

2025 Academic Year

Application for Spring Enrollment in Master's Program

(for entry in April 2025)

Special Selection Program for Working Adults

Special Selection Program for Foreign Students

October 2024

Graduate School of Engineering, Tohoku University

○ Admission Policy

The Tohoku University Graduate School of Engineering aims to develop researchers who think for themselves and carry out research with ethical standards and courage to realize a safe, secure, and prosperous society, and who can play a role in developing and innovating future science and technology with abundant creativity and research capability, based on profound knowledge and broad perspectives on nature and human beings. It also aims to develop professional engineers who can contribute to the sustainable development of society with not only highly specialized knowledge but also long-term perspectives and an international outlook. Specifically, we welcome students with the following academic abilities and skills, and who aspire to be creative, highly proficient researchers and professional engineers who contribute to the sustainable development of society:

1. Basic academic skills needed to learn engineering;
2. Logical thinking ability required to solve problems; and
3. Language proficiency sufficient to adapt to the global educational and research environment and to succeed in the world.

For this reason, the Graduate School of Engineering conducts Regular Selection, Special Selection for Working Adults, Special Selection for Foreign Students, Special Selection Program for Recommended Students, Selection for Students Expected to Graduate in September/Graduated, Special Selection for Early Graduate Students, and Selection for International Degree Courses Offering Education in English, to select students with an emphasis on the abilities and qualities necessary to carry out research in line with the educational policies.

Applicants for Regular Selection, Special Selection for Foreign Students, Selection for Students Expected to Graduate in September/Graduated, Special Selection for Early Graduate Students, and Selection for International Degree Courses Offering Education in English will be selected by each department through appropriate procedures by combining the methods: a written examination etc. to evaluate basic knowledge and specialized knowledge in engineering, an oral interview to assess their aptitude, and the evaluation of language proficiency. The selection will be made by a comprehensive assessment.

Applicants for the Selection for Working Adults will be selected by each department based on an oral interview to evaluate their research plan, research motivation, etc. If necessary, the score of written examinations, such as the Regular Selection and language proficiency test, will be considered.

All new students are expected to have basic knowledge to understand advanced studies in the related fields and undertake research.

○ Educational Objectives and Goals

Staying true to the Tohoku University's traditional spirit of "Research First," "Open Doors," and "Practice-Oriented Research and Education," the Graduate School of Engineering is committed to achieving its educational objectives. One of these objectives is to develop researchers who act based on profound knowledge and broad perspective about nature and

human beings, perform their research in an ethical, purposeful, and self-directed way to build safe, secure, and affluent society, and possess abundant creativity and high research skills that enable them to play a leading role in the future development and innovation of scientific technologies. Another educational objective of the School is to produce core technical experts who are equipped with not only a high-level of technical expertise but also a long-term vision and global viewpoint, and capable of making contributions to the sustainable development of our society.

Specifically, the educational goal of the Master's Degree Program is to endow students with a broad range of basic academic and language skills that are needed for the performance of research, as well as abilities to develop their research subjects by using unique ideas and present research theses at a public occasion. They are also expected to have basic skills and advanced techniques to perform a research or provide a research and technical guidance in their field of expertise.

○ Diploma Policy

The Graduate School of Engineering, Tohoku University, will award a master's degree in engineering to students who pass a review of master's thesis or research results on a particular subject as well as the final examination. Students are also required to remain enrolled for a specific period of time, study a set of subjects that are offered in accordance with the School's educational objectives and goals, earn a specified number of credits, and demonstrate a high-level of ethical awareness and sense of responsibility, in addition to the following knowledge and skills:

1. A broad range of basic knowledge and academic skills that help students understand and explore the essence of their research subjects;
2. Profound knowledge about their fields of expertise;
3. Interdisciplinary knowledge relating to their fields of expertise;
4. System design skills obtained through the integration of knowledge outside their fields of expertise;
5. Skills to determine a research subject and solve issues;
6. Advanced skills to perform, apply, and develop their research;
7. Language proficiency to perform their researches; and
8. Basic skills to provide research or technical guidance.

○ Curriculum Policy

The Tohoku University Graduate School of Engineering provides education according to the following policy to ensure that students can acquire knowledge and skills required under the diploma policy:

1. Help students acquire the broad range of knowledge, advanced technical expertise, and interdisciplinary knowledge relating to their fields of expertise that are necessary to understand the essence of their research subjects and perform their research;

2. Enable students to acquire advanced skills to work on their research subjects and develop these subjects with unique ideas; and
3. Provide students with the language proficiency necessary to perform their research and make presentations of the research results.

In order to execute the above policies, the Graduate School of Engineering offers Common Subjects, and each department offers Major Basic Subjects, Major General Subjects, and Related Subjects. The overall educational curriculum is presented in the curriculum map. The Major Basic Subjects are mainly provided in lecture-based courses. The Major General Subjects include lectures, seminars, and the Master Course Seminar etc. The subjects in lecture-based courses are provided for the purpose of acquiring a wide range of basic knowledge and advanced specialized knowledge in each major. A syllabus is prepared for each subject to clearly state the educational content, achievement methods, guidelines for self-study, etc. Seminar courses are provided to develop the students' ability to understand the research field from a diversified viewpoint, and research skills through presentations and discussions on the latest technologies or their own research results. The Master Course Seminar is provided to foster the ability to conduct and develop advanced research and language skills through individual research and writing a master thesis.

In the subjects provided in lecture-based courses, the faculty members in charge of the lecture will assess the student's basic knowledge, basic academic skill, specialized knowledge, etc. with regular examinations, reports, etc. Details of the grading method are described in the syllabus for each subject. In the seminars, department faculty members assess the student's ability to understand academic papers and technical materials through presentations and discussions. In the Master Course Seminar, the academic advisor will assess the student through their ability to develop and conduct their own research with original ideas, present and discuss research content at academic conferences, present in a foreign language, provide technical guidance, write academic reports, etc., based on research activities in the laboratory, give presentations at domestic and international conferences, and through their master thesis and its defense.

