



2019 Academic Year

Application for Autumn Enrollment in Doctoral Program

(For advancement/entry in October 2019)

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 2019

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. 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.

○ 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 Graduate School of Engineering, Tohoku University, 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 researches 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.

1. Departments and Admission Quotas

Department	Admission Quota	Department	Admission Quota
Mechanical Systems Engineering	Low	Applied Chemistry	Low
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

- 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 2019 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 2019.
- (2) Have earned a master's degree or equivalent professional degree, or expect to earn such a degree by September 2019, 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 2019, 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 2019, 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 2019, 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 Graduate Academic Affairs Section, Graduate School of Engineering in advance.

3. Period for Submission of Application

Applications will be received from Monday, June 17 to Thursday, June 27, 2019 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.).

Mailed applications must reach us no later than Thursday, June 27, 2019.

(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 92 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 530 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.)
Graduate school transcript	Issued by the dean of your graduate school.
Original of TOEFL®Test /TOEIC® Public Test score sheets Valid tests: TOEFL®Test PBT, TOEFL iBT®Test, TOEIC® Public Test	<p>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.</p> <p>(1) General Applicants from Other Schools or applicants for 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.</p> <p>(2) General Applicants for the Special Selection Program for Working Adults applying to study in the Metallurgy, Materials Science, or Materials Processing departments.</p> <p><u>Submitted originals of TOEFL®Test /TOEIC®Test score sheets will not be returned. However, TOEFL®Test “Examinee Score Reports” can be returned on the day of the entrance examination if requested at the time of application.</u></p> <p><u>The TOEFL institution code of the Graduate School of Engineering, Tohoku University is 8958</u></p> <p><u>◆When submitting a score sheet for the TOEFL®Test or for the 239th TOEIC® public test or other TOEIC public tests conducted before the 239th test</u></p> <ul style="list-style-type: none"> • Please submit all application documents, including the score sheet, within the submission period stated in "3. Period for Submission of Application." <p><u>◆When submitting a score sheet for the 240th or 241st TOEIC® public test:</u></p> <ul style="list-style-type: none"> • Please submit all application documents, including the score sheet, within the submission period stated in "3. Period for Submission of Application." • <u>Please submit the score sheet to the address stated in "3. Period for Submission of Application" by Wednesday, July 31 (applications will</u>

	<p><u>not be accepted on Saturdays, Sundays, or holidays</u>). 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.</p> <p><u>(Note) Score sheets may not be replaced with more recent test results once submitted.</u></p> <p>Example: You may not resubmit a different score sheet for the 240th or 241st TOEIC® public test after submitting a score sheet for the 239th TOEIC® public test.</p> <p><u>(Note) Score sheets which can be submitted outside of the submission period are limited to score sheets for the 240th or 241st TOEIC® public tests.</u></p> <p>Example: You may not submit a score sheet for the 239th TOEIC® public test or a score sheet for the TOEFL® Test outside of the submission period stated in "3. Period for Submission of Application.</p> <p><u>* Applicants with a letter of permission (in any format) from the expected supervisor may submit a score sheet for the 239th TOEIC® public test or other TOEIC® public tests conducted before the 239th test outside of the stated submission period, or may be exempted from submitting a score sheet.</u></p> <p>*TOEFL®, TOEFL® iBT, TOEFL® ITP, and TOEIC® are registered trademarks of Educational Testing Service (ETS).</p>
Certificate of (expected) completion or of degree conferral	Issued by the dean of your graduate school or by the NIAD (National Institution for Academic Degrees and Quality Enhancement of Higher Education).
Undergraduate transcript	Issued by the dean of the university from which graduated
Duplicate of master's thesis	If thesis cannot be submitted, a summary of research shall be substituted (approximately 2 A4-size pages)
*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.
Selection of language for the examination	Applicants for the "Special Selection Program for Foreign Students" who wish to be enrolled in the Departments of: Mechanical Systems Engineering, Finemechanics, Robotics, Aerospace Engineering, and Quantum Science and Energy Engineering, should fill out.
Examination fee	<p>30,000 yen</p> <p><u>*Examination Fee waiver (for disaster victims)</u> <u>For further information, please contact Graduate Academic Affairs Section in advance.</u></p>
*3 Examination fee receipt	Use an official form for this Graduate School (enter applicant's name on both copies).

