2021 Academic Year

Application for Autumn Enrollment in Doctoral Program

(For advancement/entry in October 2021)

Program for Students Advancing from Master's Program of this Graduate School Regular Program for Incoming Students from Other Schools Special Selection Program for Working Adults Special Selection Program for Foreign Students

May 2021

Graduate School of Engineering, Tohoku University

O 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. A broad range of basic engineering knowledge, advanced expertise on their own research fields, and ability to develop them in a flexible manner; and
- 2. Ability to logically present and discuss the significance and outcome of their researches.

\bigcirc 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.

The educational goal of the doctoral program is to nurture human resources performing not only subjective research in the relevant specialized field but also self-enlightenment to active worldwide as a leader in the future.

They are also expected to have a bird's eye view based on social and international demands, having the ability to develop research project with their own ideas to summarize international level papers and to discuss and present at international conferences etc.

○ Diploma Policy

The Graduate School of Engineering, Tohoku University, will award a doctoral degree in engineering to students who pass a review of doctoral thesis and 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. Skills to embark on a new research subject and perform a research from a panoramic perspective that takes social needs into account;
- 2. Skills to solve issues with unique ideas;
- 3. Thinking skills that allow for interdisciplinary application;
- 4. Language proficiency as well as research paper writing, debating and communication skills that are sufficient to make presentations at international academic conferences, etc.;
- 5. Skills to provide research guidance; and
- 6. Basic skills to manage a research or project.

○ 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. Enable students to acquire skills to explore research subjects and perform research from a panoramic perspective that takes social and international needs into account, skills to develop such research subjects by using unique ideas and compile the results into a world-class research paper, and thinking skills that allow for interdisciplinary applications;
- 2. Provide students with language proficiency as well as debating and communication skills that are sufficient to make presentations and participate in discussions at international academic conferences, etc.; and
- 3. Equip students with skills that allow them to provide research guidance in their fields of expertise.

In order to execute the above policies, the Graduate School of Engineering offers Common Subjects, and each department offers Interdisciplinary Basic Subjects, Major General Subjects, and Related Subjects. The overall educational curriculum of the master's and doctoral program is presented in the curriculum map. The Interdisciplinary Basic Subjects are mainly provided in lecture-based courses, and the Major General Subjects consists of special lectures, special seminars, doctor course seminars, 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. The Doctor Course Seminar is provided to foster the ability to conduct and develop advanced research, and acquire a wide perspective, language skill and debating skill.

In the lecture-based subjects, the faculty member in charge of the lecture will assess the student's basic knowledge, basic academic skill, specialized knowledge, etc. by using regular examinations, reports, etc. Details of the grade evaluation method are described in the syllabus for each subject. In the Doctor Course Seminar, the academic advisor will evaluate the following abilities based on research activity in the laboratory, presentation at domestic and international conferences, the doctor thesis and its defense.

- 1) Ability to design and conduct research or projects
- 2) Ability to investigate and analyze academic papers and technical materials
- 3) Basic academic skills necessary to write academic papers to meet international standards
- 4) Ability to evaluate research in related fields
- 5) Presentation and communication skills sufficient to present research results at international conferences
- 6) Ability to advise and guide research for undergraduate and master's course students

Department	Admission Quota	Department	Admission Quota
Mechanical Systems Engineering	A Few	Applied Chemistry	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	"

1. Departments and Admission Quotas

2. Qualifications for Application

- Applicants who are currently in the first two years of a graduate studies program at this Graduate School and who expect to receive their master's degree by September 2021 may apply for **advancement to the three-year doctoral program**.
- Applicants other than the above for whom any of qualifications (1) to (8) below is true may apply for admission as General Applicants from Other Schools.
- 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 entrance. The applicant must also satisfy at least one of the following qualifications (1) to (8) below is applicable.
- 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 (1) to (8) below is applicable.

The applicant must:

(1) Have earned a master's degree or professional degree, or expect to earn such a degree by September 2021.

- (2) Have earned a master's degree or equivalent professional degree, or expect to earn such a degree by September 2021, in the graduate school of a foreign university.
- (3) Have earned a master's degree or equivalent professional degree, or expect to earn such a degree by September 2021, by taking correspondence courses in Japan offered by schools outside Japan.
- (4) Have earned a master's degree or equivalent professional degree, or expect to earn such a degree by September 2021, by completing a course 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 a graduate school in that country.
- (5) Have earned a master's degree or equivalent professional degree, or expect to earn such a degree by September 2021, by graduating a program of the United Nations University.
- (6) Have been recognized as having achieved at least the academic equivalent of a master's degree through an educational program offered at following institutions (a) to (c), and have passed the equivalency examination and screening process as stipulated in Clause 2, Article 16 of the Standards for the Establishment of a Graduate School (Act No. 28, 1974).
 (a) Foreign schools
 - (b) Educational institutions which have the curriculum of a graduate program
 - (c) The United Nations University
- (7) Meet either of the following criteria for eligibility specified by the Minister of Education, Culture, Sports, Science and Technology:
 - (a) Have carried out research in a university or research institute, etc. for two or more years after graduating from university, and be recognized by this Graduate School as having achieved at least the equivalent academic abilities of someone with a master's degree on the basis of those research accomplishments.
 - (b) Have carried out research in a university or research institute, etc. for two or more years after completing 16 years of course studies overseas, or after completing, in Japan, 16 years of foreign school course studies by means of correspondence courses conducted by foreign schools, and be recognized by this Graduate School as having achieved at least the equivalent academic abilities of someone with a master's degree on the basis of those research accomplishments.
- (8) Be aged 24 or above and, through individual admission qualification screening, be recognized by this Graduate School as having achieved at least the equivalent academic abilities of someone with a master's degree.
 - **Note 1:** Applicants who are employed by Tohoku University should contact the Graduate Academic Affairs Section, Graduate School of Engineering in advance.
 - **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 (7) should contact the head of the department in which they expect to major in advance regarding their qualifications to apply. The following documents will be needed at that time.

Required documents	Notes
Certification of research or work experience	Issued by the head of the place of work or research, certifying two or more years of engagement as engineer, instructor, researcher, etc. (any format; with official letterhead, signature, seal, etc.).
Summary of research or work	Research/work carried out during time spent working as an engineer, instructor, researcher, etc. (approximately 2 A4-size pages).
Academic transcript	Issued by the dean of the school from which you graduated.
Other reference materials	Copies of technical papers, patent announcements, etc.

Note 4: Applicants applying under qualification (8) 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 will be received from Monday, June 14 to Thursday, June 24, 2021 during the office hours from 9:00 a.m. to 4:00 p.m. (except the hours from 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 Friday 25 of June

(Applications will not be accepted on Saturdays or Sundays)

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 Procedures

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,

*Submit original certification documents. Photo copies, digital files, or printouts of digital

files are not considered to be original documents.

- * When you fill in application documents, please use a black pen (using pencils or erasable pens by friction are not allowed).
- *If any false description would be found in application documents, entrance approval may be cancelled even after enrollment.

