of Exam Results.....	9
8. Enrollment Fee and Tuition.....	9
9. English Engineering Education Program (e ³)	9
10. Long-Term Study System	9
11. Precautions	9
12. Privacy Policy	10
13. Request about the result of your exam performance.....	10
14. Other	10
15. Examination	
• Division of Applied Physics.....	11
• Division of Materials Science and Engineering	11
• Examination category of Applied Quantum Science and Engineering (Division of Energy and Environmental Systems, Division of Quantum Science and Engineering)	12
• Division of Field Engineering for the Environment	13
• Division of Engineering and Policy for Sustainable Environment.....	13
• Division of Environmental Engineering.....	13
• Division of Architectural and Structural Design	14
• Division of Human Environmental Systems.....	14
• Division of Sustainable Resources Engineering	15
• Cooperative Program for Resources Engineering.....	15
Application Guidelines for October Enrollment 2022	16
Application Qualifications and Procedures for Long-Term Study	18

Goal of Education and Admission Policy

- Goal of Education

The goal of Hokkaido University Graduate School of Engineering is to inherit academic achievements accumulated over human history and to advance science and technology beyond past achievements, and thereby, to nurture individuals with a solid education background and advanced technical skills over diverse engineering fields and with the ability to adapt to globalization, ongoing advancements in science and technology, the trend toward interdisciplinary research, and who can think, decide and respond to practical challenges.

- What we look for in a student

Master's Program

- (1) Students who have a wide range of education and specialized knowledge of science and technology from a broad perspective, and who have the thinking and decision-making skills necessary to solve problems.
- (2) Students with communication ability to enable mutual understanding with people from all over the world.
- (3) Students who are motivated to continuously acquire and improve the above knowledge and abilities.
- (4) Students who are willing to think about and solve various problems that arise in society.

Students are expected to have acquired before entering the Master's Program academic skills and ethics required to study and conduct research in their field of specialization.

- Basic Policy for Selection of Applicants

The Graduate School of Engineering selects individuals of any nationality who have graduated from a specialized field of science and engineering and intend to obtain a master's or doctoral degree in the field of engineering, as well as qualified individuals who intend to obtain a doctoral degree while working after completing their undergraduate or master's degree.

- Entrance Examination for Master's Program (International Student Entrance Examination)

In the entrance examination for the Master's Program, proficiency in basic and specialized subjects in each major is assessed through a written examination, and research ability and willingness to tackle research problems are evaluated through an oral examination. Foreign language proficiency is evaluated by referring to scores of external examinations submitted at the time of application.

Application Guidelines for April Enrollment 2023

1. Application Qualifications

a. Nationality

1. Non-Japanese nationals
2. Those who have/will obtain the Japanese residence status “student” by the time of enrollment

b. Educational Qualifications

- (1) Individuals who have graduated or expect to graduate from a university by March 2023.
- (2) Individuals who have been awarded a degree by the National Institution for Academic Degrees and Quality Enhancement of Higher Education or who expect to be awarded such a degree by March 2023.
- (3) Individuals who have completed or expect to complete 16 years of school education in a foreign country by March 2023.
- (4) Individuals who have completed or expect to complete 16 years of school education of a foreign country in Japan by taking a correspondence course offered by a foreign school by March 2023.
- (5) Individuals who have completed a foreign university’s coursework at an educational institution in Japan that is positioned within the school education system of that foreign country as an educational body with a university course (The completion of the coursework has to be considered equivalent to the completion of 16 years of school education in that foreign country. In addition, the educational institution is required to be designated by the Japanese Minister of Education, Culture, Sports, Science and Technology.)
- (6) Individuals who have been awarded the equivalent of a bachelor’s degree based on the completion of a course with a study period of at least three years*¹ at an overseas university or educational institution*², or expect to be awarded such a degree by March 31, 2023.
 - *1: Including those who have completed a correspondence course provided by an overseas educational institution while residing in Japan, and those who have completed a course at an educational institution designated by the Japanese Minister of Education, Culture, Sports, Science and Technology within the school education system of the relevant country
 - *2: Institutions whose educational/research programs and status are accredited by the government of the home nation or a relevant organization, or institutions designated as equivalent thereto by the Japanese Minister of Education, Culture, Sports, Science and Technology
- (7) Individuals who have completed a specialized course at a specialized training college on or after the date determined by the Japanese Minister of Education, Culture, Sports, Science and Technology (The course is required to be designated by the minister, and the course term needs to be four years or more). Also, the course has to meet other standards established by the minister.
- (8) Individuals designated by the Minister of Education, Culture, Sports, Science and Technology (1953 Notice No. 5, Ministry of Education, Science and Culture).
- (9) Individuals who have attended a university for three years or more or individuals who correspond to one of the following:
 - Those who have completed 15 years of school education in a foreign country.
 - Those who have completed 15 years of school education of a foreign country by taking a correspondence course in Japan offered by a school of that foreign country.
 - Those who have completed a foreign university’s coursework at an educational institution in Japan that is positioned within the school education system of that foreign country as an educational body with a university course (The completion of the coursework needs to be considered equivalent to the completion of 15 years of school education in that foreign country). In addition, the educational institution is required to be designated by the Japanese Minister of Education, Culture, Sports, Science and Technology.Furthermore, all individuals who apply to this qualification need to be deemed by the graduate school to have achieved excellent grades in the prescribed subjects (hereinafter referred to as “individuals who apply through the early admission system”).
- (10) Applicants who are recognized by the graduate school as possessing the equivalent or greater academic skill as that of a university graduate based on an individualized admission qualification investigation and who will be 22 years of age as of March 31, 2023 (hereinafter referred to as “individuals who apply through an individualized admission qualification investigation”).

