

2022 Academic Year

Application for Spring Enrollment in Master's Program

(for entry in April 2022)

Regular Program for Incoming Students from Other Schools  
(Secondary recruitment)

Special Selection Program for Working Adults

Special Selection Program for Foreign Students

October 2021

Graduate School of Engineering, Tohoku University

## ○ **Admission Policy**

The Graduate School of Engineering welcomes prospective students who share the School's educational objectives and goals. They should have the following academic skills and abilities that are necessary to acquire knowledge and skills outlined in the curriculum policy:

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

## ○ **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 researches;
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

- Regular Program for Incoming Students from Other Schools (Secondary recruitment)

Department	Quota
Quantum Science and Energy Engineering	A Few
Applied Physics	8

- 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	A Few	Applied Chemistry	A Few	A Few
Finemechanics	"	"	Chemical Engineering	"	"
Robotics	"	"	Biomolecular Engineering	"	"
Aerospace Engineering	"	"	Metallurgy	"	"
Quantum Science and Energy Engineering	"	"	Materials Science	"	"
Electrical Engineering	"	"	Materials Processing	"	"
Communications Engineering	"	"	Civil and Environmental Engineering	"	"
Electronic Engineering	"	"	Architecture and Building Science	"	"
Applied Physics	"	"	Management Science and Technology	"	"

# 2. Qualifications for Application

- Those eligible to apply for the Regular Program for Incoming Students from Other Schools (Secondary recruitment) are, for whom any of qualifications (1) to (10) below is true.
- 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 2022 may also apply.

The applicant must:

- (1) Have graduated from university or expect to graduate by March 2022.
- (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 2022.
- (3) Have completed a 16-year curriculum of school education overseas, or expect to complete such education by March 2022.
- (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 2022.
- (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 2022.
- (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 2022.
- (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 2022.
- (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 employed by Tohoku University should contact the Graduate Academic Affairs Section, Graduate School of Engineering in advance by Friday, December 10, 2021.

**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. Period for Submission of Application**

Applications should be submitted from Tuesday, January 4 to Tuesday, January 11, 2022, during the office hours from 9:00 a.m. to 4:00 p.m. (not including 11:45 a.m. to 1:00 p.m.). All application documents must be reached to the office by the last day of the above period. Please note that application documents will not be accepted at the counter or by mail after Wednesday 12 of January.

**(Applications will not be accepted on Saturdays, Sundays, or national holidays.)**

**Submit in person or mail to:**

Graduate Academic Affairs Section  
Graduate School of Engineering  
Tohoku University  
6-6-04 Aramaki Aza Aoba, Aoba-ku, Sendai, Miyagi 980-8579, Japan

### **4. Application Documents**

Applicants should prepare the following documents and submit them during the above time frame.

The certification documents must be either in Japanese or English. If the documents cannot be issued in either language, please attach a Japanese or English translation, which is officially issued by the same institution that issued the certification documents.

Please contact the Graduate Academic Affairs Section beforehand in case the above requirement cannot be fulfilled.

**\*Replacement or renewal of submitted application documents are not accepted.**

**\*Withdrawal of application is not accepted after its submission.**

**\*Tohoku University does not accept copies digital files, or printouts of digital files as original documents.**

\* When you fill in application documents, please use a black pen (using pencils or erasable pens by friction are not allowed).

\*If you declare a false information to the application forms, your admission will be revoked even after enrollment.

Required documents	Notes
Application for admission	Use an official application form for this Graduate School.
*1 Written recommendation	<p>Prepared by the faculty member under whom you expect to study, using an official form of this Graduate School.</p> <p>(If a recommendation cannot be submitted, instead submit a letter of acceptance by the faculty member.)</p> <p>(Please be sure to submit a letter of recommendation those who apply for the Department of Metallurgy, Materials Science, or Materials Processing)</p> <p>(Not necessary for those applying for the department of Quantum Science and Energy Engineering or Applied Physics , under the Regular Program for Incoming Students from Other Schools (Secondary recruitment)).</p>
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.)
<p>Original of TOEFL®Test /TOEIC® Public Test score sheets</p> <p>Valid tests: TOEFL®Test PBT , TOEFL iBT®Test ,, TOEIC® Public Test (Listening &amp; Reading Test)</p>	<p>Should be submitted by applicants corresponding to the following categories (1) to (3);: not necessary for those applying to the Applied Chemistry, Chemical Engineering, or Biomolecular Engineering departments.</p> <p>(1) Those applying under the Special Selection Program for Foreign Students to study in Mechanical Systems Engineering , Finemechanics, Robotics, Aerospace Engineering, Quantum Science and Energy Engineering, Electrical Engineering, Communications Engineering, Electronic Engineering, Applied Physics, Metallurgy, Materials Science, Materials Processing, Civil and Environmental Engineering, Architecture and Building Science or Management Science and Technology.</p> <p>(2) Those applying under the Special Selection Program for Working Adults for study in Metallurgy, Materials Science, or Materials Processing.</p> <p>(3) Those applying for the department of Quantum Science and Energy Engineering or Applied Physics under the Regular Program for Incoming Students from Other Schools (Secondary recruitment).</p> <p><b><u>Submitted originals of TOEFL/TOEIC score sheets will not be returned. However TOEFL®Test “Test Taker Score Report” may be returned on the day of the entrance examination, if requested at the time of application.</u></b></p> <p><b><u>The TOEFL institution code of the Graduate School of Engineering, Tohoku University is 8958.</u></b></p> <p><b><u>*TOEFL iBT’s “My Best™ Score” will not be used for preliminary screening at Graduate School of Engineering.</u></b></p>

◆When submitting a score sheet for the TOEFL, or for the 283th TOEIC public test or other TOEIC public tests conducted before the 283th test:

• Please submit all application documents, including the score sheet, within the submission period stated in "3. Period for Submission of Application."

◆When submitting a score sheet for the 284 or 285th TOEIC public test:

• Please submit all other application documents, except the score sheet, within the submission period stated in "3. Period for Submission of Application."

• Please submit the score sheet to the address stated in "3. Period for Submission of Application" by Wednesday, January 26 (applications will not be accepted on Saturdays, Sundays, or national holidays). When submitting the score sheet, any envelope may be used. Please mark the envelope "Contains Score Sheet," and record the department or specialty for which you are applying on the back of the score sheet.