[I] Applicants currently enrolled in the two-year master's program of this Graduate School applying for advancement to the three-year doctoral program

Required documents	Notes
Application for advancement	Use an official application form for this Graduate School.
Examination admission ticket	Use an official application form for this Graduate School.
Envelope for submitting application	Fill in the sender's information on an official envelope of this Graduate School and submit.
Return envelope for examination admission ticket	Write your name and address (including postal number) on an official envelop of this Graduate School, and affix 94 yen in postage.
Return envelope for results notification	Write your name and address (including postal number) on an official envelop of this Graduate School, and affix 540 yen in postage.

- **Note 1:** The documents to be submitted when applying for admission to a department other than your current affiliated department are different from those indicated above. Please contact the Graduate Academic Affairs Section, Graduate School of Engineering in advance.
- **Note 2:** Applicants who would like to remain employed while in school should submit written consent to take the exam (issued by head of workplace, any format, with official letterhead, signature, seal, etc.) in addition to the documents above.

[II] Applicants other than [I] applying under qualifications (1) to (5)

Required documents	Notes
Application for admission	Use an official application form for this Graduate School.
*1 Written recommendation	Prepared by the expected supervisor, using an official form for this Graduate School. (If a recommendation cannot be submitted, instead submit 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)

Graduate school transcript	Issued by the dean of your graduate school.
	Should be submitted by applicants corresponding to the followin categories (1) or (2); not necessary for those applying to the Applie Chemistry, Chemical Engineering, Biomolecular Engineering, Civi and Environmental Engineering, or Architecture and Buildin Science departments.
	(1) General Applicants from Other Schools or applicants for th Special Selection Program for Foreign Students applying to study i the Mechanical Systems Engineering, Finemechanics, Robotics Aerospace Engineering, Quantum Science and Energy Engineering Electrical Engineering, Communication Engineering, Electroni Engineering, Applied Physics, Metallurgy, Materials Science Materials Processing, Civil and Environmental Engineering, o Management Science and Technology departments.
Original of TOEFL®Test /TOEIC® Public Test score sheets	(2) General Applicants for the Special Selection Program fo Working Adults applying to study in the Metallurgy, Material Science, or Materials Processing departments.
Valid tests: TOEFL®Test PBT, TOEFL iBT®Test, TOEIC® Public Test	Submitted originals of TOEFL®Test /TOEIC®Test score sheets winnot be returned. However, TOEFL®Test "Test Taker Score Reports" can be returned on the day of the entrance examination requested at the time of application.
	<u>The TOEFL institution code of the Graduate School of Engineering</u> <u>Tohoku University is 8958.</u>
	<u>*TOEFL iBT's "My Best™ Score" will not be used for preliminar</u> screening at Graduate School of Engineering.
	 When submitting a score sheet for the TOEFL®Test or for the 267th TOEIC® public test or other TOEIC public tests conducted before the 267th 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 any of the 268th to 271st TOEIC public test: Please submit all application documents, except the score sheet within the submission period stated in "3. Period for Submission of the score sheet stated in "3. Period for Submission stated in "3. Period for Submission
Original of TOEFL®Test /TOEIC® Public Test score	Application." • Please submit the score sheet to the address stated in "3. Period for Submission of Application" by Tuesday, August 3 (application will not be accepted on Saturdays, Sundays, or holidays). Whe submitting the score sheet, any envelope may be used. Please mar
sheets Valid tests:	the envelope "Contains Score Sheet," and record the department of specialty for which you are applying on the back of the score sheet.
TOEFL®Test PBT, TOEFL iBT®Test,	(Note) Score sheets may not be replaced with more recent tes results once submitted.

	or 270st TOEIC [®] public test after submitting a score sheet for 267th TOEIC [®] public test.
	(Note) Score sheets which can be submitted outside of submission period are limited to score sheets any of the 268th 271st TOEIC [®] public tests. Example: You may not submit a score sheet for the 267th TOE public test or a score sheet for the TOEFL [®] Test outside of submission period stated in "3. Period for Submission of Application
	(Note) There are required scores for those applying under Special Selection Program for Foreign students to study in Mechanical Systems Engineering, Finemechanics, Robotics, Aerospace Engineering. For details, please see the appendix.
	* Applicants with a letter of permission (in any format) from expected supervisor may submit a score sheet for the 267th TOE public test or other TOEIC [®] public tests conducted before the 26 test outside of the stated submission period, or may be exemp from submitting a score sheet.
	*TOEFL [®] , TOEFL [®] iBT, TOEFL [®] ITP, and TOEIC [®] are registed trademarks of Educational Testing Service (ETS).
Certificate of (expected) completion or of degree conferral	Issued by the dean of your graduate school or by the NIAD (Nation Institution for Academic Degrees and Quality Enhancemen Higher Education).
Undergraduate transcript	Issued by the dean of the university from which graduated
Copy of master's thesis	If thesis cannot be submitted, a summary of research shall substituted (approximately 2 A4-size pages)
*2 Photo ID and examination admission ticket	Photo (4cm high x 3cm wide) must show upper body, facing f with no hat, and have been taken within three months application. Attach it to the photo ID sheet.
Copy of Residence Record	Should be submitted by foreign applicants residing in Japan wh period of stay is over 90 days.(The residence record should be iss within 3 months and indicates residence status without Individ Number.)
Examination fee	(1)Payment should be proceeded by ATM or Internet Banking Transaction:
Please pay 30,000 yen By June 23, and submit attached	 * 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.
"Payment Confirmation of Examination Fees"	* Only domestic banking transfer is accepted. Amount(金額): 30,000 yen Payment Deadline(納入期限): June 23, 2021 Bank(銀行): Mitsubishi UFJ Bank (三菱UFJ 銀行)

	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): ダ1)やカマクダイガク (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: https://www.eng.tohoku.ac.jp/admission/grad/disaster.html (3) This banking information is only valid within Japan. If you live overseas, please contact the Graduate Academic Affairs Section in advance.
*3 Envelope for submitting application	Fill in the sender's information on an official envelope of this Graduate School and submit.
*4 Return envelope for examination admission ticket	Write your name and address (including postal number) on an official envelop of this Graduate School, and affix 94 yen in postage.
*5 Return envelope for results notification	Write your name and address (including postal number) on an official envelope of this Graduate School, and affix 540 yen in postage.

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

***1.** Written recommendation should be requested to the expected supervisor . The expected supervisor will obtain the official form from the office and submit it directly.

***2.** Only the photo should be submitted.

*3 - *5. Not required.

In addition to the above documents, submit the following documents required to the Program you wish to apply.

Regular Program for Incoming Students from Other Schools

Required documents	Notes
Written consent to take exam	Issued by head of workplace, showing employment duration, nature of work, and identity. (Any format; with official letterhead, signature, seal, etc.)
	Only for those intending to remain employed while in school.
Proof of Japanese language proficiency	Foreign students or those who received a university education overseas who wish to apply to the Mechanical Systems Engineering, Finemechanics, Robotics, and Aerospace Engineering are required to submit this, which is prepared by a Japanese instructor or the

	prospective professor (any format).