1. Departments and Admission Quotas

- Special Selection Program for Working Adults
- Special Selection Program for Foreign Students

Department	Quota		Department	Quota	
	Working Adults	Foreign Students		Working Adults	Foreign Students
Mechanical Systems Engineering	A Few	30 ※1	Applied Chemistry	A Few	12
Finemechanics			Chemical Engineering		
Robotics			Biomolecular Engineering		
Aerospace Engineering			Metallurgy	"	17 ※2
Quantum Science and Energy Engineering	"	6	Materials Science		
Electrical Engineering	"	8	Materials Processing		
Communications Engineering			Civil and Environmental Engineering	"	8 ※3
Electronic Engineering			Architecture and Building Science	"	9
Applied Physics	"	5	Management Science and Technology	"	3

※1 The quota for four departments in Mechanical Engineering (Mechanical Systems Engineering, Finemechanics, Robotics, and Aerospace Engineering) includes the quota of IMAC-G (International Mechanical and Aerospace Engineering Course).

※2 The quota for three departments in Material Engineering (Metallurgy, Materials Science and Materials Processing) includes the quota of IMSE (International Materials Science and Engineering Course).

※3 The quota for department of Civil and Environmental Engineering includes the quota of I-CEEC (International Civil and Environmental Engineering Course).

1. The department of Mechanical Systems Engineering, Finemechanics, Robotics, Aerospace Engineering, Quantum Science and Energy Engineering, Metallurgy, Materials Science, Materials Processing and Civil and Environmental Engineering offer special courses that allow students to earn the credits necessary to complete their studies in English only.

2.The departments of Electrical Engineering, Communications Engineering, Electronic Engineering, Applied Physics, Applied Chemistry, Chemical Engineering, Biomolecular Engineering, Architecture and Building Science, and Management Science and Technology implement International Co-education Curriculum, which allows students to earn the credits necessary to complete their studies in English only, even if their Japanese is not at a level that will enable them to understand the classes.

2. Qualifications for Application

- Those eligible to apply for the Special Selection Program for Working Adults are, in principle, those who after graduating from university have worked for at least two years as engineers, instructors, researchers or the like at the time of enrollment, and for whom any of qualifications (1) to (10) below is true.
- Those eligible to apply for the Special Selection Program for Foreign Students are those who have received a university education in Japan as foreign students or in an overseas university, and for whom any of qualifications (2) to (10) below is true. However, foreign students who have graduated from a Japanese university or expect to graduate by March 2025 may also apply.

The applicant must:

- (1) Have graduated from university or expect to graduate by March 2025.
- (2) Have received a bachelor's degree under Article 104 Paragraph 4 of the School Education Law of Japan, or expect to receive such a degree by March 2025.
- (3) Have completed a 16-year curriculum of school education overseas, or expect to complete such education by March 2025.
- (4) Have completed a 16-year curriculum of school education in Japan by taking correspondence courses offered by schools outside Japan, or expect to complete such education by March 2025.
- (5) Have completed a university education by taking courses designated by the Minister of Education, Culture, Sports, Science and Technology in an educational institution in Japan recognized as adopting the educational system of a foreign country and having the curriculum of that country (only when the person completing that education is regarded as having completed 16 years of that country's education), or expect to complete such education by March 2025.
- (6) Have been conferred a degree equivalent to a bachelor's degree upon completion of a curriculum that has a course term of three years or longer at a university or other school (limited to schools whose overall educational and research activities have been evaluated by the relevant country's government or a government-approved individual, or are designated separately as having met this requirement by the Minister of Education) in a foreign country (including cases in which the student completed the curriculum by taking subjects conducted by said school via distance learning while the student resided in Japan, and cases in which the student has completed a curriculum at an educational facility that is positioned within that country's educational system as per the previous item) or expect to receive such a degree by March 2025.

- (7) Have completed a specialized course of a special training school designated by the Minister of Education, Culture, Sports, Science and Technology (only when the schooling is at least four years in length and other criteria stipulated by the Minister are met), on or after the date stipulated by the Minister, or expect to complete such course by March 2025.
- (8) Have been designated as eligible by the Minister of Education, Culture, Sports, Science and Technology under ministerial ordinance No. 5 of 1953.
- (9) Have been admitted to the graduate school of another university in accord with Article 102 Paragraph 2 of the School Education Law and is recognized by this Graduate School as having suitable academic ability for study in this program.
- (10) Be aged 22 or above and, through individual admission qualification screening, be recognized by this Graduate School as having achieved at least the equivalent academic abilities of a university graduate.

Note 1: Applicants who are currently employed as a faculty member or staff member at Tohoku University and will continue to work at the university after enrollment should contact the Graduate Academic Affairs Section, Graduate School of Engineering by December 6, 2024..

Note 2: Applicants should contact the head of the department in which they expect to major in advance regarding their research plans after enrollment.

Note 3: Applicants applying under qualification (6) should contact the Graduate Academic Affairs Section, Graduate School of Engineering in advance.

Note 4: Applicants applying under qualifications (9) to (10) will need to undergo admission qualification screening. Please contact the office of department for which you wish to apply (see the Remarks of Appendix) in advance.

3. Online Application Procedures and Application Period

The general flow for online applications is as follows.

1. Confirming Application Guidelines and Obtaining the Necessary Documents



- Please carefully check the information in these Application Guidelines, including the Qualifications for Admission and the necessary application documents.
- For application documents, such as certificates of (expected) graduation, transcripts, and other support documentation, please request them in advance from the university you attended.

2. Paying the Examination Fee



- Follow the directions on the Application Guidelines. Use an ATM (at a financial institution or convenience store) or online banking to pay via transfer to the designated bank account. A prescribed fee will be charged when making the payment (to be borne by the applicant).
- After making the transfer, attach documents that show the payee's account information, the amount, the date of transfer, and the name of the payer—such as a copy of the ATM statement or a copy of the screen of the completed Internet banking transfer—to the Payment Confirmation for Examination Fee, and upload the scanned data to the TAO Application Registration website.