(Note) Score sheets may not be replaced with more recent test results once submitted.

Example: You may not resubmit a different score sheet for the 284th TOEIC public test after submitting a score sheet for the 283th TOEIC public test.

(Note) Score sheets which can be submitted outside of the submission period are limited to score sheets for the 284 or 285th TOEIC public tests.

Example: You may not submit a score sheet for the 283th TOEIC public test or a score sheet for the TOEFL outside of the submission period stated in "3. Period for Submission of Application."

(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.

\* Applicants with a letter of permission (in any format) from the faculty member under whom they expect to study may submit a score sheet for the 283th TOEIC public test or other TOEIC public tests conducted before the 283th test outside of the stated submission period, or may be exempted from submitting a score sheet. Not applicable for those applying for the department of Quantum Science and Energy Engineering, Applied Physics under the Regular Program for Incoming Students from Other Schools (Secondary recruitment).

\*TOEFL, TOEFL iBT, TOEFL ITP, 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 University Evaluation).
*2 Photo ID and examination admission ticket	Photo (4cm high × 3cm wide) must show upper body, facing front with no hat, and have been taken within three months of application. Attach it to the photo ID sheet.
Copy of Residence Record	Should be submitted by foreign applicants 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.)
Examination fee  Please pay 30,000 yen By January 7, and submit attached "Payment Confirmation of Examination Fees"	(1) Payment should be proceeded by ATM or Internet Banking Transaction: * Sender's name should be the applicant's name in Katakana. * Copy of ATM transaction statement or evidence of Internet Banking Transaction should be affixed to the "Payment Confirmation of Examination Fees". * Bank transfer fee should be paid by the applicant. * Only domestic banking transfer is accepted. Amount(金額): 30,000 yen Payment Deadline(納入期限): January 7, 2022 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 イ トウホクダ イ ガク (2) 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: <a href="https://www.eng.tohoku.ac.jp/admission/grad/disaster.html">https://www.eng.tohoku.ac.jp/admission/grad/disaster.html</a> (3) This banking information is only valid within Japan. If you live overseas, please contact the Graduate Academic Affairs Section in advance.
*4 Envelope for submitting application	Fill in the sender's information on the back of the official envelope of this Graduate School and submit.
*5 Return envelope for examination admission ticket	Write your name and address (including postal number) on an official envelope of this Graduate School, and affix 94 yen in postage.
*6 Return envelope for Notification of acceptance	Write your name and address (including postal number) on an official envelope of this Graduate School.

• **Applicants who live outside Japan should pay attention to the following notes.**

- \*1. Written recommendation should be requested to the faculty member. The faculty member will obtain the official form from the office and submit it directly.
- \*2. Photo ID sheet is not required. Only the photo should be submitted.
- \*3 - \*6. Not required.

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

### Regular Program for Incoming Students from Other Schools (Secondary recruitment)

Required documents	Notes
Written consent to take exam	Issued by head of workplace. Required only for those intending to remain employed while in school. (Any format; with official letterhead, signature, seal, etc.)
Written confirmation of the research plan	Required only for those who have received a university education in Japan as foreign students or in an overseas university. Prepared by the faculty member under whom you expect to study. (A letter stating that the faculty member confirms the applicant's research plan.)

### 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
Proof of employment	Issued by head of workplace, showing employment duration, nature of work, and identity. (Any format; with official letterhead, signature, seal, etc.)  Not necessary for those intending to remain employed while in school.
Written consent to take exam	Issued by head of workplace. Required only for those intending to remain employed while in school. (Any format; with official letterhead, signature, seal, etc.)

### Special Selection Program for Foreign Students

Required documents	Notes
Written recommendation	Prepared by a supervising faculty member or equivalent from your university (any format).
Proof of Japanese language proficiency	Prepared by a Japanese instructor or the supervising faculty member, etc. (any format).  Not necessary for those applying to the Department of Mechanical Systems Engineering, Finemechanics, Robotics, or Aerospace Engineering.
Written consent to take exam	Issued by head of workplace. Required only for those intending to remain employed while in school. (Any format; with official letterhead, signature, seal, etc.)
Other reference materials	Papers, reports, etc. demonstrating academic ability.

**Those who wish to study in the Mechanical Systems Engineering, Finemechanics, Robotics, and Aerospace Engineering in Japanese language should apply to Regular Master's Program.**

## ● About acquiring VISA for examination (Temporary Visitor VISA)

Applicants for the Master's Program at the Graduate School of Engineering, Tohoku University, who live outside Japan and need to acquire a "Temporary Visitor VISA (for examination)" should receive an "examination permit" which our university will issue after we receive your application. Those who require us to issue an "examination permit" should include a request letter (any format) along with their application documents. Applicants are also required to send a photo (5cm high ×4cm wide) in addition to the photo for the "photo ID". Please write your name and the name of the department to which you have chosen to apply on the reverse side of the photo.

## 5. 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 Monday, February 28 to Wednesday, March 2, 2022 according to the attached schedule.

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

(Details will be sent directly to each applicant from the department to which the application is made.)

## 6. Announcement of Results

Results are scheduled to be posted around 5:00 p.m. on Monday, March 7, 2022, on the following website (<https://www.eng.tohoku.ac.jp/>).

A letter of acceptance will be mailed to successful applicants. Please note that results cannot be given in response to telephone inquiries.

## 7. Enrollment Procedures, etc.

- (1) The enrollment procedures are scheduled to be processed on Thursday, March 17, 2022. Details of the enrollment procedures will be announced when the acceptance letter is mailed in early March, 2021.
- (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 on the waiving of admission or tuition fees, or permission to defer payment to a later date, etc., will be provided in the enrollment procedures documents sent after the results notification. In addition, regarding procedures such as exemption and deferment of collection, Tohoku University website (<https://www.tohoku.ac.jp/>) Access and "For those who want to study at Tohoku University" → Please click in the order of "Exemption from admission fee and tuition fee"

## 8. 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. Note that this program is applicable only from the beginning of studies, and cannot be entered into after studies have begun.

**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).

\*In principle, this program is limited to students in the Special Selection Program for Working Adults. Persons in other Special Selection programs wishing to be considered may, however, request an examination in advance with the Graduate Academic Affairs Section, Graduate School of Engineering.