Special Selection Program for Working Adults

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

Special Selection Program for Foreign Students

Required documents	Notes
Written recommendation	Prepared by a supervising faculty member or equivalent from your graduate school or university (any format).
Proof of Japanese language proficiency	Prepared by a Japanese instructor or (prospective) professor, etc. (any format). Not necessary for those applying to the Mechanical Systems Engineering, Finemechanics, Robotics, or Aerospace Engineering.
Written consent to take exam	Issued by head of workplace. (Any format; with official letterhead, signature, seal, etc.) Only for those intending to remain employed (both domestic and foreign) while in school.
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 Doctoral Program.

[III] Applicants applying under qualification (7)

Required documents	Notes
Application for admission	Use an official application form for this Graduate School.

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Research plan	Approximately 1 A4-size page
*1 Written	Prepared by the expected supervisor, using an official form for this Graduate School. (If a recommendation cannot be submitted, submit instead a letter of acceptance by the expected supervisor).
recommendation	(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
	Should be submitted by applicants corresponding to the following categories (1) or (2); not necessary for those applying to the Applied Chemistry, Chemical Engineering, Biomolecular Engineering, Civil and Environmental Engineering, or Architecture and Building Science departments. (1) General Applicants from Other Schools or applicants to the
	Special Selection Program for Foreign Students applying to study in the Mechanical Systems Engineering, Finemechanics, Robotics, Aerospace Engineering, Quantum Science and Energy Engineering, Electrical Engineering, Communication Engineering, Electronic Engineering, Applied Physics, Metallurgy, Materials Science, Materials Processing, Civil and Environmental Engineering, or Management Science and Technology departments.
Original of	(2) General Applicants to the Special Selection Program for Working Adults applying to study in the Metallurgy, Materials Science, or Materials Processing departments.
TOEFL®Test /TOEIC® Public Test score sheets	
Valid tests: TOEFL®Test PBT,	Submitted originals of TOEFL®Test /TOEIC®Test score sheets will not be returned. However, TOEFL®Test "Test Taker Score Reports" can be returned on the day of the entrance examination if requested at the time of application.
TOEFL iBT®Test, TOEIC® Public Test	<u>The TOEFL institution code of the Graduate School of Engineering,</u> <u>Tohoku University is 8958.</u>
	<u>*TOEFL iBT's "My BestTM Score" will not be used for preliminary</u> screening at Graduate School of Engineering.
	• 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 any of the 268th to 271st TOEIC [®] public test:
	• Please submit all 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 Tuesday, August 3 (applications will not be accepted on Saturdays, Sundays, or 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.
Original of	(Note) Score sheets may not be replaced with more recent test results once submitted.
TOEFL®Test /TOEIC® Public Test score sheets	Example: You may not resubmit a different score sheet for the 268th or 270st TOEIC [®] public test after submitting a score sheet for the 267th TOEIC [®] public test.
Valid tests: TOEFL®Test PBT, TOEFL iBT®Test,	(Note) Score sheets which can be submitted outside of the submission period are limited to score sheets any of the 268th to 271st TOEIC® public tests.
TOEIC [®] Public Test	Example: You may not submit a score sheet for the 267th TOEIC [®] public test or a score sheet for the TOEFL [®] Test 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 expected supervisor may submit a score sheet for the 267th TOEIC® public test or other TOEIC® public tests conducted before the 267th test outside of the stated submission period, or may be exempted from submitting a score sheet.
	*TOEFL [®] , TOEFL [®] iBT, TOEFL [®] ITP, and TOEIC [®] are registered trademarks of Educational Testing Service (ETS).
Certificate of completion or of degree conferral	Issued by the dean of the university from which graduated or by the NIAD (National Institution for Academic Degrees and Quality Enhancement of Higher Education).
Certification of research or work experience	Issued by the head of the place of work or research, certifying two years or longer of engagement as engineer, instructor, researcher, etc. (Any format; with official letterhead, signature, seal, etc.)
*2 Photo ID and examination admission ticket	Photo (4cm high x 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.)
	(1)Payment should be proceeded by ATM or Internet Banking
Examination fee	Transaction:
	* Sender's name should be the applicant's name in Katakana.
Please pay 30,000 yen	* Copy of ATM transaction statement or evidence of Internet
By June 23, and	Banking Transaction should be affixed to the "Payment Confirmation
submit attached	of Examination Fees".
	* Bank transfer fee should be paid by the applicant.
"Payment	* Only domestic banking transfer is accepted.
Confirmation of	Amount(金額): 30,000 yen
Examination Fees"	Payment Deadline(納入期限): June 23, 2021
	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): ダ1)トウホクダ1ガ2
	(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:
	https://www.eng.tohoku.ac.jp/admission/grad/disaster.html
	(3) This banking information is only valid within Japan. If you live
	overseas, please contact the Graduate Academic Affairs Section in
	advance.
	<u>.</u>
*2 Envelope for	Fill in the sender's information on an official envelope of this
submitting	Graduate School and submit.
application	
approation	
*3 Return envelope for	Write your name and address (including postal number) on an official
examination	envelop of this Graduate School, and affix 94 yen in postage.
admission ticket	
*4 Return envelope for	Write your name and address (including postal number) on an official
results notification	envelope of this Graduate School, and affix 540 yen in postage.

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

***1.** A written recommendation should be requested to the expected supervisor. The expected supervisor will obtain the official form from the office and submit it directly.

***2.** Only the photo should be submitted.

*3 - *5. Not required.

In addition to the above documents, submit the following documents required to the Program you wish to apply.

Regular Program for Incoming Students from Other Schools

Required documents	Notes
Written consent to take	Issued by head of workplace, showing employment duration, nature of work, and identity.
exam	(Any format; with official letterhead, signature, seal, etc.)
	Only for those intending to remain employed while in school.
Proof of Japanese language proficiency	Foreign students or those who received a university education overseas who wish to apply to the Mechanical Systems Engineering, Finemechanics, Robotics, and Aerospace Engineering are required to submit this, which is prepared by a Japanese instructor or the prospective professor (any format).

Special Selection Program for Working Adults

Required documents	Notes
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, showing employment duration, nature of work, and identity.
	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 the equivalent from your university (any format).
Proof of Japanese language proficiency	Prepared by a Japanese instructor or (prospective) professor, etc. (any format). Not necessary for those applying to the Mechanical Systems Engineering, Finemechanics, Robotics, or Aerospace Engineering.
Written consent to take exam	Issued by head of workplace. Only for those intending to remain employed (both domestic and foreign) 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 Doctoral Program.

[IV] Applicants applying under qualification (6),(8)

Please contact the Graduate Academic Affairs Section, Graduate School of Engineering.

• About acquiring VISA for examination (Temporary Visitor VISA)

Applicants for the Doctoral 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 down 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

Examination dates: To take place from Tuesday, August 24 to Thursday, August 26, 2021 according to the attached schedule.