2. The Preliminary Screening of Qualifications

Period of the Preliminary Screening of Qualifications

◇Application registration on the Internet Application Site

May 9(Mon.) 2022, 10:00 am – May 13 (Fri.) 2022, 5:00 pm

◇Submission of application documents

May 9(Mon.) 2022, 10:00 am – May 13 (Fri.) 2022, 5:00 pm

※The application documents must reach us no later than May 13.

We will conduct a preliminary screening of qualifications before accepting applications from (9) individuals who apply based on the overseas equivalent of a bachelor's degree, and (10) individuals who apply through an individualized admission qualification investigation.

Within the above period, please complete online application in accordance with “3. Application Method”. After registering the application, prepare the application materials (see p.5) excluding the application form and resume, and submit the application documents described in 3. Application Method”. Please submit to the submission address.

① Application Documents for Screening of the Preliminary Screening of Qualifications

You should be sure to submit the documents indicated below along with the materials in section “Application Materials”(p.5) between 8:30 am to 5:00 pm weekdays Japan time. Please make sure that the application for the preliminary screening of qualifications has names and seals of your expected supervisor and the division head.

Qualification	Material
(9) Individuals who apply through the early admission system	<ul style="list-style-type: none"> ○Application for the preliminary screening of qualifications (Download from our website: http://www.eng.hokudai.ac.jp/graduate/). ○Student Registration Certificate (Not required for those who graduate from School of Engineering, Hokkaido University)
(10) Individuals who apply through an individualized admission qualification investigation	<ul style="list-style-type: none"> ○Application for the preliminary screening of qualifications (Download from our website: http://www.eng.hokudai.ac.jp/graduate/). * Graduates of a national college of technology or junior college, graduates of a specialized training college or other types of schools, graduates of Japanese branch schools of foreign universities or foreign schools, or others who have not graduated from a university must have the followings: <ul style="list-style-type: none"> ·Certificate of graduation from the last school attended ·Transcript from the applicant's high school and last school attended ·Document issued by your immediate supervisor verifying your practical experience and indicating any studies and research conducted after graduation from the last school attended (unspecified format) ·A summary of the studies and research conducted thus far and a research plan for your graduate school studies after enrollment (for those who qualified with (9) approximately 800 words, unspecified format)

② Results announcement

The results will be notified by e-mail on June 6(Mon.) 2022. Qualified applicants shall pay the examination fee from the Internet Application Site within the “Payment period of the examination fee” described in “3.Application Method”. If the examination fee is not paid within the specified period, your application will not proceed for admission. We only accept the documents from applicants who made a payment during the period.

After paying the examination fee, download the application form (PDF) from the website and send the PDF file to the contact email address (k-gakuin@eng.hokudai.ac.jp).

If you do not receive a notification of the preliminary screening result by June 10(Fri.), please make sure that it is not in a spam mailbox and contact us.

3. Application method

Application to our graduate school is completed when all of the following steps have been completed; these have been filed within the designated period, ① Registration on the online application site (<http://e-apply.jp/e/hokudai-eng>), ② Payment of the examination fee, ③ Submission of application documents.

◇Period of the online application registration and the examination fee payment

June 13(Mon.) 2022, 10:00 am – June 24(Fri.) 2022, 5:00 pm

◇Examination fee

30,000Yen

◇Period of Submission of application documents

June 20(Mon.) 2022 – June 24(Fri.) 2022

Application is only accepted by mail. Documents are valid postmark until June 24.

※For international mail, we will confirm the date of shipment with a tracking number.

◇Submission address

Academic Affairs Division, Graduate School of Engineering,

Hokkaido University

Kita 13, Nishi 8, Kita-ku, Sapporo, Hokkaido, 060-8628

Tel: +81 (0)11-706-6121

① Online application

All the applicants are required to register through the online application site (<https://e-apply.jp/e/hokudai-eng>). You can also access the online application site from our website (<https://www.eng.hokudai.ac.jp/graduate/>).