**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.

## 9. Handling of Personal Information

- (1) The Graduate School of Engineering of Tohoku University handles personal information in strict compliance with regulations such as the "Act on the Protection of Personal Information Held by Incorporated Administrative Agencies" and the "National University Corporation Tohoku University - Policy on the Protection of Personal Information", taking every precaution to protect personal information.
- (2) Examination results and other personal information obtained in the application process will be used for selection of students for admission, enrollment procedures, follow-up surveys, student support after enrollment (e.g., scholarships, tuition waiver,

health care), student guidance and other academic purposes, as well as in collection of tuition fees, etc.

- (3) After enrollment, the Graduate School may outsource administrative work in educational affairs to third-party companies and provide them, as necessary, with some or all of the student's personal information in compliance with the "National University Corporation Tohoku University - Policy on the Protection of Personal Information".

## 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/> ) under the Admissions menu. Please refer to it when submitting your application.
- (2) **Applications by post are to be sent in the designated envelope as Registered Express Mail. Applicants who live outside Japan may use any envelope.** Applicants will not be automatically notified of the receipt of applications. **Those desiring notification should enclose a postcard with their return address along with their application.**
- (3) Submitted application documents and examination fees cannot be returned.
- (4) 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.
- (5) All other inquiries regarding application for admission should likewise be made to the Graduate Academic Affairs Section, Graduate School of Engineering.
- (6) When requesting printed application forms by mail, enclose a self-addressed return envelope for A4-sized documents (approximately 34 cm by 24 cm) with your name, address and postal code and (Per application guideline) with 250 yen postage (540 yen postage if you wish to mail by express) affixed. You should attach a memo noting the type of application (the name of the selection program) and your phone number or e-mail address. The application forms are written in Japanese. Only applicants who live outside Japan may use downloaded application forms.
- (7) 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, December 1, 2021.

\*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)

(8) 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 2021

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

+Appendix— Admission Screening Examination Schedule for April 2022 Enrollment in Master's Program  
 Regular Program for Incoming Students from Other Schools (Secondary recruitment)  
 Special Selection Programs for Working Adults and for Foreign Students

(A) Regular Program for Incoming Students from Other Schools (Secondary recruitment)

Department	Test Subjects	Date and Time	Description	Remarks
Quantum Science and Energy Engineering	English		At the time of application, submit an original TOEFL® or TOEIC® score sheet no older than two years before the entrance exam. Students whose native tongue is English should contact the department individually.	For applicants who cannot submit any of the score sheets, the application will be accepted only this time even if the score sheet required in the application guidelines is not submitted. In that case, attach as many as possible materials (Eiken, TOEFL ITP, TOEFL iBT Special Home Edition Test, etc.) that support your academic ability in English after entering university
	Math A (mandatory)	Mon., Feb 28 10:00 to 11:00 a.m. (assemble at 9:30)	Differential and Integral Calculus, Linear Algebra, Vector Analysis	(1) Declare the language (Japanese and English) to be taken in advance (inquire from the Department of Quantum Science and Energy Engineering Director's Office). You cannot choose a language different from the declaration. (2) Written test may be waived depending on the applicant's record as indicated on transcripts. (3) Candidates who wish to select chemistry as a specialized subject should check the department website <a href="http://www.qse.tohoku.ac.jp/admission/admission_graduate.html">http://www.qse.tohoku.ac.jp/admission/admission_graduate.html</a> and contact the department of Quantum Science and Energy Engineering Director's Office (Phone: 022-795-7901) Chemistry cannot be selected without prior notice. (4) The scopes of each subject can be found at <a href="http://www.qse.tohoku.ac.jp/admission/admission_graduate.html">http://www.qse.tohoku.ac.jp/admission/admission_graduate.html</a>
	Math B (mandatory)	Mon., Feb. 28 1:00 to 2:00 p.m.	Ordinary Differential Equations, Partial Differential Equations, Fourier Series and Fourier Transforms, Laplace Transforms	
	Specialized subjects (elective)*	Mon., Feb. 28 3:45 to 4:45 p.m.	Thermodynamics, Fluid Dynamics, Strength of Materials, Dynamics of Mechanical Systems, Control Engineering, Materials Science, Electromagnetics, Quantum Mechanics, Chemistry (Chemistry I, II) • Select 2 subjects from the above in advance (Inquire from the Department of Quantum Science and Energy Engineering Director's Office). It is not permitted to select a subject different from the ones notified to the office in advance	

			As for chemistry (Chemistry I and II), there are restrictions on the selection, so follow the remarks column(3).	(5) Calculators or devices such as watches and mobile phones with calculation or communication functions are not allowed in the examination room. (6)Because the written test is likely to be an online test secure the internet environment and PC, WEB camera and smartphone with camera function (or a scanner). For details, we will contact you shortly after the admission ticket is shipped.
	Interview	Wed., Mar. 2 (online. time indicated by your department)	Questions about undergraduate thesis and research plans after entering this program.	Inquire with Mechanical and Aerospace Engineering Academic Affairs Section for details. Phone: 022-795-7030

Department	Test Subjects	Date and Time	Description	Remarks
Applied Physics	English		At the time of application, submit an original TOEFL® or TOEIC® score sheet no older than two years before the entrance exam. TOEFL iBT Home Edition scores are also accepted.	If there are special circumstances, please consult the following inquiries
	Basic subjects	Mon., Feb 28 9:30 to 11:45 a.m	mechanics, electromagnetism, quantum mechanics,	Past entrance exam questions are posted on the following homepage <a href="http://www.apph.tohoku.ac.jp">http://www.apph.tohoku.ac.jp</a> Calculators or devices such as watches or mobile phones with calculation or communication functions are not allowed in the examination room※To prevent the spread of new coronavirus infection, we will notify each applicant if there is any change in the implementation method.
	Specialized subjects	Mon., Feb 28 1:00 to 2:30 p.m	statistical mechanics, condensed matter physics	
	Interview	Mon., Mar. 1 from 9:00 a.m.		
			Department inquiries: Electronic Information System and Applied Physics Academic Affairs Section Phone: 022-795-7186	