Location: Graduate School of Engineering, Tohoku University (details will be sent directly to each applicant from the department to which the application was made)

- Applicants for the Special Selection Program for Working Adults will be selected based on overall consideration of a written essay, oral interview test results, and submitted documents.
- Applicants for the Special Selection Program for Foreign Students will be selected based on overall consideration of a written test or essay, oral interview test results, language proficiency, and submitted documents.

6. Announcement of Results

Results are scheduled to be posted around 5:00 p.m. on Wednesday, September 1, 2021, on the website (<code>https://www.eng.tohoku.ac.jp/</code>)

Notification of results will also be mailed to applicants. Please note that results cannot be given in response to telephone inquiries.

7. Enrollment Procedures, Etc.

- (1) Enrollment procedures are scheduled to be processed on Tuesday, September 14, 2021. Details of the enrollment procedures will be announced when the acceptance letter is mailed in the early September, 2021.
- (2) Fees necessary at the time of enrollment

Students entering from another school

- (a) Admission fee: 282,000 yen (tentative)
- (b) Tuition: 267,900 yen for one semester (annual 535,800 yen) (tentative)

Advancing students

- (a) Admission fee: None (students are expected to have completed the first two years of this Graduate School's doctoral program and as such will have already paid the admission fee)
- (b) Tuition: 267,900 yen for one semester (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.

8. Eligibility for the 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 three years in order to receive their 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 doctoral students pay the same amount over the length of their studies as those enrolled in the standard three-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 registration procedure. Note that this program is applicable only from the beginning of doctoral studies, and cannot be entered into after studies have begun.

- **Note 1:** To be eligible for this program, the applicant who (1) is employed by a company or be selfemployed, (2) needs maternity leave, or is engaged in child or family care, or (3) is 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 six years, but it is possible to request that the allowed 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, and 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) 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.
- (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) When requesting printed application forms by mail, enclose a self-addressed return envelope for A4sized documents (approximately 34cm x 24cm) with your name, address, and postal code, and with 250 yen postage 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.
- (6) Applicants desiring consultation regarding the need for assistance or other consideration in taking the examination or conducting your studies should make 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 Monday, May 31, 2021. *Information to be indicated in making application:

- (a) Name, address, and phone number of applicant
- (b) University, etc. from which the applicant has graduated
- (c) Any special considerations desired when taking examination
- (d) Any special considerations desired in the study environment
- (e) Nature of considerations provided up to now
- (f) Other relevant information about daily life circumstances
- (g) Reference materials (if currently under medical treatment, enclose a medical certificate issued by your physician
- (7) 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.

May 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 Appendix— Admission Screening Examination Schedule for October 2021 Enrollment in Doctoral Program Program for Students Advancing from Master's Program of this Graduate School Regular Program for Incoming Students from Other Schools Special Selection Programs for Working Adults and for Foreign Students

Department	Test Subjects	Date and Time	Description	Remarks		
Mechanical Systems Engineering, Finemechanics, Robotics, Aerospace Engineering	Selection to be made separately by the department.			Department inquiries: Systems Science and Mechanical Engineering Academic Affairs Section Phone: 022-795-7030		
Quantum Science and Energy Engineering	Selection to be made	e separately by the d	epartment.	Department inquiries: Systems Science and Mechanical Engineering Academic Affairs Section Phone: 022-795-7030		
Electrical Engineering, Communications Engineering, Electronic Engineering	Selection to be made separately by the department. *To prevent the spread of new coronavirus infection, we will notify each applicant if there is any change in the implementation method.					
Applied Physics	Selection to be made separately by the department.					
Applied Chemistry, Chemical Engineering, Biomolecular Engineering	Selection to be made separately by the department. Selection to be made separately by the department. Department inquiries: Office: 022-795-7205 Website: http://www.che.tohoku.ac.jp/index-j.h					
Metallurgy, Materials Science, Materials Processing	Selection to be made	e separately by the d	epartment.			

(A) Program	for	Student	s Advai	ncing fr	rom Ma	aster's	Program	of this	Graduate	School
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			.		
Department	Test Subjects	Date and Time	Description	Remarks	
Civil and Environmental Engineering	Interview	Wed., Aug. 25	Ask questions about research content, etc	 (1) Calculators, dictionaries, or devices such as watches or mobile phones with calculation or communication functions are not allowed to in the examination room. (2)Time and place of the interview will be notified in advance. (3) Inquire with the department for details. (4) To prevent the spread of new coronavirus infection, we will notify each applicant if there is any change in the implementation method. Phone: 022-795-7489 (Civil Engineering and Architecture Academic Affairs Section) 	
	Screening of application document		Research plans	 (1) Time and place of the interview will be notified by the department office. (2) interviews online May be implemented. 	
Architecture and Building Science	Interview Tue., Aug. 24 or Wed., Aug. 25 or Thu., Aug. 26			 (3) An additional assignment may need to be submitted according to the situation. (4) Department inquiries: Civil Engineering and Architecture Academic Affairs Section Phone 022-795-7489 	
Management Science and Technology	Selection to be made separately by department.				

(B) Regular Program for Incoming Students from Other Schools

Department	Test Subjects	Date and Time	Description	Remarks
	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.	The application is not acceptable if the applicant, except those whose native language is English, is unable to submit the original score sheet within the application period. (Exception if the applicant is able to submit the score sheet of the adequate TOEIC public test after application period. In either case, it is "failed" if the original score sheet is not submitted by the designated date.)
Mechanical Systems Engineering, Finemechanics, Robotics Aerospace Engineering,	Math A (mandatory)	Tue., Aug. 24, 9:30 to 10:30 a.m. (assemble at 8:50)	Differential and Integral Calculus, Linear Algebra, Vector Analysis	 (1) The written test may be waived depending on the applicant's record as indicated on transcripts. (2) On the scope of each subject, inquire
	Math B (mandatory)	Tue., Aug. 24, 1:00 to 2:00 p.m.	Ordinary Differential Equations, Partial Differential Equations, Fourier Series and Fourier Transforms, Laplace Transforms	 (2) On the scope of each subject, inquire with the department or confirm with the website below. http://www.mech.tohoku.ac.jp/ (3) Calculators or devices such as watches
	Specialized subjects (elective)*	Tue., Aug. 24, 3:45 to 4:45 p.m.	Thermodynamics, Fluid Dynamics, Strength of Materials, Dynamics of Mechanical Systems, Control Engineering *Choose any two of the above listed five subjects.	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. When and how they will be notified of the written test results will be announced on
	Interview	Thu., Aug. 26 (time indicated by the department)	Questions about your master's thesis, etc. and research plans after entering this program.	 the first day of the exam. (5)Wed.,Aug 25th will be a spare day. so leave it open. Department inquiries: Systems Science and Mechanical Engineering Academic Affairs Section Phone: 022-795-7030