*4 Envelope for submitting application	Fill in the sender's information on an 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 envelop of this Graduate School, and affix 92 yen in postage.
*6 Return envelope for results notification	Write your name and address (including postal number) on an official envelope of this Graduate School, and affix 530 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 - *6.** Not required.

Note: Applicants for the Regular program for Incoming Students from Other Schools who intend to remain employed while in school must submit written consent to take the exam (issued by head of workplace, (Any format, with official letterhead, signature, seal, etc.) in addition to the above.

Applicants for the Special Selection Program for Working Adults and the Special Selection Program for Foreign Students must submit the following documents in addition to the above.

• **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. (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).
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.

[Ⅲ] Applicants applying under qualification (7)

Required documents	Notes
Application for admission	Use an official application form for this Graduate School.
Research plan	Approximately 1 A4-size page
*1 Written recommendation	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).
Undergraduate transcript	Issued by the dean of the university from which you graduated
Original of TOEFL®Test /TOEIC® Public Test score sheets Valid tests: TOEFL®Test PBT, TOEFL iBT®Test, TOEIC® Public Test	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. (2) General Applicants to the Special Selection Program for Working Adults applying to study in the Metallurgy, Materials Science, or Materials Processing departments.

<p>Original of TOEFL®Test /TOEIC® Public Test score sheets</p> <p>Valid tests: TOEFL®Test PBT, TOEFL iBT®Test, TOEIC® Public Test</p>	<p><u>Submitted originals of TOEFL®Test /TOEIC®Test score sheets will not be returned. However, TOEFL®Test “Examinee Score Reports” can be returned on the day of the entrance examination if requested at the time of application.</u></p> <p><u>The TOEFL institution code of the Graduate School of Engineering, Tohoku University is 8958.</u></p> <p>◆<u>When submitting a score sheet for the TOEFL®Test or for the 239th TOEIC® public test or other TOEIC public tests conducted before the 229th test</u></p> <ul style="list-style-type: none"> • Please submit all application documents, including the score sheet, within the submission period stated in "3. Period for Submission of Application." <p>◆<u>When submitting a score sheet for the 240th or 241st TOEIC® public test:</u></p> <ul style="list-style-type: none"> • Please submit all application documents, including the score sheet, within the submission period stated in "3. Period for Submission of Application." • <u>Please submit the score sheet to the address stated in "3. Period for Submission of Application" by Wednesday, July 31 (applications will not be accepted on Saturdays, Sundays, or holidays).</u> 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. <p><u>(Note) Score sheets may not be replaced with more recent test results once submitted.</u></p> <p>Example: You may not resubmit a different score sheet for the 240th or 241st TOEIC® public test after submitting a score sheet for the 239th TOEIC® public test.</p> <p><u>(Note) Score sheets which can be submitted outside of the submission period are limited to score sheets for the 240th or 241st TOEIC® public tests.</u></p> <p>Example: You may not submit a score sheet for the 239th TOEIC® public test or a score sheet for the TOEFL®Test outside of the submission period stated in "3. Period for Submission of Application."</p> <p><u>* Applicants with a letter of permission (in any format) from the expected supervisor may submit a score sheet for the 239th TOEIC® public test or other TOEIC® public tests conducted before the 239th test outside of the stated submission period, or may be exempted from submitting a score sheet.</u></p> <p>*TOEFL®, TOEFL® iBT, TOEFL® ITP, and TOEIC® are registered trademarks of Educational Testing Service (ETS).</p>
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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.
Selection of language for the examination	Applicants for the "Special Selection Program for Foreign Students" who wish to be enrolled in the Departments of: Mechanical Systems Engineering, Finemechanics, Robotics, Aerospace Engineering, and Quantum Science and Energy Engineering, should fill out.
Examination fee	30,000 yen <u>*Examination Fee waiver (for disaster victims)</u> <u>For further information, please contact Graduate Academic Affairs Section in advance.</u>
*3 Examination fee receipt	Use an official form for this Graduate School (enter applicant's name on both copies).
*4 Envelope for submitting application	Fill in the sender's information on an 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 envelop of this Graduate School, and affix 92 yen in postage.
*6 Return envelope for results notification	Write your name and address (including postal number) on an official envelope of this Graduate School, and affix 530yen 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 - *6.** Not required.

Note: Applicants for the Regular program for Incoming Students from Other Schools who intend to remain employed while in school must submit written consent to take the exam (issued by head of workplace, any format, with official letterhead, signature, seal, etc.) in addition to the above.