## (B) Special Selection Program for Working Adults

Department	Test Subjects	Date and Time	Description	Remarks
Mechanical Systems Engineering, Finemechanics, Robotics, Aerospace Engineering	Math A (elective)*	Mon., Feb. 28, 9:30 to 10:30 (Entry time 8:50)	Differential and Integral Calculus, Linear Algebra, Vector Analysis	<p>(1) On the scope of each subject, inquire with each department or consult the websites below.  <a href="http://www.mech.tohoku.ac.jp/">http://www.mech.tohoku.ac.jp/</a></p> <p>(2) Tests in specialized subjects end at the following times.            If one subject is selected: 16:15.            If two subjects are selected: 16:45.</p> <p>(3) Calculators or devices such as watches and mobile phones with calculation or communication functions are not allowed in the examination room.</p> <p>(4) Interviews are given only for those applicants who pass the written testing.</p> <p>(5) Because the written test is likely to be an online test, secure the internet environment and PC, WEB camera and smartphone with camera function (or a scanner)</p> <p>(6) We will inform you of the type of exams (online exam or on-site exam) when the admission ticket is sent (early February).</p> <p>Inquire with Department of Mechanical and Aerospace Engineering Academic Affairs Section for details.            Phone: 022-795-7030</p>
	Math B (elective)*	Mon., Feb. 28, 13:00 to 14:00	Ordinary Differential Equations, Partial Differential Equations, Fourier Series and Fourier Transforms, Laplace Transforms	
	Specialized subjects (elective)*	Mon., Feb. 28, 15:45 to 16:45	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). The choice of subjects must be notified in advance through the department office. (Inquire from the department office.)			
		Tue., Mar. 1	Spare date of Math and Specialized subjects	
	Interview	Wed., Mar. 2 (time indicated by your department)	Questions about your studies up to now and research plans after entering this program. English ability may also be asked about.	

Department	Test Subjects	Date and Time	Description	Remarks
Quantum Science and Energy Engineering	Math A (elective)*	Mon., Feb. 28, 10:00 to 11:00 a.m, (assemble at 9:30)	Differential and Integral Calculus, Linear Algebra, Vector Analysis	<p>(1) Written test 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 test contact your prospective supervisor.</p> <p>(2) Candidates who wish to select chemistry as a specialized subject should check the department website <a href="http://www.qse.tohoku.ac.jp/admission/admission_graduate.html">http://www.qse.tohoku.ac.jp/admission/admission_graduate.html</a> and confirm the department of Quantum Science and Energy Engineering Director's Office (Phone: 022-795-7901) Chemistry cannot be selected without prior notice.</p> <p>(3) On the scope of each subject, inquire with each department or consult the websites below. <a href="http://www.qse.tohoku.ac.jp/admission/admission_graduate.html">http://www.qse.tohoku.ac.jp/admission/admission_graduate.html</a></p> <p>(4) Tests in specialized subjects end at the following times.</p> <p>If one subject is selected: 4:15 p.m. If two subjects are selected: 4:45 p.m.</p> <p>(5) Calculators or devices such as watches and mobile phones with calculation or communication functions are not allowed in the examination room.</p> <p>(6) Interviews are given only for those applicants who pass the written testing. When and how to notify the written test results will be announced on the first day of testing.</p> <p>(7) Because the written test is likely to be an online test. secure the internet environment PC, WEB camera and smartphone with camera function (or a scanner)For details, we will contact you shortly after the admission ticket is shipped.</p> <p>Inquire with Mechanical and Aerospace Engineering Academic Affairs Section for details. Phone: 022-795-7030</p>
	Math B (elective)*	Mon., Feb. 28, 1:00 to 2:00 p.m.	Ordinary Differential Equations, Partial Differential Equations, Fourier Series and Fourier Transforms, Laplace Transforms	
	Specialized subjects (elective)*	Mon., Feb. 28, 3:45 to 4:45 p.m.	Thermodynamics, Fluid Dynamics, Strength of Materials, Dynamics of Mechanical Systems, Control Engineering, Materials Science, Electromagnetics, Quantum Mechanics, Chemistry(Chemistry I, II) There are restrictions on the choice of chemistry(Chemistry I and II). Follow the remark(2)	
	*Choose any two of the ten subjects (Math A, Math B, and eight specialized subjects) and the language to be taken declare (Japanese or English). The choice of subjects must be notified in advance to the department office. (Inquire from the Department of Quantum Science and Energy Engineering Director's Office.)			
	Interview	Wed., Mar. 2 (online time indicated by the department.)	In approximately 30 minutes (15 minutes for presenting research activities so far and research plan after admission, and 15 minutes for questions and answer. In some cases, English proficiency and basic academic ability will be evaluated.	

Department	Test Subjects	Date and Time	Description	Remarks
Electrical Engineering, Communications Engineering,, Electronic Engineering	Interview	Tue., Mar.1 or Wed., Mar. 2 (time indicated by your department)	Approx. 10-minute presentation about studies up to now and research plans after entering this program. Take five copies of support materials with you.	Oral test about the basic academic ability related the research topic may be charged. ※If there is a change in the subject or implementation method of each test to prevent the spread of new coronavirus infection. the change will be notified at a later date.

Department	Test Subjects	Date and Time	Description	Remarks
Applied Physics	Interview	Tue., Mar. 1, from 9:00 a.m.	English ability may also be asked about.	A specialized interview will take place prior to the entrance exam (late February). ※If there is a change in the subject or implementation method of each test to prevent the spread of new coronavirus infection. the change will be notified at a later date.
Applied Chemistry, Chemical Engineering, Biomolecular Engineering	Short essay	120 minutes, from Mon., Feb. 28 to Tue., Mar. 1	Japanese and English summary	If face-to-face testing cannot be contacted to prevent the spread of new coronavirus infection, the test will be contacted using online tools (Zoom, etc.). Department inquiries: Chemistry and Biomolecular Academic Affairs Section Phone: 022-795-7205 Website: <a href="http://www.che.tohoku.ac.jp/index-j.html">http://www.che.tohoku.ac.jp/index-j.html</a>
	Interview	20 minutes, from Mon., Feb. 28 to Tue., Mar. 1		
Metallurgy, Materials Science, Materials Processing	English		At the time of application, submit an original TOEFL® or TOEIC® score sheet no older than two years before the entrance exam.	(1) For details on the target TOEFL Test/ TOEIC® public test types, etc., please see the website below. <a href="http://www.material.tohoku.ac.jp/admission/index.html/">http://www.material.tohoku.ac.jp/admission/index.html/</a> (2) Schedule etc. will be notified individually. (3) Calculators are not allowed.  *. For more information, Please contact your department or check The website below. <a href="http://www.material.tohoku.ac.jp/admission/index.html">http://www.material.tohoku.ac.jp/admission/index.html</a> *Separately inform test takers of the test Method when face-to-face testing cannot be conducted to prevent the spread of new coronavirus infection.
	Oral test	30 minutes, from Mon., Feb. 28 to Wed., Mar. 2	5 areas: physics, chemistry, materials chemistry, materials science, materials processing.	
	Math	60 minutes, from Mon., Feb. 28 to Wed., Mar. 2	Differential and Integral, Ordinary Differential Equations, Linear Algebra (Vector, procession determinant), Vector Analysis, Complex function theory, Fourier Series and Fourier Transforms, Laplace Transforms, etc.	
	Interview	10 minutes, from Mon., Feb. 28 to Wed, Mar. 2 (same time as oral test)		