Department	Test Subjects	Date and Time	Description	Remarks
Department	1 est Subjects	Date and Time	Description	For applicants who cannot submit any of
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 much as possible materials (Eiken, TOEFL ITP, TOEFL iBT Special Home Edition Test, etc.) If none of these are available, attach the undergraduate transcript (students of the Faculty of Engineering of the Tohoku University do not need to submit the transcript of the university).
	Math A (mandatory)	Tue., Aug. 24, 10:00 to 11:00 a.m. (assemble at 9:30)	Differential and Integral Calculus, Linear Algebra, Vector Analysis	 (1) The written test may be waived depending on the applicant's record as indicated on transcripts. (2) On the scope of each subject, inquire with the department or confirm with the
	Math B (mandatory)	Tue., Aug. 24, 1:00 to 2:00 p.m.	Ordinary Differential Equations, Partial Differential Equations, Fourier Series and Fourier Transforms, Laplace Transforms	 website below. http://www.qse.tohoku.ac.jp/ (3) Calculators or devices such as watches or mobile phones with calculation or communication functions are not allowed
	-	Tue., Aug. 24, 3:45 to 4:45 p.m.	Thermodynamics, Fluid Dynamics, Strength of Materials, Dynamics of Mechanical Systems, Control Engineering, Materials Science, Electromagnetics, Quantum Mechanics *Choose any two of the above listed eight subjects.	 in the examination room. (4) Interviews are given only for those applicants who pass the written testing. When and how they will be notified of the written test results will be announced on the first day of testing.
	Interview		Questions about your master's thesis, etc. and research plans after entering this program.	(5) To prevent the spread of new coronavirus infection, we will notify each applicant if there is any change in the implementation method.Department inquiries: Systems Science

Department	Test Subjects	Data and Time	Description	Bomonka
Department	Test Subjects	Date and Time	Description	Remarks and Mechanical Engineering Academic Affairs Section Phone: 022-795-7030
	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.	 (1) The written testing may be waived depending on the applicant's record as indicated on transcripts. (2) On the scope of each subject, inquire with the department or confirm with the website below. http://www.ecei.tohoku.ac.jp/ecei_web/admi
Electrical Engineering, Communications Engineering, Electronic Engineering	Basic subjects	Tue., Aug. 24, 9:30 to 11:30 a.m. (Meeting time 9: 00 a.m.)	Choose 2 questions from the following 6 areas: electromagnetics, electrical circuits, basic information science 1, basic information science 2, basic physics, basic mathematics	 (3) 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
Ir	Interview Wed., Aug. 25 or Thu., Aug. 26 (time indicated by the department)	Approx. 20-minute presentation about your university education or master's thesis, and research plans after entering this program, etc. Bring three copies of support materials with you.	there is any change in the implementation method. Department inquiries: Electronic Information System and Applied Physics Academic Affairs Section Phone: 022-795-7186	

Department	Test Subjects	Date and Time	Description	Remarks
	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.	The field-specific interview will be held prior to the entrance exam (late August) Calculators or devices such as watches or mobile phones with calculation or
Applied Physics	Basic subjects	Tue., Aug. 24, 9:30 to 11:45 a.m.	3 questions : mechanics, electromagnetism, quantum mechanics,	in the examination room. *To prevent the spread of new coronavirus
	Specialized subjects	Tue., Aug. 24 1:00 to 2:30 p.m.	2 questions:statistical mechanics, condensed matter physics.	infection, we will notify each applicant if there is any change in the implementation method.
	Interview	Wed, Aug. 25, from 9:00 a.m.	Presentation on master's thesis for 10 min. and oral test.	Department inquiries: Electronic Information System and Applied Physics Academic Affairs Section Phone: 022-795-7186
Applied Chemistry, Chemical Engineering, Biomolecular Engineering	Specialized subjects	Tue., Aug. 24, 9:00 to 11:30 a.m.	Choice of 3 questions from total of 8 (2 each in inorganic and physical chemistry, organic chemistry, biochemistry, and chemical engineering)	 (1) To prevent the spread of new coronavirus infection, we will notify each applicant if there is any change in the implementation method. (2) For epidemic prevention reasons
	English	Tue., Aug. 24, 1:00 to 2:00 p.m.		The test schedule may change. Department inquiries:
	Interview test	Tue., Aug. 24 from 3:00 p.m.	Summary presentation about master's thesis and oral test	Office: 022-795-7205 Website: http://www.che.tohoku.ac.jp /index-j.html

Department	Test Subjects	Date and Time	Description	Remarks
	English		At the time of application, submit an original TOEFL ®or TOEIC® score sheet no older than two years before the entrance exam.	 (1) Please refer to the following website to ensure further details, especially the types of TOEFL[®] Test/TOEIC[®] scores to meet the admission requirement. http://www.material.tohoku.ac.jp /admission/index.html
	General field- specific subjects	Tue., Aug. 24 to Thu., Aug. 26 (40 minutes)	Oral test in physics, chemistry, materials chemistry, materials properties of matter, and materials processing.	(2) The English test may be waived for those who have completed master's programs at this school.
Metallurgy, Materials Science, Materials Processing	Designated field-specific subjects	Tue., Aug. 24 to Thu., Aug. 26 (40 minutes)	Oral presentation about master's thesis or research conducted after completing master's degree.	 (3) Schedules etc. will be notified individually. *Contact the department for more information or check on the following homepage http://www.material.tohoku.ac.jp /admission/index.html * To prevent the spread of new coronavirus infection,we will notify each applicant if there is any change in the implementation method. *Inquire with the department for details. Academic Affairs Section: 022-795-7373
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. TOEFL iBT Home Edition scores are also accepted.	 (1) Time and place of the interview will be notified by the department. (2) Inquire with the department for details. (3) To prevent the spread of new
	Oral test	Tue., Aug. 24	Within 15-minute presentation on master's thesis (completed or in progress; may use PC), followed by questions about the presentation contents.	coronavirus infection, we will notify each applicant if there is any change in the implementation method. Inquire with the department for details.

Department	Test Subjects	Date and Time	Description	Remarks
	Interview	Tue., Aug. 24		Phone: 022-795-7489 (Civil Engineering and Architecture Academic Affairs Section)
	Oral test	Tue., Aug. 24 or Wed., Aug. 25 or Thu., Aug. 26	Presentation on master's thesis or equivalent study and research plans (may use PC), followed by questions about presentation contents.	(1) Time and place of the interview will be notified by the department.(2) Oral exams and interviews online May be implemented.
Architecture and Building Science	Interview	Tue., Aug. 24 or Wed., Aug. 25 or Thu., Aug. 26	At the same time of the oral test.	 (3) An additional assignment may need to be submitted according to the situation. (4) Inquire with the department for details. Department inquiries: Civil Engineering and Architecture Academic Affairs Section Phone 022-795-7489
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.	Time and place for the oral test will be notified by the department. Department inquiries:
	Oral test	Tue., Aug. 24 to Thu., Aug. 26 (time indicated by the department)	Presentation on research up to now and plans for research after entering program, followed by questions on presentation contents, etc.	Office: 022-795-3863 Website: http://www.most.tohoku.ac.jp