3. Registering an Application via the TAO Application Registration Website



- Access The Admissions Office website, and after creating an account, fill in the required applicant information. <https://admissions-office.net/en/portal/>
- Uploading certificates and other documents is also done at the time of application registration.
- **You cannot change your registered information after registration.** When registering, fill in the information carefully while checking to ensure that there are no errors.
- There is a temporary save function, so please make effective use of it for checking, etc.
- **Please be sure that the submission of application is completed on TAO system as below. You will also receive email from TAO that you completed submission.**

Complete my application

[Note]

All data will become uneditable after the completion of application.
Please check again if all entries are completed.

☒ Apply after you review the above

CancelYes



The Admissions Office
Supporting the University of Tsukuba's admission work

Search schools Admission Schemes Profile **Applications**

My applications

Incomplete **Completed**

Application status	Application ID	Admission Scheme	Application Deadline
☆ Application completed	28574	Tohoku University / Graduate School of Engineering / All Departments (Master's Programs) / 一般選抜	

Applicants should use The Admissions Office (hereinafter referred to as TAO), the designated online application system, to complete the following application procedures within the application period.

The application period is from 9:00 on Monday, January 6, 2025 until 16:00 on Tuesday, January 14, 2025 (Japan time).

[Methods]

1. Access the following URL and click the Member Registration button. The account creation screen will appear, so fill in the necessary information and create an account.

URL: <https://admissions-office.net/en/portal>

2. After creating your account, enter your e-mail address and password to log in from the above URL. Use the Application Schemes menu to search for “Tohoku University / Graduate School of Engineering / Two-Year Master’s Program/ April Entry (Working Adults and Foreign Students),” then follow the TAO system’s directions and the directions below to apply.

3. Please submit the following documents as PDF files by uploading them to your application forms.

In principle, the certificates to be submitted should be in Japanese or English. In the case of certificates in other languages, a Japanese or English translation, corroborated by the issuer of each certificate, should be attached.

If it is not possible to handle certificates in the way listed above, contact the Graduate Academic Affairs Section in the Academic Affairs Division of the Graduate School of Engineering and School of Engineering.

*Once application documents have been submitted, we will not accept any replacements.

*Withdrawal will not be accepted after an application has been received.

*Those who have made false declarations in their application documents may have their entrance approval canceled, even after enrollment.

*Those who pass the tests and are admitted must submit original copies of their transcripts and graduation (or completion) certificates (not required for graduates of the School of Engineering) at the time of admission procedures. In addition, those who have applied under the qualification for admission (2) (e.g., those who have completed (or expect to complete) an advanced course at a college of technology or junior college, etc.) are also required to submit a "certificate of degree conferment." Your admission to the Graduate School may be cancelled if there are any discrepancies between the documents uploaded to the online application system and the original documents submitted at the time of admission procedures, or if you are unable to submit the original certificates.

Required documents	Notes
Application for admission	Fill out the application form for admission in the online application system.
CV	Download the prescribed CV file from the following URL. https://www.eng.tohoku.ac.jp/english/admission/procedure/grad.html
Letter of Recommendation or Letter of Acceptance (推薦書・承諾書)	Prepared by the expected supervisor, using an official form for this Graduate School. The official form can be downloaded from the website: https://www.eng.tohoku.ac.jp/english/admission/procedure/grad.html *If a Letter of Recommendation cannot be submitted, submit instead a Letter of Acceptance by the faculty member. *Please be sure to submit a Letter of Recommendation those who apply for the Department of Metallurgy, Materials Science, or Materials Processing.
Undergraduate transcript	Issued by the dean of the university from which you graduated. (Not required if currently a student of the School of Engineering of this university.) In addition, for those who have completed (or expect to complete) an advanced course at a technical college, submit transcripts for the period of time you were enrolled in the course, as well.
TOEFL®Test /TOEIC® Public Test score sheets	Should be submitted by applicants corresponding to the following categories (1) or (2), (1) Those applying under the Special Selection Program for Foreign Students (2) Those applying under the Special Selection Program for Working Adults for study in Metallurgy, Materials Science, or Materials Processing. *TOEFL iBT's "My Best™ Score" will not be used for preliminary screening at Graduate School of Engineering.
Valid tests: TOEFL iBT®Test ,, TOEIC® Public Test (Listening & Reading Test)	<u>(Note) Score sheets may not be replaced with more recent test results once submitted.</u> <u>Example: You may not resubmit a different score sheet for the TOEIC public test held on Sunday, December 8, 2024 after submitting a score sheet for the TOEIC public test held on Sunday, November 17, 2024.</u> <u>(Note) There are required scores for those applying under the Special Selection Program for Foreign Students to study in the Mechanical Systems Engineering, Finemechanics, Robotics, and Aerospace Engineering. For details, please see the appendix.</u> <u>* Applicants with a letter of permission (in any format) from the expected supervisor may submit may be exempted.</u> *TOEFL, TOEFL iBT, and TOEIC are registered trademarks of Educational Testing Service (ETS).