Applicants for the Special Selection Program for Working Adults and the Special Selection Program for Foreign Students must submit the following documents in addition to the above.

- **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).
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.

[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 27 to Thursday, August 29, 2019 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 Monday, September 9, 2019, on the website (<https://www.eng.tohoku.ac.jp/>)

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 Thursday, September 19, 2019. Details of the enrollment procedures will be announced when the acceptance letter is mailed in the early September, 2019.
- (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 will be notified separately regarding the procedure for applying. Be sure to put a check mark in the appropriate place on the advancement/admission application form. 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 self-employed, (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 Graduate Academic Affairs Section, Graduate School of Engineering.
- (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 A4-sized 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, June 3, 2019.

*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 2019

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 2019 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

(A) Program for Students Advancing from Master's Program of this Graduate School

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 separately by the department.			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.			
Applied Physics	Selection to be made separately by the department.			
Applied Chemistry, Chemical Engineering, Biomolecular Engineering	Selection to be made separately by the department.			Department inquiries: Office: 022-795-7205 Website: http://www.che.tohoku.ac.jp/index-j.html
Metallurgy, Materials Science, Materials Processing	Selection to be made separately by the department.			

Department	Test Subjects	Date and Time	Description	Remarks
Civil and Environmental Engineering	Interview	Wed., Aug. 28		(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. Phone: 022-795-7489 (Civil Engineering and Architecture Academic Affairs Section)
Architecture and Building Science	Screening of application document	Tue., Aug. 27 or Wed., Aug. 28	Research plans	(1) Time and place of the interview will be notified by the department office. (2) An additional assignment may need to be submitted according to the situation.
	Interview	Tue., Aug. 27 or Wed., Aug. 28		(3) 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
Mechanical Systems Engineering, Finemechanics, Robotics Aerospace 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.	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.)
	Math A (mandatory)	Tue., Aug. 27, 9:30 to 11:00 a.m. (assemble at 9:00)	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.
	Math B (mandatory)	Tue., Aug. 27, 1:30 to 3:00 p.m.	Ordinary Differential Equations, Partial Differential Equations, Fourier Series and Fourier Transforms, Laplace Transforms	(2) On the scope of each subject, inquire with your department or confirm with the website below. http://www.mech.tohoku.ac.jp/
	Specialized subjects (elective)*	Wed., Aug. 28, 9:00 to noon (assemble at 8:30)	Thermodynamics, Fluid Dynamics, Strength of Materials, Dynamics of Mechanical Systems, Control Engineering *Choose any two of the above listed five subjects.	(3) Calculators or devices such as watches or mobile phones with calculation or communication functions are not allowed in the examination room. (4) Interviews are given only for those applicants who pass the written test. When and how they will be notified of the written test results will be announced on the first day of testing.
	Interview	Thu., Aug. 29 (time indicated by your department)	Questions about your master's thesis, etc. and research plans after entering this program.	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,	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.	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.)
	Math A (mandatory)	Tue., Aug. 27, 9:30 to 11:00 a.m. (assemble at 9:00)	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.
	Math B (mandatory)	Tue., Aug. 27, 1:30 to 3:00 p.m.	Ordinary Differential Equations, Partial Differential Equations, Fourier Series and Fourier Transforms, Laplace Transforms	(2) On the scope of each subject, inquire with your department or confirm with the website below. http://www.qse.tohoku.ac.jp/
	Specialized subjects (elective)*	Wed., Aug. 28, 9:00 to noon (assemble at 8:30)	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.	(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. 29 (time indicated by your 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 testing. When and how they will be notified of the written test results will be announced on the first day of testing. Department inquiries: Systems Science and Mechanical Engineering Academic Affairs Section Phone: 022-795-7030

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.	(1) The written testing may be waived depending on the applicant's record as indicated on transcripts.
	Basic subjects	Tue., Aug. 27, 9:30 to 11:30 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	(2) On the scope of each subject, inquire with your department or confirm with the website below. http://www.ecei.tohoku.ac.jp/ecei_web/admission/exam_subject.html (3) Calculators or devices such as watches or mobile phones with calculation or communication functions are not allowed in the examination room.
	Interview	Wed., Aug. 28 or Thu., Aug. 29 (time indicated by your 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.	Department inquiries: Electronic Information System and Applied Physics Academic Affairs Section Phone: 022-795-7186