(C) Special Selection Program for Working Adults

Department	Test Subjects	Date and Time	Description	Remarks
Mechanical Systems Engineering, Finemechanics, Robotics, Aerospace Engineering	Oral test	Wed., Aug. 25 or Thu., Aug. 26 (time indicated by the department)	<presentation and="" questions=""> (Approx. 30minutes) Presentation on your research, such as a master's thesis, and followed by questions on presentation contents. <oral test=""> (Approx. 20 minutes) Questions from mathematics and specialized subjects. *On the scope of mathematics, it is the same as the written tests Math A and Math B. On the scope of specialized subjects, it is the same as the written test. Choose 2 subjects beforehand from the following 5 areas: Thermodynamics, Fluid Dynamics, Strength of Materials, Dynamics of Mechanical Systems, Control Engineering.</oral></presentation>	 (1) The applicant whose research achievement or research history is recognized as qualified, will be exempted from the oral exam (about 20 minutes) and the research presentation and Q & A section will be extended by 10 minutes each. The total amount of time allotted will be approximately 40 minutes. The applicant should ask the prospective professor as to the details for an exemption and an application method for the oral examination (about 20 minutes) exemption. (2) On the scope of each subject, inquire with the department or confirm with the website below. http://www.mech.tohoku.ac.jp/ Department inquiries: Systems Science and Mechanical Engineering Academic Affairs Section Phone: 022-795-7030

Department	Test Subjects	Date and Time	Description	Remarks
Quantum Science and Energy Engineering,	Interview	Wed., Aug. 25 or Thu., Aug. 26 (time indicated by the department)	 <presentation and="" questions=""> (Approx. 30 minutes) </presentation> Presentation on your research, such as a master's thesis, and followed by questions about presentation contents. <oral test=""> (Approx. 20 minutes) Questions from mathematics and specialized subjects. *On the scope of mathematics, it is the same as the written tests Math A and Math B. On the scope of Specialized subjects, it is the same as the written test. Choose 2 subjects beforehand from the following 8 areas: Thermodynamics, Fluid Dynamics, Strength of Materials, Dynamics of Mechanical Systems, Control Engineering, Material Science, Electromagnetics, Quantum Mechanics </oral> 	 (1) The applicant whose research achievement or research history is recognized as qualified, will be exempted from the oral exam (about 20 minutes) and the research presentation and Q & A sections will be extended by 10 minutes each. The total amount of time allotted will be approximately 40 minutes. The applicant should ask the prospective professor as to the details for an exemption and an application method for the oral examination (about 20 minutes) exemption. (2) On the scope of each subject, inquire with your department or confirm whit the website below. http://www.qse.tohoku.ac.jp/ (3) To prevent the spread of new coronavirus infection, we will notify each applicant if there is any change in the implementation method. Department inquiries: Systems Science and Mechanical Engineering Academic Affairs Section Phone: 022-795-7030
Electrical Engineering, Communications Engineering, Electronic Engineering	Interview	Wed., Aug. 25 or Thu., Aug. 26 (time indicated by the department)	Approx. 20-minute presentation about studies up to now and research plans after entering this program. Bring three copies of support materials with you.	 To prevent the spread of new coronavirus infection, we will notify each applicant if there is any change in the implementation method. Department inquiries: Electronic Information System and Applied Physics Academic Affairs Section Phone: 022-795-7186
Applied Physics	Interview	Wed., Aug. 25, from 9:00 a.m.	Presentation on research for 10 min. and oral test. English ability may also be asked about.	The field-specific interview will be held prior to the entrance exam (late August). **To prevent the spread of new coronavirus infection, we will notify each applicant if

Department	Test Subjects	Date and Time	Description	Remarks
				there is any change in the implementation method.
				Department inquiries: Electronic Information System and Applied Physics Academic Affairs Section Phone: 022-795-7186
Applied Chemistry, Chemical Engineering, Biomolecular Engineering	Interview test	Wed., Aug. 25, from 9:30 a.m.	Research presentation and oral test	 (1) To prevent the spread of new coronavirus infection, we will notify each applicant if there is any change in the implementation method. (2) For epidemic prevention reasons The test schedule may change. Department inquiries: Office: 022-795-7205 Website: http://www.che.tohoku.ac.jp/index-j.html

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.	 Please refer to the following website to ensure further details, especially the types of TOEFL® Test/TOEIC® scores to meet the admission requirement. http://www.material.tohoku.ac.jp/admission/i ndex.html Submission of TOEFL®/TOEIC® score sheet may be waived for qualified applicants. Ask your prospective professor for details. Schedules etc. will be notified individually.
	General field- specific subjects	Tue., Aug. 24 toThu., Aug. 26 (40 minutes)	Oral test in physics, chemistry, materials chemistry, materials properties of matter, and materials processing.	*Contact the department for more information or check on the following homepage http://www.material.tohoku.ac.jp /admission/index.html * To prevent the spread of new coronavirus infection,we will notify each applicant if there is any change in the implementation method.
	Designated field-specific subjects	Tue., Aug. 24 to Thu., Aug. 26 (40 minutes)	Oral presentation about research conducted up to now or master's thesis.	*Inquire with the department for details. Academic Affairs Section: 022-795-7373

Department	Test Subjects	Date and Time	Description	Remarks
	Short essay	Tue., Aug. 24, 9:30 to 11:00 a.m.	Topics related to civil and environmental engineering	(1) Calculators or devices such as watches or mobile phones with calculation or communication functions are not allowed in the examination room.
Civil and Environmental Engineering	Oral test	Tue., Aug. 24,	Within 15-minute presentation on research or work at the place of employment (may use PC), followed by questions about the presentation contents.	(2)Time and place of the interview and the oral test will be notified by the department.(3) Inquire with the department for details.(4) To prevent the spread of new coronavirus
	Interview	Tue., Aug. 24,		infection, we will notify each applicant if there is any change in the implementation method. Phone: 022-795-7489 (Civil Engineering and Architecture Academic Affairs Section)
	Oral test	Tue., Aug. 24 or Wed., Aug. 25 or Thu., Aug. 26	Presentation on research plans (may use PC), followed by questions about presentation contents.	(1) Time and place of the interview and the oral test will be notified by the department.(2) Oral exams and interviews online May be implemented.
Architecture and Building Science	Interview	Tue., Aug. 24 or Wed., Aug. 25 or Thu., Aug. 26	At the same time of the oral test.	 (3) An additional assignment may need to be submitted according to the situation. (4) Inquire with the department for details. Department inquiries: Civil Engineering and Architecture Academic Affairs Section Phone 022-795-7489
Management Science and Technology	Oral test	Tue., Aug. 24 to Thu., Aug. 26 (time indicated by thedepartment)	Presentation on research work up to now and plans for research after entering program, followed by questions on presentation contents, etc.	Time and place of the oral test will be notified by the department. Department inquiries: Office: 022-795-3863 Website: http://www.most.tohoku.ac.jp