Certificate of (expected) completion or of degree conferral	Issued by the dean of the university from which the applicant has graduated or by the NIAD (National Institution for Academic Degrees and Quality Enhancement of Higher Education).
Examination Admission Ticket and Photo ID Form (受験票、写真票)	<p>Download the prescribed examination admission ticket and photo ID form files from the following URL.</p> <p>https://www.eng.tohoku.ac.jp/english/admission/procedure/grad.html</p> <p>The photo ID form should include an image file of a photograph showing the upper body of the applicant, facing forward with no hat, and have been taken within three months of application.</p>
Residence Record	※Only for foreign applicants already residing in Japan whose period of stay is over 90 days. (The residence record should be issued within 3 months and indicates residence status without Individual Number.)
<p>Examination fee</p> <p>Please pay 30,000 yen By January 14, and submit "Payment Confirmation of Examination Fees"</p>	<p>(1) Download the prescribed form files of "Payment Confirmation of Examination Fees" from the following URL: https://www.eng.tohoku.ac.jp/english/admission/procedure/grad.html</p> <p>(2) Make a payment by ATM or Internet Banking Transaction and attach a copy of ATM transaction statement or evidence of Internet Banking Transaction to the "Payment Confirmation of Examination Fees"</p> <p>* Sender's name should be the applicant's name in Katakana. * Bank transfer fee should be paid by the applicant. * Only domestic banking transfer is accepted.</p> <p>Amount(金額): 30,000 yen Payment Deadline(納入期限): January 14, 2025 Bank(銀行): Mitsubishi UFJ Bank (三菱UFJ 銀行) Bank Code: 0005 Branch(支店): Wakatake-shiten(わかたけ支店) Branch Code: 809 Account Type(預金種別): Futsuu(普通) Account Number(口座番号): 2259225 Account Holder(口座名義): Kokuritsu Daigaku-houjin Tohokudaigaku(国立大学法人東北大学) Account Holder in Kana(カナ): タﾞｲﾄﾞｸﾞﾀﾞｲｶﾞｸ ｲｶﾞｸ</p> <p>(3) MEXT scholarship recipients do not need to pay this fee. If you wish to apply for examination fee waiver due to the domestic disasters, please see the following website: https://www.eng.tohoku.ac.jp/admission/grad/disaster.html</p> <p>(4) This banking information is only valid within Japan. If you live overseas, please contact the Graduate Academic Affairs Section in advance.</p>
Address label	Fill in the necessary information on the address label in the online application system.

Written consent to take exam	<p>*Required only for those intending to remain employed while in school. Issued by head of workplace, showing employment duration, nature of work, and identity. (Any format; with official letterhead, signature, seal, etc.)</p> <p>(Note) Those who passed the Special Selection Program for Working Adults but are not employed at the time of admission and have been employed in the past are required to submit a "Certificate of Employment" at the time of the enrollment procedures. The certificate must be issued by the head of the organization, stating the period of employment, job description, and status (with company seal, etc., and in any format).</p>
------------------------------	---

Note: Applicants must submit the following documents respectively in addition to the above.

Special Selection Program for Working Adults

Required documents	Notes
Summary of research or work	Research/work carried out during time spent working as an engineer, instructor, researcher, etc. (approximately 1 A4-size page).
Research plan	Approximately 1 A4-size page

Special Selection Program for Foreign Students

Required documents	Notes
Recommendation Letter	Prepared by a supervising faculty member or equivalent from your university (any format).
Score sheet of Japanese Language Proficiency Test or a document indicating the applicant's Japanese language ability prepared by the instructor of Japanese class or prospective advisor (Any format)	<p>Applicants for the departments of Metallurgy, Materials Science, and Materials Processing are required to submit this document, as it will be included in the pass/fail decision.</p> <p>Not necessary if you apply for departments other than those listed above.</p>

Other reference materials such as Papers and Reports to demonstrate academic ability may be uploaded as PDF files.

4. Examination and Selection

The selection of new students will be made based on the results of the examination subjects listed in the attached table and the documents to be submitted.

Examination dates: From Tuesday, March 4 to Thursday, March 6, 2025 according to the attached schedule.

Location: Graduate School of Engineering, Tohoku University, Sendai, Japan

(Details will be informed to each applicant from the department to which the application was made)

• It is not possible to take the examination of more than one selection held on the same examination schedule.

(e.g. Special Selection for Working Adults Master's Program and Special Selection Program for Foreign Students)

5. Announcement of Results

Results are scheduled to be posted around 5:00 p.m. on Wednesday, March 12, 2025, on the following website (<https://www.eng.tohoku.ac.jp/>).

Notification of results will also be mailed to applicants who pass the entrance examination. Please note that results cannot be given in response to telephone inquiries.

6. Enrollment Procedures, etc.

(1) The enrollment procedures are scheduled to take place in mid-March 2025. The detailed information will be sent to you by email in mid-March 2025, when we send you the acceptance letter and documents related to the enrollment procedure.

(2) Fees necessary at the time of enrollment

(a) Admission fee: 282,000 yen (tentative)

(b) Tuition (first semester): 267,900 yen (annual 535,800 yen) (tentative)

Note 1: The above amounts are tentative. In the case that admission or tuition fees are revised, the new fees will become applicable from the time of the revision.

Note 2: Information regarding the payment of admission fees and tuition fees will be sent via documents and emails regarding admission procedures in mid-March 2025.

For information on exemptions, deferrals, etc., please visit the Tohoku University website

(<https://www2.he.tohoku.ac.jp/menjo/>)

7. Eligibility for Long Term Study Program

Some applicants, due to the need to continue with employment or other special circumstances (**Note 1**), may request permission to follow a planned course of study longer than the normal period of two years in order to receive their master's degree (**Note 2**). This Graduate School offers such an option, called a “Long Term Study Program”, to those who qualify in an advance screening exam. Long term master's students pay the same amount over the length of their studies as those enrolled in the standard two-year program. Inquiries about this program can be accepted at any time before enrollment. Please contact the Graduate Academic Affairs Section, Graduate School of Engineering.

Applicants hoping to be considered for this program need to apply at the enrollment procedures. It is also possible to apply for this program in the middle of the enrollment, but not if less than one year remained in the standard period of study. In such a case, the length of the Long Term Study period is limited to twice the remaining period of study within the standard period of study.

Note 1: To be eligible for this program, the applicant must (1) be employed by a company or be self-employed, (2) be perform childbirth, childcare, and nursing care, etc., or (3) be otherwise determined by this Graduate School to be suitable for the program (excluding financial reasons).

Note 2: The period of study may not be extended beyond four years, but it is possible to request that the period be shortened.

In principle, no special curriculum will be prepared for students in the long term study program.

8. Handling of Personal Information

(1) All personal information gathered by Tohoku University shall be treated with due care in compliance with the relevant university regulations, such as the Act on the Protection of Personal Information (2003, Act No. 57), and the National University Corporation Tohoku University Policy on the Protection of Personal Information, and security measures will be taken to protect it.