② Payment of the examination fee

Applicants are required to pay by a credit card through the examination fee website (<http://e-apply.jp/e/hokudai-eng>) during the application period. Applicants are required to pay 500 yen for the transaction fee in addition to the examination fee.

If you are currently residing in Japan, you can also pay through a convenience store.

Please note that you cannot pay at post offices or banks.

For details on payment methods, see the Internet application site.

Please note that the examination fee is non-refundable for any cases. However, refunds will be made only in the following cases.

① You did not apply for Hokkaido University (you did not submit the application documents or the application was not accepted)

② The examination fee is paid more than once by mistake

(Note) MEXT scholarship student are exempted from paying the examination fee. After completing the

① online application, please send an e-mail to the Graduate School Section (k-gakuin@eng.hokudai.ac.jp) stating your current affiliation, student number, name and informing that you have completed the application registration.

(Note) If the application documents are not submitted within the application period, the application will not be accepted even if the examination fee has been paid, so please submit the application documents in advance.

③ Submission of application documents

After the payment of the examination fee, download the application form and resume (PDF) from the online application site, print them in color (Single-side printing), and submit them together with other application documents.

* Please note that you will not be able to download the application form and resume until the payment of the examination fee is completed.

When mailing the application documents, please be sure to attach the mailing address label attached to the 4th downloaded PDF file to the mailing envelope and send it by registered mail.

4. Application Materials

	Required Documents	Remarks
1	Check List	•Download a format from our school website
2	Application form, Resume	•A PDF file that can be generated after completing the online application must be printed in color on A4 size paper. •If you change your contact information after applying our graduate school, please contact the Graduate School Affairs Division.
3	Photograph for Admission Ticket	•Upload it to the online application site. Note that once it is uploaded upside down, it cannot be changed, so be careful of the orientation of the photo when uploading. •The photo should be of the upper half of body with no hat, facing the front, and taken with in the past 3 months. Photo size must be 1MB or more and 3MB or less.
4	Envelope for the Admission Ticket	•Prepare an envelope (120mm x 235mm). •Download the “Label for admission ticket” from our website and print it in color. •Please write your postal code, address, your name and division you apply. Also, please seal 354 yen stamp on the envelope.
5	Envelope for the Results Notification	•Prepare an envelope (240mm x 332mm). •Download the “Label for results notification” from our website and print it in color. •Please fill out your postal code, address (Laboratory not available), name and division you apply. No need to attach stamps.
6	Transcript of Bachelor’s course	•For details, refer to p.6 “Transcripts and graduation (expected) certificates”
7	Certificate of (expected) Graduation	•For details, refer to p.6 “Transcripts and graduation (expected) certificates”
8	Recommendation letter	•The letter shall be provided by your supervisor in the most recently graduated /expected to graduate program. Not required for those who graduate from School of Engineering, Hokkaido University. •Research student at the Faculty of Engineering, Hokkaido University can submit a copy of the recommendation letter submitted at the time of application for research students.
9	Photocopy of Residence Card	•Foreign residents who are not currently living in Japan or those who have not been in Japan for more than 60 days should submit a photocopy of their passport.
10	Reason for Application	•Download a format from our school website
11	Documents to Prove English Proficiency	•For details, refer to “5. Foreign Language Examination”
12	Choice of Laboratory	•Download a format from our school website
13	【Materials Science and Engineering only】 Research Project Plan	•Approximately 1000 words in any format

◇ Transcripts and Graduation (expected) certificates

Document requirement is different for applicants who graduated (or expected graduate) from Chinese university and non-Chinese university.

a. Transcripts

<Applicants who graduated/ are expected to graduate from a university in any country /region other than China >

- Not required for those who graduate from School of Engineering, Hokkaido University
- If the transcript is issued in a language other than English, please submit the original transcript in your native language and the original English translation certified by an issuing institution or public notary.

<Applicants who graduated/ are expected to graduate from Chinese University>

- Please go to the website CHSI (<https://www.chsi.com.cn/en/>), and apply for verification report of transcript in English.
- The approved transcript is valid only when it is directly sent from CHSI to graduate school of engineering (k-gakuin@eng.hokudai.ac.jp) by the deadline of submission of application documents.
- Please apply for it well in advance as it may take one to two months.

b. Graduation (expected) certificates

<Applicants who graduated/ are expected to graduate from a university in any country /region other than China >

- Not required for those who graduate from School of Engineering, Hokkaido University or not required of applicants who fulfill application qualification (9).
- Applicants who fulfill the application qualification (2) must submit a degree issued by the National Institution for Academic Degrees and Quality Enhancement of Higher Education.
- If the certificate is written in a language other than English, please submit the original certificate in your native language and the original English translation certified by an issuing institution or public notary.
- Submission of a copy of the diploma is acceptable.