(D) Special Selection Program for Foreign Students

Department	Test Subjects	Date and Time	Description	Remarks
	English		At the time of application, submit an original of 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.	The application is not acceptable if the applicant, except those whose native language is English, is unable to submit the original score sheet within the application period. (Exception if the applicant is able to submit the score sheet of the adequate TOEIC public test after application period. In either case, it is "failed" if the original score sheet is not submitted by the designated date.) It is "failed" if the submitted score does not meet the following requirement. (550 for TOEFL-PBT, 79 for TOEFL-iBT, or 730 for TOEIC)
Mechanical Systems Engineering,	Math A (mandatory)	Tue., Aug. 24, 9:30 to 10:30 a.m. (assemble at 8:50)	Differential and Integral Calculus, Linear Algebra, Vector Analysis	(1) The written test may be waived depending on the applicant's record as indicated on transcripts.
Finemechanics, Robotics, Aerospace Engineering	Math B (mandatory)	Tue., Aug. 24, 1:00 to 2:00 p.m.	Ordinary Differential Equations, Partial Differential Equations, Fourier Series and Fourier Transforms, Laplace Transforms	(2) On the scope of each subject, inquire with the department or confirm with the website below.
	Specialized subjects (elective)*	Tue., Aug. 24, 3:45 to 4:45 p.m.	Thermodynamics, Fluid Dynamics, Strength of Materials, Dynamics of Mechanical Systems, Control Engineering, *Choose any two of the above listed five subjects.	http://www.mech.tohoku.ac.jp/ (3) Calculators or devices such as watches or mobile phones with calculation or communication functions are not allowed in the examination room.
	Interview	Thu., Aug. 26 (time indicated by the department)	Questions about your master's thesis, etc. and research plans after entering this program.	 (4) Interviews are given only for those applicants who pass the written test. When and how they will be notified of the written test results will be announced on the first day of the exam. (5)Wed.,Aug 25th will be a spare day. so leave it open.

Department	Test Subjects	Date and Time	Description	Remarks
				Department inquiries: Systems Science and Mechanical Engineering Academic Affairs Section Phone: 022-795-7030
Quantum Science and Energy Engineering,	English		At the time of application, submit an original of 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 much as possible materials (Eiken, TOEFL ITP, TOEFL iBT Special Home Edition Test, etc.) If none of these are available, attach the undergraduate transcript (students of the Faculty of Engineering of the Tohoku University do not need to submit the transcript of the university).
	Math A (mandatory)	Tue., Aug. 24, 10:00 to 11:00 a.m. (assemble at 9:30)	Differential and Integral Calculus, Linear Algebra, Vector Analysis	(1) The written test may be waived depending on the applicant's record as indicated on transcripts.(2) On the scope of each subject, inquire
	Math B (mandatory)	Tue., Aug. 24, 1:00 to 2:00 p.m.	Ordinary Differential Equations ,Fourier Series and Fourier Transforms, Laplace Transforms, Partial Differential Equations	 with your department or confirm with the website below. http://www.qse.tohoku.ac.jp/ (3) Calculators or devices such as watches or mobile phones with calculation or
	Specialized subjects (elective)*	Tue., Aug. 24, 3:45 to 4:45 p.m.	Thermodynamics, Fluid Dynamics, Strength of Materials, Dynamics of Mechanical Systems, Control Engineering, Materials Science, Electromagnetics, Quantum Mechanics *Choose any two of the above listed eight subjects.	 communication functions are not allowed in the examination room. (4) Interviews are given only for those applicants who pass the written test. When and how they will be notified of the written test results will be announced on

Department	Test Subjects	Date and Time	Description	Remarks
	Interview	Thu., Aug. 26 (time indicated by the department)	Questions about your master's thesis, etc. and research plans after entering this program.	 the first day of testing. (5) To prevent the spread of new coronavirus infection, we will notify each applicant if there is any change in the implementation method. Department inquiries: Systems Science and Mechanical Engineering Academic Affairs Section Phone: 022-795-7030
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.	 (1) The written test may be waived depending on the applicant's record as indicated on transcripts. (2) On the scope of each subject, inquire with the department or confirm with the website below. http://www.ecei.tohoku.ac.jp/ecei_web /admission/exam_subject.html (2) Calculaters or devices such as wetches
	Basic subjects	Tue., Aug. 24, 9:30 to 11:30 a.m. (Meeting time 9: 00 a.m.)	Choice of 2 questions from the following 6 areas: electromagnetics, electrical circuits, basic information science 1, basic information science 2, basic physics, basic mathematics	 (3) 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. Department inquiries: Electronic Information System and Applied Physics

Department	Test Subjects	Date and Time	Description	Remarks
	Interview	Wed., Aug. 25 or Thu., Aug. 26 (time indicated by the department)	Approx. 20-minute presentation about your university education or master's thesis, and research plans after entering this program, etc. Bring three copies of support materials with you. To include assessment of Japanese language ability	Academic Affairs Section Phone: 022-795-7186
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.)	The written test will be waived for foreign student applicants with outstanding qualifications. A interview about field- specification will be held prior to the entrance exam (late August). Calculators or devices such as watches or mobile phones with calculation or communication functions are not allowed
	Basic subjects	Tue., Aug. 24, 9:30 to 11:45 a.m.	3 questions: mechanics, electromagnetism, quantum mechanics, . English translations provided as necessary.	 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. Department inquiries: Electronic Information System and Applied Physics Academic Affairs Section

Department	Test Subjects	Date and Time	Description	Remarks
	Specialized subjects	Tue., Aug. 24 1:00 to 2:30 p.m.	2 questions: statistical mechanics, condensed matter physics, English translations provided as necessary.	Phone: 022-795-7186
	Interview	Wed., Aug. 25, from 9:00 a.m.	Presentation on research for 10 min. and oral test.	
	Basic subjects	Tue., Aug. 24,	Choice of 1 question from Basic I (inorganic chemistry, analytical chemistry, physical chemistry), Basic II (organic chemistry), and math	(1) To prevent the spread of new coronavirus infection, we will notify each applicant if there is any change in the implementation method.
Applied Chemistry, Chemical Engineering, Biomolecular Engineering	Specialized subjects	9:00 to 10:30 a.m.	Applicant's field of specialty	(2) For epidemic prevention reasons The test schedule may change.
	Interview test	Tue., Aug. 24, from 11:00 a.m.	Summary presentation about master's thesis and oral test	Department inquiries: Office: 022-795-7205 Website: http://www.che.tohoku.ac.jp /index-j.html

Demonstration	The st Could in sta	Data and Time	Description	Demeriles
Department	Test Subjects	Date and Time	Description	Remarks
Metallurgy, Materials Science,	English		At the time of application, submit an original TOEFL ®or TOEIC® score sheet no older than two years before the entrance exam.	 Please refer to the following website to ensure further details, especially the types of TOEFL®Test/TOEIC® scores to meet the admission requirement. http://www.material.tohoku.ac.jp /admission/index.html submission of TOEFL®/TOEIC® score sheet may be waived for qualified
	General field- specific subjects	Tue., Aug. 24 to Thu., Aug. 26 (40 minutes)	Oral test in physics, chemistry, materials chemistry, materials properties of matter, and materials processing.	applicants. Ask your prospective professor for details. (3) Schedules etc. will be notified individually.
Materials Processing	Designated field-specific subjects	Tue., Aug. 24 to Thu., Aug. 26 (40 minutes)	Oral presentation about research to date or master's thesis (in English or Japanese).	 *Contact your department for more information Or check on the following homepage http://www.material.tohoku.ac.jp /admission/index.html * To prevent the spread of new coronavirus infection,we will notify each applicant if there is any change in the implementation method. *Inquire with the department for details. Academic Affairs Section: +81-22-795-7373