(2) Personal information, such as examination scores, used to screen applicants will be used exclusively for educational purposes, such as selecting applicants, enrollment procedures, pre-enrollment instruction, follow-up surveys, post-enrollment student support (scholarships, tuition waivers and health management etc.) and academic advising, or in connection with tuition collection etc., or surveys/research (surveys/analysis related to entrance examination improvements and reasons for applying; including analysis using the enrollees' personal information after enrollment).

(3) Tasks related to entrance examinations and academic affairs may be outsourced by Tohoku University to third-party contractors (hereafter, "contractors"). If personal information is provided in whole or in part to contractors, necessary measures will be taken to ensure it is handled appropriately in accordance with the relevant university regulations, such as the National University Corporation Tohoku University Policy on the Protection of Personal Information.

9. Educational Data Usage

Tohoku University strives to use Educational Data including personal information stored in the information system in education and learning activities, effectively and appropriately in compliance with our "Statement on Educational Data Usage," "Policy on Educational Data Usage," and "Tohoku University's 8 Principles of Educational Data Acquisition" while paying attention to the protection of personal information. After being admitted to the university, students' personal information, such as entrance exam scores etc., is merged with the university's Educational Data.

URL : <https://www.tohoku.ac.jp/japanese/studentinfo/education/08/education0801/>

10. Important Notes

- (1) "Laboratory Introduction" (listing the specialties offered in each field) is available on the following website (<https://www.eng.tohoku.ac.jp/english/admission/procedure/grad.html>) under the Admissions menu. Please refer to it when submitting your application.
- (2) Submitted application documents and examination fees cannot be returned.
- (3) If you do not receive your examination admission ticket by ten days prior to the examination date, please contact the office of department for which you wish to apply (see the Remarks of Appendix) in advance.
- (4) All other inquiries regarding application for admission should likewise be made to the Graduate Academic Affairs Section, Graduate School of Engineering.
- (5) Applicants desiring consultation regarding the need for special assistance or other consideration in taking the examination or conducting your studies should make a written application indicating the items listed below (no special format). Be assured that such a request will in no way prejudice the outcome of the selection process, as all applicants will be treated fairly.

*Deadline for consultation: As a rule, no later than Wednesday, November 27, 2024.

*Information to be indicated in creating application:

- A) Name, address and phone number of applicant
- B) University, etc. from which the applicant has graduated
- C) Any special considerations desired in taking the examination
- D) Any special considerations desired in the study environment
- E) Nature of any special considerations provided up to now
- F) Other relevant information about daily life circumstances
- G) Reference materials (if currently under treatment, enclose a medical certificate issued by your physician)

(6) Tohoku University has established Tohoku University Security Export Control Regulations based on the Foreign Exchange and Foreign Trade Act, and screens each submitted application when we accept international students in our university. In the event that their research plans apply to the regulatory concerns, above mentioned students may not be able to receive desired education and their research themes may be limited.

October 2024

Graduate Academic Affairs Section

Graduate School of Engineering

Tohoku University

6-6-04 Aramaki Aza Aoba, Aoba-ku, Sendai, Miyagi 980-8579, Japan

Phone: +81-22-795-5820

e-mail : eng-in@grp.tohoku.ac.jp

Department : Mechanical Systems Engineering, Finemechanics, Robotics, Aerospace Engineering

Selection	Test Subjects	Date and Time	Description	Remarks
Special Selection Program for Working Adults	Math A (elective)*	Tue., Mar. 4 9:30 to 10:30 a.m. (assemble at 8:50)	Differential and Integral Calculus, Linear Algebra, Vector Analysis	(1) On the scope of each subject, confirm with the website below. https://www.mech.tohoku.ac.jp/ (2) Tests in specialized subjects end at the following times. If one subject is selected: 10:30 a.m. If two subjects are selected: 11:30 a.m. (3) Calculators or devices such as watches or mobile phones with calculation or communication functions are not allowed in the examination room. (4) Interviews are given only for those applicants who pass the written test. More details will be provided in the documents enclosed with the exam ticket. Department inquiries: Mechanical and Aerospace Engineering Academic Affairs Section Phone: +81-22-795-7030
	Math B (elective)*	Tue., Mar. 4 1:00 to 2:00 p.m.	Ordinary Differential Equations, Partial Differential Equations, Fourier Series and Fourier Transforms, Laplace Transforms	
	Specialized subjects (elective)*	Wed., Mar. 5 9:30 to 11:30 a.m. (assemble at 8:50)	Thermodynamics, Fluid Dynamics, Strength of Materials, Dynamics of Mechanical Systems, Control Engineering	
	*Choose any two of the seven subjects (Math A, Math B, and five specialized subjects). How to choose the subjects will be notified later.			
	Interview	Thu., Mar. 6 (time indicated by the department)	Questions about your studies up to now and research plans after entering this program. English ability may also be asked about.	
Special Selection Program for Foreign Students	English		At the time of application, submit TOEFL ®or TOEIC® score sheet no older than two years before the examination. TOEFL iBT Home Edition score are also accepted. Students, whose native tongue is considered to be English, should contact Mechanical and Aerospace Engineering Academic Affairs Section for required documents by December 20, 2024, if they want to omit the submission of English proficiency test score.	It is "failed" if the submitted score does not meet the following requirement. (79 for TOEFL-iBT, or 730 for TOEIC) (1) On the scope of each subject, confirm with the website below. https://www.mech.tohoku.ac.jp/ (2) Calculators or devices such as watches or mobile phones with calculation or communication functions are not allowed in the examination room. (3) Interviews are given only for those applicants who pass the written test. More details will be provided in the documents enclosed with the exam ticket. Department inquiries: Mechanical and Aerospace Engineering Academic Affairs Section Phone: +81-22-795-7030
	Math A (mandatory)	Tue., Mar. 4 9:30 to 10:30 a.m. (assemble at 8:50)	Differential and Integral Calculus, Linear Algebra, Vector Analysis	
	Math B (mandatory)	Tue., Mar. 4 1:00 to 2:00 p.m.	Ordinary Differential Equations, Partial Differential Equations, Fourier Series and Fourier Transforms, Laplace Transforms	
	Specialized subjects (elective)*	Wed., Mar. 5 9:30 to 11:30 a.m.	Thermodynamics, Fluid Dynamics, Strength of Materials, Dynamics of Mechanical Systems, Control Engineering *Choose any two of the above listed five subjects	
	Interview	Thu., Mar. 6 (time indicated by the department)	Questions about your studies up to now and research plans after entering this program.	