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.	<p>Note 1: Subjects may be designated by the applicant's prospective professor.</p> <p>Calculators or devices such as watches or mobile phones with calculation or communication functions are not allowed in the examination room.</p> <p>Department inquiries: Electronic Information System and Applied Physics Academic Affairs Section Phone: 022-795-7186</p>
	Basic subjects	Tue., Aug. 27, 10:00 to 11:30 a.m.	Choice of 2 questions from the following fields: quantum mechanics, mechanics, physical math (differential equations, vector analysis, Fourier series and transform, Laplace transform). English translations provided as necessary.	
	Specialized subjects	Tue., Aug. 27 1:00 to 2:30 p.m.	Choice of 2 questions from the following fields: electromagnetism (electrostatics, magnetostatics, electromagnetic induction), statistical mechanics, condensed matter physics, physical experiments and measurements, and special field-specific subjects (Note 1). English translations provided as necessary.	
	Field-specific interview	Tue., Aug. 27, from 3:30 p.m.	Presentation on master's thesis for 25 min. and oral test.	
	Interview	Wed, Aug. 28, from 9:00 a.m.	Presentation on master's thesis for 10 min. and oral test.	

Department	Test Subjects	Date and Time	Description	Remarks
Applied Chemistry, Chemical Engineering, Biomolecular Engineering	Specialized subjects	Tue., Aug. 27, 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)	Department inquiries: Office: 022-795-7205 Website: http://www.che.tohoku.ac.jp/index-j.html
	English	Tue., Aug. 27, 1:00 to 2:00 p.m.		
	Interview test	Tue., Aug. 27 from 3:00 p.m.	Summary presentation about master's thesis and oral test	
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) The English test may be waived for those who have completed master's programs at this school. (2) Schedules etc. will be notified individually.
	General field-specific subjects	Tue., Aug. 27 to Thu., Aug. 29 (40 minutes)	Oral test in physics, chemistry, materials chemistry, materials properties of matter, and materials processing.	(3) Submitted TOEFL®/TOEIC® score sheets will not be returned. However, this excludes TOEFL® "Examinee Score Report". It can be returned on the entrance examination day if the applicant requests at the time of application.
	Designated field-specific subjects	Tue., Aug. 27 to Thu., Aug. (40 minutes)	Oral presentation about master's thesis or research conducted after completing master's degree.	(4) Please refer to the following website to ensure further details, especially the types of TOEFL®/TOEIC® scores to meet the admission requirement. http://www.material.tohoku.ac.jp/admission/index.html *Inquire with the department for details. Department head: 022-795-7342 Academic Affairs Section: 022-795-7373

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.	Time and place of the interview will be notified by the department. Inquire with the department for details. Phone: 022-795-7489 (Civil Engineering and Architecture Academic Affairs Section)
	Oral test	Tue., Aug. 27	Within 15-minute presentation on master's thesis (completed or in progress; may use PC), followed by questions about the presentation contents.	
	Interview	Tue., Aug. 27		
Architecture and Building Science	Oral test	Tue., Aug. 27 or Wed., Aug. 28	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) An additional assignment may need to be submitted according to the situation.
	Interview	Tue., Aug. 27 or Wed., Aug. 28	At the same time of the oral test.	(3) 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: Office: 022-795-3863 Website: http://www.most.tohoku.ac.jp
	Short essay	Tue., Aug. 27, 1:00 to 3:00 p.m.	Composition on technology and society	
	Oral test	Wed., Aug. 28 from 9:00 a.m. or Thu., Aug. 29 from 9:00 a.m.	Presentation on research up to now and plans for research after entering program, followed by questions on presentation contents, etc.	

(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. 28 or Thu., Aug. 29 (time indicated by your department)	<p><Presentation and questions> (Approx. 30minutes) Presentation on your research, such as a master's thesis, and followed by questions on presentation contents.</p> <p><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.</p>	<p>(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.</p> <p>(2) On the scope of each subject, inquire with your department or confirm with the website below. http://www.mech.tohoku.ac.jp/</p> <p>Department inquiries: Systems Science and Mechanical Engineering Academic Affairs Section Phone: 022-795-7030</p>