◇Applicants who are expected to graduate:

- Please prepare the most recent expected graduation certificate. It must show the expected month and year of your graduation.
- If your university does not issue an expected graduation certificate, please obtain a certificate of enrollment which shows the month and year of the enrollment and graduation.

<Applicants who graduated/ are expected to graduate from Chinese University>

◇Applicants who already graduated

- Necessary documents: Online verification diploma from CDGDC
- Please go to the website 中国教育部学位与研究生教育发展中心(CDGDC) <http://www.cdgdc.edu.cn/> and apply for online verification diploma in Chinese (English report is unavailable).
- After verification, print it out, and submit it.

◇Applicants who are expected to graduate

- Necessary documents: Online verification report of student record from CHSI
- Please go to the website CHSI (<https://www.chsi.com.cn/en/>), and apply for online verification report of student record (学籍在线验证报告) in English.
- After verification, print it out, and submit it.

5. Foreign Language Examination

① Foreign language test

The score of the foreign language examination (TOEIC, TOEFL, IELTS) submitted will be considered as the result of the foreign language examination. Therefore, English written examination will not be conducted.

Please submit one of the following documents.

Accepted Tests	Not Accepted Tests
TOEIC L&R Test	TOEIC IP, TOEIC Speaking & Writing Tests, TOEIC Speaking Test, TOEIC Bridge Test
TOEFL iBT, TOEFL iBT Special Home Edition	TOEFL ITP
IELTS (Academic)	IELTS (General training)

* Please note that submission of IELTS scores is not accepted for the Division of Applied Physics and the Division of Materials Science and Engineering.

Period of Validity of the tests

The test must be taken within the last three years from the date of entrance examination (August 23, 2022).

◆Important

Applicants who apply for the following divisions must have English scores that exceed one of the minimum scores.

〈Divisions〉

- Division of Field Engineering for the Environment
- Division of Engineering and Policy for Sustainable Environment

〈Minimum Score〉

- TOEIC L&R 460
- TOEFL iBT 48
- IELTS(Academic) 4.0

② Submission method

The submission method differs depending on the type of examination (TOEIC, TOEFL, IELTS). In any case, if the original score is not submitted by the application submission period, the score will not be recognized as a valid score.

【TOEIC Listening & Reading Test】

- Please submit the score sheet (Official Score Certificate) in unopened envelop from ETS together with other application documents at the application submission period.
- You are required to request the original Official Score Certificate to ETS even in a case that you can get the Official Score Certificate online. Please keep in mind that once the envelop is opened, it is no longer considered as a valid certificate.

【TOEFL iBT】

- Institutional Score Report must be sent directly to Hokkaido University Graduate School of Engineering from ETS.

Institutional code: C519

- It may take some time to issue the score report, so please make sure to order it well in advance.
In addition, the score report is still accepted as an admission document even if it is delivered to us before submission of application documents.
- When the score report have been requested to send our office, please e-mail to “k-gakuin@eng.hokudai.ac.jp” stating that “I have requested to send a TOEFL score report to apply for an entrance examination”, and let us know the division you wish to apply for, the date of taking the TOEFL iBT test, and the date of requesting the original score report.
- We do not use MyBest score, use Test Date score only.

【IELTS (Academic module)】

- Test Report Form must be sent directly to Hokkaido University, the Graduate School of Engineering from IELTS center.
- It may take some time to issue the score sheet, so please make sure you have enough time.
In addition, the test report form is still accepted as an admission document even if it is delivered to us before submission of application documents.
- We do not use an electronic transmission system, so please choose to mail the original.
- When you have requested to send a test report form, please e-mail to “k-gakuin@eng.hokudai.ac.jp” stating that “I have requested to send a test report form to apply for an entrance examination”, and let us know the division you wish to apply for, the date of taking the IELTS test, and the date of requesting the original test report form.

◆Notes

- In case you have requested to issue the score report by May 23 (Mon.), 2022 but our office does not receive the score sheet by the submission period of the application documents, it will be considered as a valid score.
- You can submit only one score sheet even if you have obtained multiple types of scores.
- Submitted score sheets will not be returned.

③ International applicants who completed (or expected to complete) a degree in English

Submission of English score could be exempted if an applicant fulfills one of the following requirements.

- Applicants who are from a country where the first official language is English.
- Applicants who graduated (or expected to graduate) from a university for which the medium of instruction is English. Submission of the Medium of Instruction certificate is required to get exempted from submitting the English score report.

6. Exam Date and Location

① Exam Date

August 23 (Tue.) – 24 (Wed.), 2022

Please refer to p. 11-15 regarding the Examination date and time.

② Exam Location

The Graduate School of Engineering, Hokkaido University (Details to be announced the day before the examination at the entrance hall).