				Department inquiries: Materials and Development Office Academic Affairs Phone:022-795-7373
--	--	--	--	---

Department	Test Subjects	Date and Time	Description	Remarks
Civil and Environmental Engineering	Short essay	Mon., Feb. 28, 9:30 to 11:00 a.m.	Topic related to civil and environmental engineering	<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.  <a href="https://www.civil.tohoku.ac.jp/admission/index.html">https://www.civil.tohoku.ac.jp/admission/index.html</a></p> <p>(3) Time and place of the interview will be notified by department.</p> <p>(4) If face-to-face testing cannot be conducted to prevent the spread of new coronavirus infection, the test will be conducted online. Since the online connection will be confirmed before the test, detailed test methods will be notified at that time.</p> <p>Department inquiries:            Civil Engineering and Architecture Academic Affairs Section            Phone: 022-795-7489</p>
	Interview	Mon., Feb. 28	Questions about the research or work at the place of employment, motivation for application, research plans after entering this program, etc.	
Architecture and Building Science	Short essay		The theme of the essay will be sent to the applicant separately. You need to submit by the designated date.	<p>(1) Time and place and of the examination of the interview will be notified by department.</p> <p>(2) If face-to-face testing cannot be conducted to prevent the spread of the New coronavirus infection, the test taker will be notified separately.</p> <p>Department inquiries:            Phone: 022-795-7489 (Civil Engineering and Architecture Academic Affairs Section)</p>
	Oral test	Mon., Feb. 28 or Tue., Mar. 1 (time indicated by your department)	Questions about essay contents	
	Interview	Mon., Feb. 28 or Tue., Mar. 1 (time indicated by your department)	At the same time of the oral test.	

Department	Test Subjects	Date and Time	Description	Remarks
Management Science and Technology	Essay		Logical thinking ability, expressivity, and basic academic ability suitable for studying in this major are evaluated by using essays on general common sense and the specialized fields covered by this major and social issues related to them. A selection-type theme of essay will be sent to the applicant separately in advance. Submit it by the designated date.	<p>(1) Part of the written test may be exempted depending on the contents of the transcript.</p> <p>(2) The date and place of the oral examination will be notified separately depending on your department.</p> <p>Department inquiries Office  Phone: 022-795-3863  Website:  <a href="https://www.most.tohoku.ac.jp">https://www.most.tohoku.ac.jp</a></p>
	Oral examination	Mon., Feb. 28, to Wed., Mar. 2 (Instructed by your department)	The applicant is required to make presentation on the submitted essay and to answer the questions about the content of the essay. The basic academic ability and the compatibility to the research field after admission will be evaluated. The oral examination time is about 30 minutes per person.	

(C) Special Selection Program for Foreign Students

Department	Test Subjects	Date and Time	Description	Remarks
Mechanical Systems Engineering, Finemechanics, Robotics, Aerospace Engineering	English		<p>At the time of application, submit an original TOEFL® or TOEIC® score sheet no older than two years before the entrance exam. Also accept TOEFL iBT Home Edition score.</p> <p>Students whose native tongue is English should contact the department individually.</p>	<p>The application is not acceptable if the applicant, except whose native language is English, is unable to submit the original score sheet within the application period. (The exception is the case in which the applicant submits the score sheet of the specified TOEIC public test after the application period. In this case, the applicant will be assessed as failed if the original score sheet is not submitted by the designated date.)</p> <p>If the Test Date score on the score sheet does not meet the criteria (TOEFL PBT 550 points, TOEFL iBT 79 points, or TOEIC 730 points), the applicant will be assessed as failed.</p>
	Math A (mandatory)	Mon., Feb. 28 9:30 to 10:30 (Entry time 8:50)	Differential and Integral Calculus, Linear Algebra, Vector Analysis	(1) Written testing may be waived depending on the applicant's record as indicated on transcripts.
	Math B (mandatory)	Mon., Feb. 28 13:00 to 14:00	Ordinary Differential Equations, Partial Differential Equations, Fourier Series and Fourier Transforms, Laplace Transforms	(2) On the scope of each subject, inquire with your department or consult the Web sites below. <a href="http://www.mech.tohoku.ac.jp/">http://www.mech.tohoku.ac.jp/</a>
	Specialized subjects (elective)*	Mon., Feb. 28, 15:45 to 16:45	<p>Thermodynamics, Fluid Dynamics, Strength of Materials, Dynamics of Mechanical Systems, Control Engineering</p> <p>*Choose any two of the above listed five specialized subjects.</p>	(3) Calculators or devices such as watches and mobile phones with calculation or communication functions are not allowed in the examination room.
		Tue., Mar. 1	Spare date of Math and Specialized subjects	(4) Interviews are given only for those applicants who pass the written testing.