Department	Test Subjects	Date and Time	Description	Remarks
Quantum Science and Energy Engineering,	Interview	Wed., Aug. 28 or Thu., Aug. 29 (time indicated by your department)	<p><Presentation and questions> (Approx. 30 minutes) Presentation on your research, such as a master's thesis, and followed by questions about presentation contents.</p> <p><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</p>	<p>(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.</p> <p>(2) On the scope of each subject, inquire with your department or confirm with the website below. http://www.qse.tohoku.ac.jp/</p> <p>Department inquiries: Systems Science and Mechanical Engineering Academic Affairs Section Phone: 022-795-7030</p>
Electrical Engineering, Communications Engineering, Electronic Engineering	Interview	Wed., Aug. 28 or Thu., Aug. 29 (time indicated by your department)	<p>Approx. 20-minute presentation about studies up to now and research plans after entering this program. Bring three copies of support materials with you.</p>	
Applied Physics	Interview	Wed., Aug. 28, 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).
Applied Chemistry, Chemical Engineering, Biomolecular Engineering	Interview test	Wed., Aug. 28, from 9:30 a.m.	Research presentation and oral test	<p>Department inquiries: Office: 022-795-7205 Website: http://www.che.tohoku.ac.jp/index-j.html</p>

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) Submission of TOEFL®/TOEIC® score sheet may be waived for qualified applicants. Ask your prospective professor for details.</p> <p>(2) For applicants completing their doctoral program in less than the standard three-year period, the test of general field-specific subjects will be waived, and 65 minutes presentation on designated field-specific subjects will be conducted instead.</p> <p>(3) Schedules etc. will be notified individually.</p> <p>(4) Submitted TOEFL®/TOEIC® score sheets will not be returned. However, this excludes TOEFL® “Examinee Score Report”. It can be returned on the entrance examination day if the applicant requests at the time of application.</p>
	General field-specific subjects	Tue., Aug. 27 to Thu., Aug. 29 (40 minutes)	Oral test in physics, chemistry, materials chemistry, materials properties of matter, and materials processing.	<p>(5) Please refer to the following website to ensure further details, especially the types of TOEFL®/TOEIC® scores to meet the admission requirement. http://www.material.tohoku.ac.jp/admission/index.html</p> <p>*Inquire with the department for details. Department head: 022-795-7342 Academic Affairs Section: 022-795-7373</p>
	Designated field-specific subjects	Tue., Aug. 27 to Thu., Aug. 29 (40 minutes)	Oral presentation about research conducted up to now or master's thesis.	

Department	Test Subjects	Date and Time	Description	Remarks
Civil and Environmental Engineering	Short essay	Tue., Aug. 27, 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. (2) Time and place of the interview and the oral test will be notified by the department. (3) Inquire with the department for details. Phone: 022-795-7489 (Civil Engineering and Architecture Academic Affairs Section)
	Oral test	Tue., Aug. 27,	Within 15-minute presentation on research or work at the place of employment (may use PC), followed by questions about the presentation contents.	
	Interview	Tue., Aug. 27,		
Architecture and Building Science	Oral test	Tue., Aug. 27 or Wed., Aug. 28	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) An additional assignment may need to be submitted according to the situation. (3) Inquire with the department for details. Department inquiries: Civil Engineering and Architecture Academic Affairs Section Phone 022-795-7489
	Interview	Tue., Aug. 27 or Wed., Aug. 28	At the same time of the oral test.	
Management Science and Technology	Oral test	Wed., Aug. 28 from 9:00 a.m. or Thu., Aug. 29 from 9:00 a.m.	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
Mechanical Systems Engineering, Finemechanics, Robotics, Aerospace 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.	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.)
	Math A (mandatory)	Tue., Aug. 27, 9:30 to 11:00 a.m. (assemble at 9:00)	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.
	Math B (mandatory)	Tue., Aug. 27, 1:30 to 3:00 p.m.	Ordinary Differential Equations, Partial Differential Equations, Fourier Series and Fourier Transforms, Laplace Transforms	(2) On the scope of each subject, inquire with your department or confirm with the website below. http://www.mech.tohoku.ac.jp/
	Specialized subjects (elective)*	Wed., Aug. 28, 9:00 to noon (assemble at 8:30)	Thermodynamics, Fluid Dynamics, Strength of Materials, Dynamics of Mechanical Systems, Control Engineering, *Choose any two of the above listed five subjects.	(3) Calculators or devices such as watches or mobile phones with calculation or communication functions are not allowed in the examination room. (4) Interviews are given only for those applicants who pass the written test. When and how they will be notified of the written test results will be announced on the first day of testing.
	Interview	Thu., Aug. 29 (time indicated by your department)	Questions about your master's thesis, etc. and research plans after entering this program.	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,	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.	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. (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.)
	Math A (mandatory)	Tue., Aug. 27, 9:30 to 11:00 a.m. (assemble at 9:00)	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.
	Math B (mandatory)	Tue., Aug. 27, 1:30 to 3:00 p.m.	Ordinary Differential Equations, Fourier Series and Fourier Transforms, Laplace Transforms, Partial Differential Equations	(2) On the scope of each subject, inquire with your department or confirm with the website below. http://www.qse.tohoku.ac.jp/
	Specialized subjects (elective)*	Wed., Aug. 28, 9:00 to noon (assemble at 8:30)	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.	(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. 29 (time indicated by your 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 testing. Department inquiries: Systems Science and Mechanical Engineering Academic Affairs Section Phone: 022-795-7030