7. Announcement of Exam Results

Applicants can check their results through the “Graduate School of Engineering” website 16:00 pm on September 9 (Fri.). Later, all examinees will be notified of their results individually by post (or e-mail).

Information regarding the procedure for enrollment will be announced in the middle of February 2022.

8. Enrollment Fee and Tuition (estimated amount)

(1) Enrollment fee: 282,000 yen

(2) First semester tuition for 2023 enrollment: 267,900 yen (whole year: 535,800 yen)

- ① If any revision is made at the time of admission or while the student is enrolled, the new amount will apply as of the time of the revision.
- ② If the enrollment fee is not paid during the admission procedure period, the applicant will be considered as having no intent to enroll.
- ③ If tuition is not paid within the semester, the student will be expelled from the university. If you are having problems paying tuition due to financial hardship, you may be eligible for a tuition exemption (or deferent).

9. English Engineering Education Program (e³)

We have established the English Engineering Education Program (known as e³) in which students can earn a Master’s or Doctoral degree in English. Students who participate in this program take classes in English, and receive research guidance in English.

If a student who passes the entrance exam for the graduate school meets the English proficiency qualifications shown on the English program website, he/she is eligible to participate in the program.

e³ website: <http://www.eng.hokudai.ac.jp/e3/>

Those who would like to participate in the program should consult with their prospective academic advisor.

10. Long-Term Study System

The long-term study system was designed to accommodate individuals who have fewer hours to study or conduct research toward their degrees than ordinary students due to their jobs or similar circumstances and, would not be able to complete the program within the standard course term (two years for a Master’s course). If a student’s application for a long-term study system is reviewed and approved by the graduate school, the student will be able to complete his/her educational program over a fixed period of time.

For information regarding application qualifications and procedures, refer to p. 18.

To apply for the long-term study system, contact your prospective academic advisor in advance.

11. Precautions

- (1) Be sure to bring your examination admission ticket with you on the day of the examination.
- (2) Any incomplete applications are not acceptable. Please avoid any incorrect entries.
- (3) Please submit all materials during the application submission period. After the period, inquiry about missing documents cannot be received.
- (4) After you have applied, you cannot change your division of choice for any reason.
- (5) Submitted application is not returnable for any reason.
- (6) If any false description would be found in application documents, entrance approval may be cancelled.

12. Privacy Policy

- (1) All personal information collected by Hokkaido University will be completely protected in compliance with the Act on the Protection of Personal Information Held by Independent Administrative Agencies, etc., and other related acts and pursuant to the Hokkaido University Regulations on Personal Information Management.
- (2) Names, addresses, and other personal information provided to the university through application procedures will be used solely for ① enrollee selection (application processing and the screening process), ② the announcement of exam results, ③ admission procedures, ④ surveys and research on enrollee selection methods, and ⑤ related processes.
- (3) Some of these processes may be outsourced by the university to a contracted service provider (hereinafter referred to as “contractor”). All or some of the personal information provided by applicants may be provided to the contractor only as needed to perform the tasks for which it has been contracted.
- (4) Personal information obtained through application procedures will be used only for those who are admitted for ① school administration purposes (student registration, academic counseling, etc.), ② student support services (health management, scholarship applications, etc.), and ③ tuition and other administrative purposes. (Personal information of applicants for Cooperative Program for Resources Engineering will be used in Kyushu University for the purpose of ① and ②.)
- (5) Of the personal information described in item ④ above, only names and addresses will be used to facilitate communication with students from the Hokkaido University Frontier Foundation and organizations related to Hokkaido University, such as ① the Hokkaido University Athletic Union, and ② Hokkaido University Faculty of Engineering Hokkokai.

13. Request about the result of your exam performance

Applicants are entitled to the right to request the results of your exam if you choose. Request application period is from October 3 (Mon.) to October 14 (Fri.), 2022. For the details, please refer to the website of Graduate School of Engineering.

14. Other

- (1) An examination admission ticket will be sent in late July 2022 to those whose applications have been processed.
- (2) Depending on divisions, we may have a secondary call in February 2023.
- (3) Because applicants with physical handicaps may need special accommodations when taking exams and/or attending classes, they should notify Academic Affairs Division by June 24 (Fri.), 2022.
- (4) Some questions from the past exam in specialized subjects will be posted on our website.

◇Contact Information

Hokkaido University Graduate School of Engineering
Academic Affairs Section,
Kita 13, Nishi 8, Kita-ku, Sapporo,
Hokkaido, 060-8628
Tel: +81 (0)11-706-6121
k-gakuin@eng.hokudai.ac.jp
HP: <http://www.eng.hokudai.ac.jp/graduate/>

15. Examination

All examinations (writing, oral, and oral examinations) are conducted in English.

Division of Applied Physics

① Selection Method

Admission decisions will be made based on the exam results (written and oral) and a review of the application materials.