	Interview	Wed., Mar. 2 (time indicated by your department)	Questions about undergraduate thesis, etc. and research plans after entering this program.	<p>(5) Because the written test is likely to be an online test Secure the internet environment and PC, WEB camera and smartphone with camera function (or a scanner)</p> <p>(6) We will inform you of the type of exams (on-line or on-site exams) when the admission ticket is sent (early February).</p> <p>Inquire with Department of Mechanical and Aerospace Engineering Academic Affairs Section for details. Phone: 022-795-7030</p>
--	-----------	---	--	---

Department	Test Subjects	Date and Time	Description	Remarks
Quantum Science and Energy Engineering	English		At the time of application, submit an original TOEFL® or TOEIC® score sheet no older than two years before the entrance exam. Students whose native tongue is English should contact the department individually.	For applicants who cannot submit any of the score sheets, the application will be accepted only this time even if the score sheet required in the application guidelines is not submitted. In that case, attach as many as possible materials (Eiken, TOEFL ITP, TOEFL iBT Special Home Edition Test, etc.) that support your academic ability in English after entering university
	Math A (mandatory)	Mon., Feb. 28 10:00 to 11:00 a.m. (assemble at 9:30)	Differential and Integral Calculus, Linear Algebra, Vector Analysis	(1) Declare the language (Japanese and English) to be taken in advance (inquire from the Department of Quantum Science and Energy Engineering Director's Office). You cannot choose a language different from the declaration (2) Candidates who wish to study chemistry as a specialized subject should check the department webpage <a href="http://www.qse.tohoku.ac.jp/admission/admission_graduate.html">http://www.qse.tohoku.ac.jp/admission/admission_graduate.html</a> before applying and contact the department of Quantum Science and Energy Engineering Director's Office (Phone: 022-795-7901) Chemistry cannot be selected without prior notice. (3) The scope of each subject can be found at <a href="http://www.qse.tohoku.ac.jp/admission/admission_graduate.html">http://www.qse.tohoku.ac.jp/admission/admission_graduate.html</a> (4) Calculators or devices such as watches and mobile phones with calculation or communication functions are not allowed in the examination room. (5) Interviews are given only for applicants who pass the written testing. When and how to notify the written test results will be announced on the first day of testing.
	Math B (mandatory)	Mon., Feb. 28 1:00 to 2:00 p.m.	Ordinary Differential Equations, Partial Differential Equations, Fourier Series and Fourier Transforms, Laplace Transforms	
	Specialized subjects (elective)*	Mon., Feb. 28, 3:45 to 4:45 p.m.	Thermodynamics, Fluid Dynamics, Strength of Materials, Dynamics of Mechanical systems, Control Engineering, Materials Science, Electromagnetics, Quantum Mechanics Chemistry (Chemistry I, II) • Select 2 subjects from the above in advance (Inquired by the Department of Quantum Science and Energy Engineering Director's Office). It is not permitted to select a subject different from the one notified to the office in advance. As for chemistry (Chemistry I and II), there are restrictions on the selection. Follow the remark(2)	

	Interview	Wed., Mar. 2(Do it online. time indicated by your department)	<p>In approximately 30 minutes (15 minutes for presenting research activities so far and research plan after admission, and 15 minutes for questions and answer).</p> <p>In some cases, English proficiency and basic academic ability will be evaluated</p>	<p>(6) Because the written test is likely to be an online test Secure the internet environment and PC, WEB camera and smartphone with camera function or a scanner. For details, we will contact you shortly when the admission ticket is shipped.</p> <p>Inquire with Mechanical and Aerospace Engineering Academic Affairs Section for details. Phone: 022-795-7030</p>

Department	Test Subjects	Date and Time	Description	Remarks
Electrical Engineering, Communications Engineering, Electronic Engineering	English		At the time of application, submit an original TOEFL® or TOEIC® score sheet no older than two years before the entrance exam. TOEFL iBT Home Edition scores are also accepted.	<p>(1)On the scope of each subject, inquire with your department or consult the website below.<a href="http://www.ecei.tohoku.ac.jp/ecei_web/admission/">http://www.ecei.tohoku.ac.jp/ecei_web/admission/</a></p> <p>(2)Calculators or devices such as watches and mobile phones with calculation or communication functions are not allowed in the examination room.</p> <p>※If there is a change in the subject or implementation method of each test to prevent the spread of new coronavirus infection. the change will be notified at a later date.</p> <p>Department inquiries: Electronic Information System and Applied Physics Academic Affairs Section Phone: 022-795-7186</p>
	Basic subjects	Mon., Feb. 28, 9:40 to 10:40 a.m. (assemble at 9:00)	Choice of 2 questions from the following 6 areas: electromagnetics, electrical circuits, basic information science 1, basic information science 2, basic physics, basic math	
	Specialized subjects	Tue., Mar. 1, 9:40 to 10:40 a.m. (assemble at 9:00)	Choice of 2 questions from the following 6 areas: Electrical engineering, communication engineering, electronic engineering, computer science 1, computer science 2, advanced physics	
	Interview	Tue., Mar. 1 or Wed., Mar. 2 (time indicated by your department)	Approx. 10-minute presentation about your university education or thesis, and research plans after entering this program, etc. Take five copies of support materials with you. To include assessment of Japanese language ability.	

Department	Test Subjects	Date and Time	Description	Remarks
Applied Physics	English		At the time of application, submit an original TOEFL® or TOEIC® score sheet no older than two years before the entrance exam. TOEFL iBT Home Edition scores are also accepted. (Students whose native tongue is English should contact the department individually).	Inquire with department for details Electronic Information System and Applied Physics Academic Affairs Section
	Basic subjects	Mon., Feb. 28, 9:30 to 11:45 a.m.	mechanics, electromagnetism, quantum mechanics, English translations provided as necessary.	Written testing will be waived for foreign student applicants with outstanding qualifications.
	Specialized subjects	Mon., Feb. 28, 1:00 to 2:30 p.m.	statistical mechanics, condensed matter physics. English translations provided as necessary.	A field-specific interview will take place prior to the entrance exam (late February)
	Interview	Tue., Mar. 1 from 9:00 a.m		Calculators or devices such as watches and mobile phones with calculation or communication functions are not allowed in the examination room.  ※If there is a change in the subject or implementation method of each test to prevent the spread of new coronavirus infection. the change will be notified at a later date.  Department inquiries: Electronic Information System and Applied Physics Academic Affairs Section Phone: 022-795-7186
Applied Chemistry, Chemical Engineering, Biomolecular Engineering	Basic subjects	100 minutes  100 minutes from Mon., Feb. 28 to Tue., Mar. 1	Physical chemistry, Analytical chemistry Math, Organic chemistry	If face-to-face testing cannot be contacted to prevent the spread of new coronavirus infection, the test will be contacted using online tools (Zoom, etc.).