Department of Quantum Science and Energy Engineering				
Selection	Test Subjects	Date and Time	Description	Remarks
Special Selection Program for Working Adults	Math A (elective)*	Tue., Mar. 4 10:00 to 11:30 a.m. (Meeting time: 9:30)	Differential and Integral Calculus, Linear Algebra, Vector Analysis	(1) Written examination may be waived depending on the applicant's record as indicated on transcripts. For details on exemption conditions and how to apply for exemption from the written examination contact your prospective supervisor. (2) The scopes of the subjects can be confirmed at the website below. https://www.qse.tohoku.ac.jp/admission/admission_graduate.html (3) Calculators or devices such as watches or mobile phones with calculation or communication functions are not allowed in the examination room. (4) Whether an applicant can proceed to the interview depends on the score of the written examination. When and how the results of the written examination will be notified is announced on the first day of the examination. (5) How to choose the language and subjects will be notified later. During the exam you will not be able to make a selection different from what you declared. Department inquiries: Mechanical and Aerospace Engineering Academic Affairs Section Phone: +81-22-795-7030
	Math B (elective)*	Tue., Mar. 4, 1:00 to 2:30 p.m.	Ordinary Differential Equations, Partial Differential Equations, Fourier Series and Fourier Transforms, Laplace Transforms	
	Specialized subjects (elective)*	Wed., Mar. 5 10:00 to 11:30 a.m. (assemble at 9:30)	Field I: Fluid Dynamics, Electromagnetics, Quantum Mechanics, Strength of Materials, Mechanical materials, Chemistry basics Field II: Radiochemistry, Radiation engineering, Reactor physics *Choose any two of the nine subjects (no more than one subject can be selected from Field II).	
	*Choose either Math A, Math B, or Specialized subjects, and declare your choice in advance.			
	Interview	Thu., Mar. 6 (time indicated by the department)	Presentation about your study so far, such as the contents of your bachelor thesis, and research plans after entering this program (in 15 minutes). After that, a question-and-answer session will be held (in 15 minutes). In some cases, English proficiency and basic academic ability will be evaluated.	
Special Selection Program for Foreign Students	English		At the time of application, submit TOEFL® or TOEIC® score sheet no older than two years before the examination. TOEFL iBT Home edition is acceptable. Contact the department if your native tongue is English.	(1) The scopes of the subjects can be confirmed at the website below. https://www.qse.tohoku.ac.jp/admission/admission_graduate.html (2) Calculators or devices such as watches or mobile phones with calculation or communication functions are not allowed in the examination room. (3) Whether an applicant can proceed to the interview depends on the score of the written examination. When and how the results of the written examination will be notified is announced on the first day of the examination. (4) Written examination may be waived depending on the applicant's record indicated on transcripts. (5) How to choose the language and subjects will be notified later. During the exam you will not be able to make a selection different from what you declared. Department inquiries: Mechanical and Aerospace Engineering Academic Affairs Section Phone: +81-22-795-7030
	Math A (mandatory)	Tue., Mar. 4 10:00 to 11:30 a.m. (Meeting time: 9:30)	Differential and Integral Calculus, Linear Algebra, Vector Analysis	
	Math B (mandatory)	Tue., Mar. 4, 1:00 to 2:30 p.m.	Ordinary Differential Equations, Partial Differential Equations, Fourier Series and Fourier Transforms, Laplace Transforms	
	Specialized subjects (elective)*	Wed., Mar. 5 10:00 to 11:30 a.m. (assemble at 9:30)	Field I: Fluid Dynamics, Electromagnetics, Quantum Mechanics, Strength of Materials, Mechanical materials, Chemistry basics Field II: Radiochemistry, Radiation engineering, Reactor physics *Choose any two of the nine subjects (no more than one subject can be selected from Field II)	
	Interview	Thu., Mar. 6 (time indicated by the department)	Presentation about your study so far, such as the contents of your bachelor thesis, and research plans after entering this program (in 15 minutes). After that, a question-and-answer session will be held (in 15 minutes). In some cases, English proficiency and basic academic ability will be evaluated.	

Department : Electrical Engineering, Communications Engineering, Electronic Engineering

Selection	Test Subjects	Date and Time	Description	Remarks
Special Selection Program for Working Adults	Interview	Tue., Mar. 4 or Wed., Mar. 5 (time indicated by the department)	Approx. 10-minute presentation about studies up to now and research plans after entering this program. Bring five copies of support materials with you.	The oral test about the basic academic ability related to the research topic may be charged.
Special Selection Program for Foreign Students	English		At the time of application, submit TOEFL® or TOEIC® score sheet no older than two years before the entrance exam. TOEFL iBT® Home Edition scores are not accepted.	<p>(1) On the scope of each subject, inquire with the department or confirm with the website below. https://www.ecei.tohoku.ac.jp/ecei_web/admission/</p> <p>(2) Calculators or devices such as watches or mobile phones with calculation or communication functions are not allowed in the examination room.</p> <p>Department inquiries: Electronic Information System and Applied Physics Academic Affairs Section Phone: +81-22-795-7186</p>
	Basic and specialized subjects	Tue., Mar. 4 9:40 a.m to 12:10 p.m. (Meeting time 9: 00 a.m.)	Choice of 3 questions from the following 6 areas: electromagnetics, electrical circuits, computer hardware, computer software, physics, basic mathematics.	
	Interview	Tue., Mar. 4 or Wed., Mar. 5 (time indicated by the department)	Approx. 10-minute presentation about your university education or thesis (including the thesis now on writing), and research plans after entering this program, etc. Bring five copies of support materials with you.	