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.	(1) The written test may be waived depending on the applicant's record as indicated on transcripts.
	Basic subjects	Tue., Aug. 27, 9:30 to 11:30 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	(2) On the scope of each subject, inquire with your department or confirm with the website below. http://www.ecei.tohoku.ac.jp/ecei_web/admission/exam_subject.html (3) Calculators or devices such as watches or mobile phones with calculation or communication functions are not allowed in the examination room.
	Interview	Wed., Aug. 28 or Thu., Aug. 29 (time indicated by your 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	Department inquiries: Electronic Information System and Applied Physics Academic Affairs Section Phone: 022-795-7186

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. Students whose native tongue is English should contact the department individually.	<p>The written test will be waived for foreign student applicants with outstanding qualifications. The field-specific interview will be held prior to the entrance exam (late August).</p> <p>Note 1: Subjects (one, two, or none) may be designated by the applicant's prospective professor.</p> <p>Calculators or devices such as watches or mobile phones with calculation or communication functions are not allowed in the examination room.</p> <p>Department inquiries: Electronic Information System and Applied Physics Academic Affairs Section Phone: 022-795-7186</p>
	Basic subjects	Tue., Aug. 27, 10:00 to 11:30 a.m.	Choice of 2 questions from the following fields: quantum mechanics, mechanics, physical math (differential equations, vector analysis, Fourier series and transform, Laplace transform). English translations provided as necessary.	
	Specialized subjects	Tue., Aug. 27 1:00 to 2:30 p.m.	Choice of 2 questions from the following fields: electromagnetism (electrostatics, magnetostatics, electromagnetic induction), statistical mechanics, condensed matter physics, physical experiments and measurements, and special field-specific subjects (note 1). English translations provided as necessary.	
	Interview	Wed., Aug. 28, from 9:00 a.m.	Presentation on research for 10 min. and oral test.	

Department	Test Subjects	Date and Time	Description	Remarks
Applied Chemistry, Chemical Engineering, Biomolecular Engineering	Basic subjects	Tue., Aug. 27, 9:00 to 10:30 a.m.	Choice of 1 question from Basic I (inorganic chemistry, analytical chemistry, physical chemistry), Basic II (organic chemistry), and math	Department inquiries: Office: 022-795-7205 Website: http://www.che.tohoku.ac.jp/index-j.html
	Specialized subjects		Applicant's field of specialty	
	Interview test	Tue., Aug. 27, from 11:00 a.m.	Summary presentation about master's thesis and oral test	
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) Please refer to the following website to ensure further details, especially the types of TOEFL®/TOEIC® scores to meet the admission requirement. http://www.material.tohoku.ac.jp/admission/index.html</p> <p>(2) Assessment of qualifications submission of TOEFL®/TOEIC® score sheet may be waived for qualified applicants. Ask your prospective professor for details.</p> <p>(3) Schedules etc. will be notified individually.</p> <p>*Inquire with the department for details. Department head: +81-22-795-7342 Academic Affairs Section: +81-22-795-7373</p>
	General field-specific subjects	Tue., Aug. 27 to Thu., Aug. 29 (40 minutes)	Oral test in physics, chemistry, materials chemistry, materials properties of matter, and materials processing.	
	Designated field-specific subjects	Tue., Aug. 27 to Thu., Aug. 29 (40 minutes)	Oral presentation about research to date or master's thesis (in English or Japanese).	