	Specialized subjects	50 minutes, from Mon, Feb. 28 to Tue., Mar. 1.	Applicant's field of specialty	Department inquiries: Chemistry and Biomolecular Academic Affairs Section Phone: 022-795-7205 Website: <a href="http://www.che.tohoku.ac.jp/index-j.html">http://www.che.tohoku.ac.jp/index-j.html</a>
	English	50 minutes, from Mon., Feb. 28 to Tue., Mar. 1		
	Interview test	30 minutes, from Mon., Feb. 28 to Tue., Mar. 1		

Department	Test Subjects	Date and Time	Description	Remarks
Metallurgy, Materials Science, Materials Processing	English		At the time of application, submit an original TOEFL® or TOEIC® score sheet no older than two years before the entrance exam.	<p>(1) For details on the target TOEFL Test/ TOEIC® public test types, etc., please see the website below.  <a href="http://www.material.tohoku.ac.jp/admission/index.html/">http://www.material.tohoku.ac.jp/admission/index.html/</a>  (2) Submission of TOEFL/TOEIC score sheet may be waived for qualified applicants. Inquiries with your prospective academic adviser for details.  (3) Schedule etc. will be notified individually.  (4) Calculators are not allowed..</p> <p>* For more information,  Please contact your department or check The website below.  <a href="http://www.material.tohoku.ac.jp/admission/index.html">http://www.material.tohoku.ac.jp/admission/index.html</a>  *Separately inform test takers of the test Method when face-to-face testing cannot be conducted to prevent the spread of new coronavirus infection. Department inquiries:  Materials and  Development Office Academic Affairs  Phone:022-795-7373</p>
	Oral test	30 minutes, from Mon., Feb. 28 to Wed., Mar. 2	5 areas: physics, chemistry, materials chemistry, materials science, materials processing Assessment of Japanese-language ability to be made at this time also.	
	Math	60 minutes, from Mon., Feb. 28 to Wed., Mar. 2	Differential and Integral, Ordinary Differential Equations, Linear Algebra (Vector, procession determinant), Vector Analysis, Complex function theory, Fourier Series and Fourier Transforms, Laplace Transforms, etc.	
	Interview	10 minutes, from Mon., Feb. 28 to Wed., Mar. 2 (same time as oral test)		

Department	Test Subjects	Date and Time	Description	Remarks
Civil and Environmental Engineering	English		At the time of application, submit an original TOEFL® or TOEIC® score sheet no older than two years before the entrance exam.	<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 questions.  <a href="https://www.civil.tohoku.ac.jp/english/admission/index.html">https://www.civil.tohoku.ac.jp/english/admission/index.html</a></p> <p>(3) Time and place of the interview will be notified by department.</p> <p>(4) If face-to-face testing cannot be conducted to prevent the spread of new coronavirus infection, the test will be conducted online. Since the online connection will be confirmed before the test, detailed test methods will be notified at that time.</p> <p>Department inquiries:  Civil Engineering and Architecture Academic Affairs Section  Phone: 022-795-7489</p>
	Basic subjects	Mon., Feb. 28, 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	Mon., Feb. 28, 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]</p>	

			Select two subjects out of the following three subjects: Operations Research, Transportation Planning, and Transportation Engineering.	
	Interview	Mon., Feb. 28 or Tue., Mar. 1	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	Test Subjects	Date and Time	Description		Remarks	
Architecture and Building Science	English		At the time of application, submit an original TOEFL® or TOEIC® score sheet no older than two years before the entrance exam.		<p>(1) Note that test items and times differ for each course.</p> <p>(2) Applicants for the course of urban design must submitting a portfolio of design works. Applicants for other courses also can submitting a portfolio and use for the interview.</p> <p>(3) Question sheets translated in English can also be issued according to the applicants' request. You should inquire with the department office if necessary.</p> <p>(4) Use of calculator, dictionaries is not allowed.</p> <p>(5) See the following website for past questions and scope.  <a href="http://www.archi.tohoku.ac.jp/">http://www.archi.tohoku.ac.jp/</a></p> <p>(6) Time and place of interview will be notified by department.</p> <p>(7) If face-to-face testing cannot be Conducted to prevent the spread of the New coronavirus infection, the test taker will be notified separately.</p> <p>Department inquiries:  Civil Engineering and Architecture Academic Affairs Section  Phone: 022-795-7489</p>	
	Specialized subjects	Mon., Feb. 28, 1:30 to 4:30 p.m.	Architecture and Urban Design Course	Drafting and design		
			Architecture and Urban Planning Course	1 to 3 questions in Issues related to architectural and urban planning, and history of architecture		
			Sustainable Architecture and Building Science Course	1 to 3 questions in each of building environment/ equipment, materials, and structure		
			Structural Engineering for Architecture Course	1 to 3 questions in each of building structural mechanics , s teel structure, RC structure, vibration theory and building disaster prevention engineering		

	Interview	Mon., Feb. 28 or Tue., Mar.1 (time indicated by your department)		
--	-----------	---	--	--

Department	Test Subjects	Date and Time	Description	Remarks
Management Science and Technology	English		At the time of application, submit an original 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 the transcript.</p> <p>(2) The date and place of the oral examination will be notified separately depending on your department.</p> <p>Department inquiries: Office: TEL 022-795-3863 Website: <a href="https://www.most.tohoku.ac.jp">https://www.most.tohoku.ac.jp</a></p>
	Essay		Logical thinking ability, expressivity, and basic academic ability suitable for studying in this major are evaluated by using essays on general common sense and the specialized fields covered by this major and social issues related to them. A selection-type theme of essay will be sent to the applicant separately in advance. Submit it by the designated date.	
	Oral examination	Mon., Feb. 28, to Wed., Mar. 2 (Instructed by your department)	The applicant is required to make presentation on the submitted essay and to answer the questions about the content of the essay. The basic academic ability and the compatibility to the research field after admission will be evaluated. The oral examination time is about 30 minutes per person.	