② Examination Date, Time and Subjects

Date	Time		Subject	Notes
Aug. 23 (Tue.), 2022	9 : 00~ 12 : 00	Written Examination	- Applied mathematics I (Ordinary differential equation, Partial differential equation, Fourier analysis, Laplace transform) - Mechanics - Electromagnetism	
	13 : 00~ 16 : 00	Written Examination	- Applied mathematics II (Vector calculus, Matrix, Complex analysis) - Thermodynamics and Statistical mechanics - Quantum mechanics	
Aug. 24 (Wed.)	13 : 00~ 18 : 00	Interview		

Division of Materials Science and Engineering

① Selection Method

Admission decisions will be made based on the results of oral examination, interview and a review of the application materials. The oral examination is conducted to check the basic knowledge of materials science, engineering and the research plan.

② Examination Date:

August 23(Tue.) to August 24(Wed.), 2022

Details such as time and the location of the test will be notified when the admission ticket is sent.

Examination category of Applied Quantum Science and Engineering

-Division of Energy and Environmental Systems

-Division of Quantum Science and Engineering

[Note]

Two divisions above call for applicants jointly. The applicable laboratories in this category belong to a part of Division of Energy and Environmental Systems and the all of Division of Quantum Science and Engineering.

The laboratory choices available are the followings,

- Laboratory of Nuclear Reactor Engineering
- Laboratory of Nuclear System and Safety Engineering
- Laboratory of Nuclear and Environmental Materials
- Laboratory of Quantum Beam Engineering for Materials Science A
- Laboratory of Quantum Beam Engineering for Materials Science B
- Laboratory of Applied Neutron Beam Science and Engineering
- Laboratory of Plasma Processing for Environmental Technologies
- Laboratory of Plasma Processing for Materials Engineering A
- Laboratory of Quantum Beam Science and Medical Engineering
- Laboratory of Plasma Application for Biotechnology
- Laboratory of Quantum Energy Conversion Materials
- Surface Structure and Properties

The number of available laboratories in these division is limited at the time of admission in October 2022, so those who wish to enroll in October should contact with the laboratory to which you wish to be assigned in advance.

① Selection Method

Admission decisions will be made based on the exam results (written and oral) and a review of the application materials.

② Examination Date, Time and Subjects

Date	Time	Subject	
Aug. 23 (Tue.), 2022	9 : 00~ 12 : 00	Specialized Subjects	- Applied mathematics
	13 : 30~ 16 : 30	Specialized Subjects	(Choose 3 questions from 3 subjects below, 3 questions each) - Electromagnetism - Material Science - Atomic physics and Nuclear reactor engineering
Aug. 24 (Wed.)	9 : 00~ 12 : 00	Interview	

For further information for each subject, please visit:

http://mech-hm.eng.hokudai.ac.jp/~mech/contents/entrance_ex.html

Division of Field Engineering for the Environment
Division of Engineering and Policy for Sustainable Environment
Division of Environmental Engineering

① Selection Method

Admission decisions will be made based on the exam results (written and oral) and a review of the application materials. Depending on the transcript, you may not need to take the written exam for specialized exam.

* Those who are exempt will be notified in late July.

② Examination Date, Time and Subjects

Date	Time	Subject		Notes
Aug. 23 (Tue.), 2022	9 : 00~ 12 : 00	Written Examination	-Math (3 questions): Linear algebra, Calculus, and Differential equations -Physics (3 questions): Dynamics and Thermodynamics -Chemistry (2 questions): Chemical bonding and molecular structures, Chemical equilibrium, and Chemical reaction kinetics	Answer 4 out of the 8 questions.
	13 : 00~ 16 : 00	Written Examination	Fluid engineering (2 questions) Structural mechanics (1 question) Soil mechanics (1 question) Rock mechanics (1 question) Concrete engineering (1 question) Mathematical method for planning (1 question) Geological basics(2 questions) Physical chemistry (2 questions) Microbial engineering (1 question) Thermodynamics (1 question) Reaction engineering (1 question) Separation engineering (1 question) Environmental statistics (1 question)	Answer 4 out of the 16 questions.
Aug. 24 (Wed.)	9 : 00~ 12 : 00	Interview		

Division of Architectural and Structural Design
Division of Human Environmental Systems

① Selection Method

Admission decisions will be made based on the exam results (written and oral) and a review of the application materials.