Department : Applied Physics

Selection	Test Subjects	Date and Time	Description	Remarks
Special Selection Program for Working Adults	Interview	Wed., Mar. 5 (time indicated by the department)	English ability may also be asked about.	The field-specific interview will be held prior to the entrance exam (late February).
Special Selection Program for Foreign Students	English		At the time of application, submit TOEFL® or TOEIC® score sheet no older than two years before the entrance exam. TOEFL iBT® Home Edition scores are not accepted. (Students whose native tongue is English should contact the department individually.)	If there are special circumstances, Please contact the contact information below.
	Basic subjects	Tue., Mar. 4 9:30 to 11:45 a.m.	3 questions : mechanics, electromagnetism, quantum mechanics. English translations provided as necessary.	The written test will be waived for foreign student applicants with outstanding qualifications. The field-specific interview will be held prior to the entrance exam (late February).
	Specialized subjects	Tue., Mar. 4 1:00 to 2:30 p.m.	2 questions: statistical mechanics, condensed matter physics. English translations provided as necessary.	Calculators or devices such as watches or mobile phones with calculation or communication functions are not allowed in the examination room. Department inquiries: Electronic Information System and Applied Physics Academic Affairs Section Phone: +81-22-795-7186
	Interview	Wed., Mar. 5 (time indicated by the department)		

Department : Applied Chemistry, Chemical Engineering, Biomolecular Engineering

Selection	Test Subjects	Date and Time	Description	Remarks
Special Selection Program for Working Adults	Short essay	Tue.,Mar. 4 or Wed.,Mar. 5 (time indicated by the department)	Japanese and English summary	
	Interview	Tue.,Mar. 4 or Wed.,Mar. 5 (time indicated by the department)		
Special Selection Program for Foreign Students	English		At the time of application, submit TOEFL® or TOEIC® score sheet no older than two years before the entrance exam. TOEFL iBT® Home Edition scores are not accepted. Students whose native tongue is English should contact the department individually.	Department inquiries:Applied Chemistry,Chemical Engineering and Biomolecular Engineering Academic Affairs Section Office: +81-22-795-7205 Website: https://www.che.tohoku.ac.jp/index.html
	Basic subjects	Tue.,Mar. 4 or Wed.,Mar. 5 (time indicated by the department)	Physical chemistry, Inorganic chemistry, Mathematics, Organic chemistry	
	Specialized subjects	Tue.,Mar. 4 or Wed.,Mar. 5 (time indicated by the department)	Applicant's field of specialty	
	Interview	Tue.,Mar. 4 or Wed.,Mar. 5 (time indicated by the department)		

Selection	Test Subjects	Date and Time	Description	Remarks
Special Selection Program for Working Adults	English		At the time of application, submit TOEFL® or TOEIC® score sheet no older than two years before the entrance exam.	<p>(1) Please refer to the following website to ensure further details, especially the types of TOEFL® Test/TOEIC® scores to meet the admission requirement. https://www.material.tohoku.ac.jp/admission/index.html</p> <p>(2) Schedules etc. will be notified individually.</p> <p>(3) Calculator are not allowed during the test.</p> <p>(4) Be sure to confirm your selection category with the prospective professor.</p> <p>*Contact the department for more information or check on the following homepage https://www.material.tohoku.ac.jp/admission/index.html</p> <p>*Inquire with the department for details. Academic Affairs Section: +81-22-795-7373</p>
	Oral test	30 minutes, from Tue., Mar. 4 to Thu., Mar. 6	The test consists of 5 areas, such as physics, chemistry, materials chemistry, materials science and materials processing.	
	Mathematics	60 minutes, Tue., Mar. 4	Differential and Integral Calculus, Ordinary Differential Equations, Linear Algebra, Vector Analysis, Matrix, Determinant, Complex Function Theory, Fourier Series and Fourier Transforms, Laplace Transforms, etc.	
	Interview	10 minutes, from Tue., Mar. 4 to Thu., Mar. 6 (Conducted during the Oral test)		
Special Selection Program for Foreign Students	English		At the time of application, submit TOEFL® or TOEIC® score sheet no older than two years before the entrance exam.	<p>(1) Please refer to the following website to ensure further details, especially the types of TOEFL® Test/TOEIC® scores to meet the admission requirement. https://www.material.tohoku.ac.jp/admission/index.html</p> <p>(2) Submission of TOEFL®/TOEIC® score sheet may be waived for qualified applicants. Ask the applicant's prospective professor for details.</p> <p>(3) Schedules etc. will be notified individually.</p> <p>(4) Calculator are not allowed during the test.</p> <p>(5) Be sure to confirm your selection category with the prospective professor.</p> <p>*Contact the department for more information or check on the following homepage https://www.material.tohoku.ac.jp/admission/index.html</p> <p>*Inquire with the department for details. Academic Affairs Section: +81-22-795-7373</p>
	Oral test	30 minutes, from Tue., Mar. 4 to Thu., Mar. 6	The test consists of 5 areas, such as physics, chemistry, materials chemistry, materials science and materials processing. Japanese language skills will also be checked during the test.	
	Mathematics	60 minutes, Tue., Mar. 4	Differential and Integral Calculus, Ordinary Differential Equations, Linear Algebra, Vector Analysis, Matrix, Determinant, Complex Function Theory, Fourier Series and Fourier Transforms, Laplace Transforms, etc.	
	Interview	10 minutes, from Tue., Mar. 4 to Thu., Mar. 6 (Conducted during the Oral test)		