志望専攻		専攻	受験記号番号
------	--	----	--------

\* Please DO NOT fill in the above blanks

FORM (1/4)

**In A4 sized (21cm × 29.5cm) printing**

2022 Academic Year  
APPLICATION FOR SPRING ENROLLMENT IN MASTER'S PROGRAM  
令和 4 年度  
博士課程前期 2 年の課程入学願書  
(For entry in April 2022)  
(令和 4 年 4 月入学)

\* Check the applicable item (該当項目に印をつける)

- Regular Program for Incoming Students from Other Schools  
(Secondary recruitment) (一般選抜 (第 2 次募集))
- Special Selection Program for Working Adults (社会人特別選抜)
- Special Selection Program for Foreign Students (外国人留学生等特別選抜)

INSTRUCTIONS (記入上の注意)

- The application should be typed if possible, or neatly handwritten in block letters. (明瞭に記入すること。)
- Numbers should be in Arabic numerals. (数字は算用数字を用いること。)
- Years should be written using the Anno Domini system. (年号はすべて西暦とすること。)
- Proper nouns should be written in full and not abbreviated. (固有名詞はすべて正式な名称とし、一切省略しないこと。)

1. Name in full in native language \_\_\_\_\_, \_\_\_\_\_ (Gender)  
(姓名 (自国語)) (Family name) (First name) (Middle name)  Male (男)  
 Female (女)

In Roman block capitals \_\_\_\_\_, \_\_\_\_\_  
(ローマ字) (Family name) (First name) (Middle name)

2. Country or Area \_\_\_\_\_  
(国または地域)

3. Date of birth (生年月日)  
\_\_\_\_\_  
19  
Year (年) Month (月) Day (日) Age (as of April 1, 2022)  
年齢 (2022 年 4 月 1 日現在)

4. Department and academic advisor in Japan (志望専攻名・受入(希望)教員名)  
Department of \_\_\_\_\_ /  Prof.  Associate Prof.

5. Present status (現職)  
Name of the employer: \_\_\_\_\_  
(企業等の名称)  
Section/department: \_\_\_\_\_  
(所属部課等)  
Employment duration: From \_\_\_\_\_ ~ up to now (現在に至る)  
(在職期間) Year (年) Month (月) Day (日)  
After entering to Tohoku University:  remain employed (入学後) (在職のまま)  resign (退職)

\* Check the applicable item

6. Present address and telephone number, facsimile number, e-mail address  
(現住所及び電話, ファックス番号, E-mail アドレス)

現住所 (Present address) : \_\_\_\_\_

電話番号/FAX 番号 (Telephone/facsimile number) : \_\_\_\_\_

E-mail address : \_\_\_\_\_

7. The institution you have graduated / will graduate. (卒業した, あるいは卒業予定の機関)

\_\_\_\_\_

Institution (機関)	Year (年)	Month (月)
------------------	----------	-----------

8. Long Term Study Program (長期履修制度)

Do you wish to apply for the Long Term Study Program?       Yes                       No  
(長期履修制度の適用を希望しますか)                      (希望する)                      (希望しない)

\* Applicants should refer to "8. Eligibility for Long Term Study Program" in the announcement.  
(募集要項「8 長期履修学生制度の適用」を参照のうえ、選択してください。)

9. About the presentation of the score sheet (スコアシートの提出について)

- I submit a TOEFL score sheet or the score sheet of the TOEIC public test to the 283th.  
(TOEFL スコアシートまたは第 283 回までの TOEIC 公開テストのスコアシートを提出します。)
- I submit the score sheet of the 284th or 285 th TOEIC public test by a predetermined method by Wednesday, January 26, 2022.  
(第 284 回または第 285 回 TOEIC 公開テストのスコアシートを所定の方法で令和 4 年 1 月 26 日 (水) までに提出します。)

## 10. Educational background (学歴)

	Name and Address of School (学校名及び所在地)	Year and Month of Entrance and Completion (入学及び卒業年月)	Amount of time spent at the school attended (修学年数)	Diploma or Degree awarded, Major subject (学位・資格, 専攻科目)
Elementary Education (初等教育)	Name (学校名)	From (入学)	years (年)	
Elementary School (小学校)	Location (所在地)	To (卒業)	and months (月)	
Secondary Education (中等教育)	Name (学校名)	From (入学)	years (年)	
Lower Secondary School (中学)	Location (所在地)	To (卒業)	and months (月)	
Upper Secondary School (高校)	Name (学校名)	From (入学)	years (年)	
	Location (所在地)	To (卒業)	and months (月)	
Higher Education (高等教育)	Name (学校名)	From (入学)	years (年)	
Undergraduate Level (大学)	Location (所在地)	To (卒業)	and months (月)	
Graduate Level (大学院)	Name (学校名)	From (入学)	years (年)	
	Location (所在地)	To (卒業)	and months (月)	
Total years of schooling mentioned above (以上を通算した全学校教育修学年数) as of April 1, 2022 (2022年4月1日現在)			years (年)	

\*If the blank spaces above are not sufficient for the information required, please attach a separate sheet.

((注) 上欄に書ききれない場合には、適当な別紙に記入して添付すること。)

11. State the titles or subjects of books or papers (including graduation thesis authored by the applicant), if any, with the name and address of the publisher and the date of publication.

(著書, 論文, (卒業論文を含む。))があればその題名, 出版社名, 出版年月日, 出版場所を記すこと。)

\*Please attach abstracts of those papers to this application. ((注) 論文の概要を添付のこと。)

## 12. Employment Record: Begin with the most recent employment, if applicable. (職歴)

Name and address of organization (勤務先及び所在地)	Period of employment (勤務期間)	Position (役職名)	Type of work (職務内容)
	From To		
	From To		

\* I swear the above is a true statement  
(上記のとおり相違ありません)

Date of application:  
(申請年月日)

\_\_\_\_\_

Applicant's signature:  
(申請者署名)

\_\_\_\_\_

Applicant's name  
(in Roman block capitals):  
(申請者氏名)

\_\_\_\_\_

Student ID number  
\*Only for applicants who are currently enrolled at Tohoku University  
(本学在籍者は学籍番号)

\_\_\_\_\_

(受験票, 合格通知書及び受験ビザを送付するための宛名ラベル)

\* Fill the receiver's name and address of examination admission ticket

To: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_

Postal code \_\_\_\_\_ TEL \_\_\_\_\_

(examination admission ticket)

\* Fill the receiver's name and address of pass notification

To: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_

Postal code \_\_\_\_\_ TEL \_\_\_\_\_

(results notification)

\* Fill the receiver's name and address of "Temporary Visitor VISA (for examination)"

To: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_

Postal code \_\_\_\_\_ TEL \_\_\_\_\_

("Temporary Visitor VISA (for examination)")

受験記号番号 (Do not fill in this box)	
-------------------------------------	--

## 【検定料納付確認書】

### Confirmation for Examination Fee Payment

Department

専攻名：

Name

氏名：

Please affix a copy of ATM transaction statement or evidence of Internet Banking Transaction in the below box and submit with the other application documents.

◀Affix Here▶