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. TOEFL iBT Home Edition scores are also accepted.	 (1) Ask your prospective professor regarding the fields of specialized subjects and the number of questions from each field. The language used for the questions will be English. (2) Calculators or devices such as watches or mobile phones with calculation or communication functions are not allowed in the examination room. (3)Time and place for the oral test will be notified by the department. (4) Inquire with the department for details. (5) To prevent the spread of new coronavirus infection,we will notify each applicant if there is any change in the implementation method.
	Oral test	Tue., Aug. 24	Within 15-minute presentation on master's thesis (completed or in progress; may use PC), followed by questions about the presentation contents.	Phone: 022-795-7489 (Civil Engineering and Architecture Academic Affairs Section)

Donastmont	Tost Subjects	Date and Time	Description	Bomerke
Department	Test Subjects Specialized subjects	Date and Time Tue., Aug.24, 2:30 to 4:30 p.m.	DescriptionChoice of 3 questions from 4questions on the test.Prospected adviser selects 1-4 fieldsfrom the list below, consideringapplicant's background, filed ofspecialization and research plan. Intotal 4 questions from the selectedfields will be on the test.1. Mathematics (calculus, linearalgebra, probability and statistics)2. Mechanics of Elastic Bodies andStructures3. Geotechnical and ConcreteEngineering4. Hydraulics5. Water Quality and Environment6. Biological and EcologicalEngineering7. Transportation Engineering andPlanning8.Operations Research	Remarks
	Interview	Tue., Aug. 24 or Wed., Aug. 25		
	Oral test	Tue., Aug. 24 or Wed., Aug. 25 or Thu., Aug. 26	Presentation on master's thesis or equivalent and research plans (may use PC), followed by questions about presentation contents.	(1) Time and place for the oral test will be notified by the department.(2) Oral exams and interviews online May be implemented.
Architecture and Building Science	Interview	Tue., Aug. 24 or Wed., Aug. 25 or Thu., Aug. 26	At the same time of the oral test.	 (3) An additional assignment may need to be submitted according to the situation. (4) Inquire with the department for details. Department inquiries: Civil Engineering and Architecture Academic Affairs Section Phone 022-795-7489

Department	Test Subjects	Date and Time	Description	Remarks
	English		At the time of application, submit an original TOEFL® or TOEIC® score sheet no older than two years before the entrance exam.	Time and place for the oral test will be notified by the department.
Management Science and Technology	Oral test	Tue., Aug. 24 to Thu., Aug. 26 (time indicated by the department)	Presentation on research up to now and plans for research after entering program, followed by questions on presentation contents, etc.	Department inquiries: Office: 022-795-3863 Website: <u>http://www.most.tohoku.ac.jp</u>

志望専	呚

專攻 受験記号番号

* Please DO NOT fill in the above blanks

FORM (1/4)

In A4 sized (21cm × 29.5cm) and color printing

2021 Academic Year

APPLICATION FOR AUTUMN ENROLLMENT IN DOCTORAL PROGRAM

令和3年度

博士課程後期3年の課程編入学願書

(For entry in October 2021)

(令和3年10月入学)

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

□ Special Selection Program for Working Adults (社会人特別選抜(編入学))

□ Special Selection Program for Foreign Students (外国人留学生等特別選抜(編入学))

INSTRUCTIONS(記入上の注意)

1. The application should be typed if possible, or neatly handwritten in block letters. (明瞭に記入すること。)

- 2. Numbers should be in Arabic numerals. (数字は算用数字を用いること。) 3. Years should be written using the Anno Domini system. (年号はすべて西暦とすること。)
- 4. 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 (姓名(自国語))	(Family name)	(First name)	(Middle name)	(Gender) □Male(男) □Female(女)
In Roman block capitals (ローマ字)	(Family name)	(First name)	(Middle name)	
2. Country or area (国 籍)				
3. Date of birth (生年月日)				
<u>19</u> Year (年) Month (月) L	Day (日)	Age (as of October 1,2 年齢(2021 年 10 月 1	2021) 日現在)	
4. Department and academic advisor i	n Japan(志望専攻名	・受入(希望)教員名)		
Department of		/ Prof. Associat	e 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: <u>From</u> (在職期間)	Year (年) Month	(月) Day (日)	~up to now (現在	に至る)
After entering to Tohoku Universi (入学後) * Check the applicable item	ty: □ remain ((在職の	employed ロ まま)	resign (退職)	

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)

<u>電話番号/FAX番号 (Telephone/facsimile number):</u>

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)
Conferred Degree:	a) Bachelor's Degree	b) Master's Degree	c) Doctoral	Degree
(取得学位)	(学士)	(修士)	(博士)	
8. Long Term Study Progr	am(長期履修制度)			
Do you wish to apply for	the Long Term Study Program	m? □ Yes	□ No	stv)
(長期履修制度の適用を	希望しますか)	(希望する) (希望しな	

*Applicants for Special Selection Program for Working Adults should refer to "8. Eligibility for Long Term Study Program" in the announcement. Other applicants who wish to apply for this program should contact the Graduate Academic Affairs Section, Graduate School of Engineering.

(社会人特別選抜(編入学)志願者は募集要項「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。その他の選 抜志願者で希望する方は事前に問い合わせてください。)

- 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 267th. (TOEFL スコアシートまたは第267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 any of the 268th or 271rd TOEIC public test by a predetermined method by Tuesday, August 3, 2021.
 (第268回から第271回までのいずれかの TOEIC 公開テストのスコアシートを所定の方法で令和3年8月3日(火)までに提出します。)

10. Educational background (学歴)

FORM (3/4)

	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	Name (学校名)	From (入学)	years (年)	
(初等教育) 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) and	
Lower Secondary School (中学)	Location (所在地)	To (卒業)	months (月)	
	Name (学校名)	From (入学)	years (年)	
Upper Secondary School (高校)	Location (所在地)	To (卒業)	and months (月)	
Higher Education	Name (学校名)	From (入学)	years (年)	
(高等教育) Undergraduate Level (大学)	Location (所在地)	To (卒業)	and months (月)	
	Name (学校名)	From (入学)	years (年)	
Graduate Level (大学院)	Location (所在地)	To (卒業)	and months (月)	
<u> </u>	Total years of schoolin (以上を通算した全学 as of October 1,2020 (2021 年 10 月 1 日現	校教育修学年数)	ye (有	ars E)

*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。)

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。)

FORM (4/4)

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

Ī	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)

* 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 results notification

To:	
Address:	
Postal code	tel
	(results notification)

[if applicable] (該当する場合)

* For sending the "examination permit" (to acquire a Temporary Visitor VISA in order to sit the examination)

То:		
Address:	<u> </u>	
Postal code	tel	
("Temporary Visitor VISA (for examination)")		