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) Ask your prospective professor regarding the fields of specialized subjects and the number of questions from each field.</p> <p>(2) Calculators or devices such as watches or mobile phones with calculation or communication functions are not allowed in the examination room.</p> <p>(3)Time and place for the oral test will be notified by the department.</p> <p>(4) Inquire with the department for details. Phone: 022-795-7489 (Civil Engineering and Architecture Academic Affairs Section)</p>
	Oral test	Tue., Aug. 27	Within 15-minute presentation on master's thesis (completed or in progress; may use PC), followed by questions about the presentation contents.	
	Specialized subjects	Tue., Aug.27, 2:30 to 4:30 p.m.	<p>Choice of 3 questions from 4 questions on the test. Prospected adviser selects 1-4 fields from the list below, considering applicant's background, filed of specialization and research plan. In total 4 questions from the selected fields will be on the test.</p> <ol style="list-style-type: none"> 1. Mathematics (calculus, linear algebra, probability and statistics) 2. Mechanics of Elastic Bodies and Structures 3. Geotechnical and Concrete Engineering 4. Hydraulics 5. Water Quality and Environment 6. Biological and Ecological Engineering 7. Transportation Engineering and Planning 8.Operations Research 	

Department	Test Subjects	Date and Time	Description	Remarks
	Interview	Tue., Aug. 27 or Wed., Aug. 29		
Architecture and Building Science	Oral test	Tue., Aug. 27 or Wed., Aug. 28	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) An additional assignment may need to be submitted according to the situation. (3) Department inquiries: Civil Engineering and Architecture Academic Affairs Section Phone 022-795-7489
	Interview	Tue., Aug. 27 or Wed., Aug. 28	At the same time of the oral test.	
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: Office: 022-795-3863 Website: http://www.most.tohoku.ac.jp
	Short essay	Tue., Aug. 27, 1:00 to 3:00 p.m.	Composition on technology and society	
	Oral test	Wed., Aug. 28 from 9:00 a.m. or Thu., Aug. 29 from 9:00 a.m.	Presentation on research up to now and plans for research after entering program, followed by questions on presentation contents, etc.	

志望専攻	専攻	受験記号番号	
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* Please DO NOT fill in the above blanks

FORM (1/4)

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

2019 Academic Year

APPLICATION FOR AUTUMN ENROLLMENT IN DOCTORAL PROGRAM

令和元年度

博士課程後期 3 年の課程編入学願書

(For entry in October 2019)

(令和元年 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)

- 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 籍)

3. Date of birth (生年月日)

19
Year (年) Month (月) Day (日) Age (as of October 1, 2019)
年齢 (2019 年 10 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 (在職のまま) ☐ resign (退職)
(入学後)

* 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)
Conferred Degree: (取得学位)	a) Bachelor's Degree (学士)	b) Master's Degree (修士)
		c) Doctoral Degree (博士)

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 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 239th.
(TOEFL スコアシートまたは第239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 240th or 241st TOEIC public test by a predetermined method by Wednesday, July 31, 2019.
(第240回または第241回 TOEIC 公開テストのスコアシートを所定の方法で令和元年7月31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 October 1, 2019 (2019年10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)

機械機能創成専攻, ファインメカニクス専攻, ロボティクス専攻, 航空宇宙工学専攻,
量子エネルギー工学専攻の志願者で外国籍の方のみ記入してください。

Applicants of foreign nationals who wish to be enrolled in the Departments of: Mechanical Systems Engineering, Finemechanics, Robotics, Aerospace Engineering, and Quantum Science and Energy Engineering, should fill out the following section.

令和元年度 東北大学大学院工学研究科 博士課程後期 3 年の課程
2019 Academic Year Application for Autumn Enrollment in Doctoral Program
外国人留学生等特別選抜 (編入学) (10 月)
Special Selection Program for Foreign Students (Entry in October 2019)

受験言語選択票 Selection of language for the examination

受験記号番号 Entrance Exam. ID-No. (記入しないでください。 Please do not fill in)		氏名 Name	
		受験言語選択 Select of language	<input type="checkbox"/> [日本語 Japanese] <input type="checkbox"/> [英語 English]

※筆答試験の試験問題冊子の記載言語、面接の質問等が選択した上記の言語となります。

Writing Exam, Interview Test will be conducted using the language selected above.

(受験票及び合否通知書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 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)

To: _____	
Address: _____	

Postal code	tel _____
("Temporary Visitor VISA (for examination)")	