② Examination Date, Time and Subjects

Date	Time	Subject		Notes
Aug. 23 (Tue.), 2022	9 : 00~ 12 : 00	Written Examination	[Division of Architectural and Structural Design] Basics of architecture and structural design (structural mechanics, structural design, architectural materials and construction, architectural environment, architectural planning, history of architecture and cities, urban planning, and urban disaster management)	
			[Division of Human Environmental Systems] (1) Basics of architecture and structural design (Same as above), (2) Fundamental Environmental Engineering (Applied mathematics, Heat transfer engineering, Engineering thermodynamics, Environmental physiology, Thermal environmental engineering)	Choose 1 subject from 2 subject.
	13 : 00~ 16 : 00	Written Examination	[Division of Architectural and Structural Design] Structural and Urban Safety Design, Space Planning	Take the same subject as the title of course you would like to take in the division.
			[Division of Human Environmental Systems] Planning and Performance for Built Environment Building Science and Space Planning and Performance for Built Environment, Building Science and Space Planning	
Aug. 24 (Wed.)	9 : 00~ 12 : 00	Interview		

Division of Sustainable Resources Engineering Cooperative Program for Resources Engineering

- ① The applicants who can submit all application materials can apply for both Division of Sustainable Resources Environment and Division of Cooperative Program for Resources Engineering.

【About Cooperative Program for Resources Engineering】

The Cooperative Program for Resource Engineering is a collaborative education program between the Graduate Schools of Engineering of Hokkaido University and Kyushu University.

- (1) School registration: Applicant will enroll in one of the two universities, where his/her supervisor belongs to.
- (2) Utilization of school facilities: Students can use the facilities of both universities.
- (3) Co-supervisor: Students can receive the research supervision from an advisor (cosupervisor) from the other university.
- (4) Degree: Student will be awarded one degree recognized from both universities.

② Cautions for applicants to Cooperative Program for Resources Engineering

- (1) Entrance examination will be held at the university where you apply to. Please check carefully the examination schedules, contents and research topics of the university.
- (2) Home university: you will be enrolled in the university where you took the entrance examination. All the academic procedures required for campus life (enrollment fee, tuition, scholarships, course registration) should be done in your home university.
- (3) If you complete the admission procedure for one university in the cooperative program, you cannot apply for another university

③ Selection Method

Admission decisions will be made based on the exam results (written and oral) and a review of the application materials.

④ Examination Date, Time and Subjects

Date	Time	Subject		Notes
Aug. 23 (Tue.), 2022	9 : 00 ~12 : 00	Written Examination	-Math (3 questions): Linear algebra, Calculus, and Differential equations -Physics (3 questions): Dynamics and Thermodynamics -Chemistry (2 questions): Chemical bonding and molecular structures, Chemical equilibrium, and Chemical reaction kinetics	Answer 2 out of the 8 questions.
	13 : 00 ~16 : 00	Written Examination	Fluid engineering (2 questions) Structural mechanics (1 question) Soil mechanics (1 question) Rock mechanics (1 question) Concrete engineering (1 question) Mathematical method for planning (1 question) Geological basics(2 questions) Physical chemistry (2 questions) Microbial engineering (1 question) Thermodynamics (1 question) Reaction engineering (1 question) Separation engineering (1 question) Environmental statistics (1 question)	Answer 2 out of the 16 questions.
Aug. 24 (Wed.)	9 : 00 ~12 : 00	Interview		

Application Guidelines for October Enrollment 2022

It is not possible to change the admission period, so be careful when choosing the time of enrollment.

1. Application Qualifications

a. Nationality

1. Non-Japanese nationals
2. Those who have/will obtain the Japanese residence status “student” by the time of enrollment

b. Educational Qualifications

- (1) Individuals who have graduated or expect to graduate from a university by September 2022
- (2) Individuals who have been awarded a degree by the National Institution for Academic Degrees and Quality Enhancement of Higher Education or who expect to be awarded such a degree by September 2022
- (3) Individuals who have completed or expect to complete 16 years of school education in a foreign country by September 2022
- (4) Individuals who have completed or expect to complete 16 years of school education of a foreign country in Japan by taking a correspondence course offered by a foreign school by September 2022.
- (5) Individuals who have completed a foreign university’s coursework at an educational institution in Japan that is positioned within the school education system of that foreign country as an educational body with a university course (The completion of the coursework has to be considered equivalent to the completion of 16 years of school education in that foreign country. In addition, the educational institution is required to be designated by the Japanese Minister of Education, Culture, Sports, Science and Technology.)
- (6) Individuals who have been awarded the equivalent of a bachelor’s degree based on the completion of a course with a study period of at least three years¹ at an overseas university or educational institution², or expect to be awarded such a degree by September 30, 2022
 - 1: Including those who have completed a correspondence course provided by an overseas educational institution while residing in Japan, and those who have completed a course at an educational institution designated by the Japanese Minister of Education, Culture, Sports, Science and Technology within the school education system of the relevant country
 - 2: Institutions whose educational/research programs and status are accredited by the government of the home nation or a relevant organization, or institutions designated as equivalent thereto by the Japanese Minister of Education, Culture, Sports, Science and Technology
- (7) Individuals who have completed a specialized course at a specialized training college on or after the date determined by the Japanese Minister of Education, Culture, Sports, Science and Technology (The course is required to be designated by the minister, and the course term needs to be four years or more. [Also, the course has to meet other standards established by the minister.
- (8) Individuals designated by the Minister of Education, Culture, Sports, Science and Technology (1953 Notice No. 5, Ministry of Education, Science and Culture)
- (9) Individuals who have attended a university for three years or more or individuals who correspond to one of the following:
 - Those who have completed 15 years of school education in a foreign country
 - Those who have completed 15 years of school education of a foreign country by taking a correspondence course in Japan offered by a school of that foreign country
 - Those who have completed a foreign university’s coursework at an educational institution in Japan that is positioned within the school education system of that foreign country as an educational body with a university course (The completion of the coursework needs to be considered equivalent to the completion of 15 years of school education in that foreign country.) In addition, the educational institution is required to be designated by the Japanese Minister of Education, Culture, Sports, Science and Technology.Furthermore, all individuals who apply to this qualification need to be deemed by the graduate school to have achieved excellent grades in the prescribed subjects (hereinafter referred to as “individuals who apply through the early admission system”).
- (10) Applicants who are recognized by the graduate school as possessing the equivalent or greater academic skill as that of a university graduate based on an individualized admission qualification investigation and who will be 22 years of age as of September 30, 2022 (hereinafter referred to as “individuals who apply through an individualized admission qualification investigation”)