Department : Civil and Environmental Engineering

Selection	Test Subjects	Date and Time	Description	Remarks
Special Selection Program for Working Adults	Short essay	Tue., Mar. 4, 9:30 to 11:00 a.m.	Topics related to civil and environmental engineering	
	Oral test	Tue., Mar. 4 or Wed., Mar. 5	Within 10-minute presentation on research or work at the place of employment (may use PC), followed by questions about the presentation contents.	
	Interview	Tue., Mar. 4 or Wed., Mar. 5	Questions about motivation for application, research plans after entering this program, etc.	
Special Selection Program for Foreign Students	English		At the time of application, submit TOEFL® or TOEIC® score sheet no older than two years before the entrance exam. TOEFL iBT Home Edition scores are not accepted.	<p>(1) Use of calculators or devices such as watches and mobile phones with calculation or communication functions are not allowed in the examination room</p> <p>(2) See the following website for problems of past essays. https://www.civil.tohoku.ac.jp/english/admission/index.html</p> <p>(3) Time and place of the oral test and interview will be notified by department.</p> <p>(4) Contact the department for more information</p> <p>Department inquiries: Civil Engineering and Architecture Academic Affairs Section Phone: +81-22-795-7489</p>
	Basic subjects	Tue., Mar. 4 1:00 to 2:00 p.m.	Select two subjects out of the following four subjects: Differential and Integral Calculus, Linear Algebra, Probability and Statistics, and Biology and Ecology	
	Specialized subjects	Tue., Mar. 4 3:00 to 4:00 p.m.	<p>Select one of the following three academic fields: [Infrastructural Engineering], [Water and Environmental Studies], or [Transportation and Urban Planning]</p> <p>[Infrastructural Engineering] Select two subjects out of the following three subjects: Structural Engineering, Concrete Engineering, and Geotechnical Engineering.</p> <p>[Water and Environmental Studies] Select two subjects out of the following four subjects: Hydraulics, River Engineering, Water Quality Engineering, and Environmental Planning.</p> <p>[Transportation and Urban Planning] Select two subjects out of the following three subjects: Operations Research, Transportation Planning, and Transportation Engineering.</p>	
	Interview	Tue., Mar. 4 or Wed., Mar. 5	Questions followed by your university education or undergraduate thesis (including the thesis now on writing), motivation for application, research plans after entering this program, etc. Assessment of Japanese-language ability is also made at this time.	

Department : Architecture and Building Science

Department of Architecture and Building Science					
Selection	Test Subjects	Date and Time	Description		Remarks
Special Selection Program for Working Adults	Short essay		The theme of the essay will be sent to the applicant separately. Submit by the designated date.		Time and place of the interview will be notified by the department office. Phone: +81-22-795-7489 (Civil Engineering and Architecture Academic Affairs Section)
	Oral test	Tue., Mar. 4 or Wed., Mar. 5 (time indicated by the department)	Questions about essay contents		
	Interview	Tue., Mar. 4 or Wed., Mar. 5 (time indicated by the department)	At the same time of the oral test.		
Special Selection Program for Foreign Students	English		At the time of application, submit TOEFL® or TOEIC® score sheet no older than two years before the entrance exam. TOEFL iBT® Home Edition scores are not accepted. Students whose native tongue is English should contact the department individually.		(1) Pay attention that the specialized subjects are different for each applicant. (2) Calculator and dictionaries are not allowed in the examination room. (3) Candidates who wish to take the urban and architectural design course, submit a portfolio that summarizes design works, etc. by the method notified by the department. For students who wish to take other courses submit your portfolio in a way that your department notifies you. You may use it at the time of interview. (4) Upon request from the applicant question in English can be distributed in the examination. You can make a request to the department in advance, if you need the English question. (5) Refer to the following website for past questions and the scope. https://www.archi.tohoku.ac.jp (6) Time and place of the interview will be notified by the department. Department inquiries: Civil Engineering and Architecture Academic Affairs Section Phone: +81-22-795-7489
	Specialized subjects	Tue., Mar. 4. 1:30 to 4:30 p.m.	Urban and Architecture Design Course	Drafting and design	
			Urban and Architecture Planning Course	1 to 3 questions in each of architectural planning, urban planning, and architectural history	
			Sustainable Architecture and Building Science Course	1 to 3 questions in each of building science (built environment and building services), building materials, and structural mechanics	
			Structural Engineering for Architecture	1 to 3 questions in each of Architectural structural mechanics, steel structure, RC structure, vibration theory, building disaster prevention engineering	
	Interview	Tue., Mar. 4 or Wed., Mar. 5 (time indicated by the department)			

Department : Management Science and Technology

Selection	Test Subjects	Date and Time	Description	Remarks
Special Selection Program for Working Adults	essay		Evaluate whether or not you have the logical thinking ability, expressive ability, and basic academic ability suitable for studying in this department by essays on general common sense and the specialized fields covered by this department and social issues related to them. A selection-type theme will be given to the applicant, so submit it by the designated date.	<p>(1) Part of the written test may be exempted depending on the contents of applicant's undergraduate transcript.</p> <p>(2) The date and place of the oral examination will be notified to each applicant by the department.</p> <p>Department inquiries: Office: +81-22-795-3863</p> <p>Website: https://www.most.tohoku.ac.jp</p>
	Oral examination	Tue., Mar. 4 to Thu., Mar. 6 (time indicated by the department)	Presentation about the content of the essay.in addition, the basic academic ability and the appropriateness of the research field will be evaluated.The oral examination time is about 30 minutes per person.	
Special Selection Program for Foreign Students	English		At the time of application, submit TOEFL® or TOEIC® score sheet no older than two years before the entrance exam. TOEFL iBT Home Edition scores are also accepted.	<p>(1) Part of the written test may be exempted depending on the contents of applicant's undergraduate transcript.</p> <p>(2) The date and place of the oral examination will be notified to each applicant by the department.</p> <p>Department inquiries: Office: TEL +81-22-795-3863</p> <p>Website: https://www.most.tohoku.ac.jp</p>
	essay		Evaluate whether or not you have the logical thinking ability, expressive ability, and basic academic ability suitable for studying in this department by essays on general common sense and the specialized fields covered by this department and social issues related to them. A selection-type theme will be given to the applicant, so submit it by the designated date.	
	Oral examination	Tue., Mar. 4 to Thu., Mar. 6 (time indicated by the department)	Presentation about the content of the essay.in addition, the basic academic ability and the appropriateness of the research field will be evaluated.The oral examination time is about 30 minutes per person.	