2. Precautions regarding admission time

Enrollment period is “October 2022”. However, only if the applicant wishes to apply for April enrollment and he / she specifically admits in the major to be taken, he / she may be admitted as “April 2023” instead of “October 2022”. is there.

* For other items, please refer to the application guidelines for April 2023.

◇Contact Information

Hokkaido University Graduate School of Engineering
Academic Affairs Section,
Kita 13, Nishi 8, Kita-ku, Sapporo,
Hokkaido, 060-8628
Tel: +81 (0)11-706-6121
k-gakuin@eng.hokudai.ac.jp
HP: <http://www.eng.hokudai.ac.jp/graduate/>

Application Qualifications and Procedures for Long-Term Study

1. Application Qualifications

Individuals applying for the long-term study system must fulfill one of the following requirements:

- (1) Individuals engaged in full-time employment, including those currently employed by government offices, companies, etc., (excluding those who are receiving salaries but are exempt from work) and those running their own businesses.
- (2) Individuals who are working at part-time jobs and are deemed by the graduate school to be adversely affected by their work, causing their graduate school studies to suffer.
- (3) Individuals who are raising children, caring for family members, or facing similar burdens on a par with that described in items above two and are deemed by the graduate school to be adversely affected by these circumstances, causing their graduate school studies to suffer.
- (4) Individuals who have visual impairments, hearing impairments, physical disabilities, or other disabilities and are deemed by the graduate school to be adversely affected by their disabilities, causing their graduate school studies to suffer for a long term.

2. Application Procedures

Individuals applying for the long-term study system must submit the following three documents along with their admission application. If you have any questions regarding application forms or application procedures, contact Academic Affairs Division.

- (1) Long-term study application and statement of reason
- (2) Study plan
- (3) Documents verifying the applicant's need for long-term study approval
- (4) Physically disabled certificate or medical certificate by the doctor. (Only the applicants who fall under 1.Application Qualifications (4)mentioned above must submit.)

3. Notification of Results

After the application is reviewed, a decision will be made to approve or reject the application. Applicants will be notified of the results in mid- September.

4. Duration of Study

Study periods for long-term study applicants are approved in one-year increments. A master's course applicant may be approved for a 3-year or 4-year term of study.

The academic year ends in September or March. Applicants should indicate on their long-term study application the number of years they would like to request for their long-term study plan.

5. Annual Tuition Amount

The annual tuition amount for a long-term study student will be the annual tuition amount multiplied by the standard term of study and divided by the number of years of long-term study for which that student is approved.

For details, contact Academic Affairs Division.

6. Shortening or Extending a Term of Study

If special circumstances arise, a long-term study student may request (only once) that his/her term of study be shortened or extended.

(1) Shortening term of study for Long-Term Study Students

If approval is granted to shorten a long-term period of study, the master's course will be shortened from four years to three years.

A student who wants to shorten his/her long-term study by one year must submit and receive approval for a request to change a long-term study term up to two years prior to the day his/her long-term study is scheduled to end.

(2) A long-term study student may extend his/her term of study.

A student who wants to extend his/her long-term study by one year must submit and receive approval for a request to change a long-term study term up to one year prior to the day his/her long-term study is scheduled to end. The term of study for a master's course may not be extended beyond four years.

(3) If a term of study is shortened or extended, the tuition will be recalculated accordingly, and any shortages or overages will be adjusted over the term of study, but no reimbursements will be made of any tuition already paid to the university.

7. Other

If you have any questions regarding procedures, contact Academic Affairs Division.