



2023 Academic Year

Guidelines for Spring Application in the Doctoral Program

(Enrolled in April 2023)

- General Selection (advancement/transfer)
- Special Selection for Working Adults
- Special Selection for Foreign Students

* The contents of the application guidelines are subject to change depending on the spread of COVID-19. Please pay attention to the announcements on the Graduate School web page.

November 2022

Tohoku University Graduate School of Biomedical Engineering

Admission Policy of Graduate School of Biomedical Engineering

The Graduate School of Biomedical Engineering features academic members and resources/equipment involved in cutting-edge research based on Tohoku University's traditional "Research First" philosophy. Our educational goal is to nurture human resources with creativity and high research ability or engineers with advanced expertise. They will conduct research based on their ideas, aim at the realization of an affluent society, and be responsible for the development and innovation of science and technology in medicine and welfare, based on a broad perspective and deep knowledge in the interdisciplinary field of medicine and engineering.

We are looking for students with the following backgrounds:

- Those with a strong passion for contributing to the medical and welfare fields through the creation and innovation of science and technology.
- Those with the basic academic skills necessary to study medical engineering and a solid desire to study at the university.
- Those who have creativity and the ability to implement new research areas.
- Those who have a firm sense of ethics and responsible behavior.

For the Special Selection Program for Working Adults and Special Selection Program for Foreign Students, in addition to the above items, the following items are also required for admission:

Special Selection Program for Working Adults:

Working adults as engineers, teaching staff, and researchers after graduation from university motivated individuals who wish to advance their knowledge and skills and develop their creative abilities by applying their experience to their studies and research.

Special Selection Program for Foreign Students:

Students who have completed a course of study at an overseas educational institution with sufficient basic academic skills wish to receive graduate education at the Tohoku University Graduate School of Biomedical Engineering using their experience.

In the selection of applicants, emphasis is placed on whether or not the applicant has the high level of abilities and qualities necessary to conduct research in line with the educational philosophy and goals of the Graduate School. Written examinations and interviews are conducted according to the fields of study that the applicant has acquired to date.

In the General Selection and the Special Selection for Foreign Students, the applicant's ability to develop basic knowledge in their specialized field is evaluated by a written examination, and their research content and research plan in the first two years of the doctoral course (master's course) are evaluated by an interview. In the selection process, particular emphasis is placed on the applicant's research achievements to date and future potential as a researcher. Foreign students may be asked to demonstrate proficiency in Japanese.

In the Special Selection for Working Adults, the applicant's work history as a working adult, research content, essential academic ability, and research plan will be evaluated using an essay and an interview. Particular emphasis is placed on research plans and motivation. The selection

process is based on the evaluation of oral and written examinations, if necessary. For Foreign students, Japanese language proficiency may also be tested.

Before enrolling in the program, students must have the basic academic skills necessary to acquire advanced knowledge in their field and conduct research.

1. Departments and Admission Quotas

Department	Course	Quota
Biomedical Engineering	Basic Biomedical Engineering	Several
	Applied Biomedical Engineering	
	Medical Device Innovation	

Note: The quota above includes the number of applicants for the Special Selection for Working Adults and the Special Selection for Foreign Students.

2. Application Qualifications

- ◎ **General Selection (advancement):** Applicants enrolled in a two-year master's degree program (including master's degree and professional degree programs) at the Graduate School of Tohoku University and are expected to obtain a master's degree in March 2023.
- ◎ **General Selection (transfer):** Applicants who are not advancement applicants and meet any of the following conditions (1) - (8).
- ◎ **Special Selection for Working Adults:** Applicants must have worked as an engineer, teacher, or researcher for at least two years after graduation from a university or other institution in principle and meet one of the following conditions (1) - (8).
- ◎ **Special Selection for Foreign Students:** Applicants must be foreign students or students who have received their school education at a foreign university and meet any of the following conditions (1) - (8).
 - (1) Those who have received a degree equivalent to master's/professional degree or who are expected to receive it by March 2023.
 - (2) Those who have received a degree equivalent to master's/professional degree at a graduate school of a foreign university or who are expected to receive it by March 2023.
 - (3) Those who have received a degree equivalent to master's/professional degree by taking correspondence courses offered by schools outside Japan or who are expected to obtain it by March 2023.
 - (4) Those who have completed a course at an educational institution in Japan that is positioned in the school education system of the foreign country as having foreign university courses and is separately designated by the Minister of Education, Culture, Sports, Science and Technology, and who received a degree equivalent to master's/professional degree or are expected to receive it by March 2023.
 - (5) Those who have completed a course of study at the United Nations University established following the United Nations General Assembly resolution of Dec 11, 1972, as stipulated in Article 1, Paragraph 2 of the Act on Special Measures Incidental to the Implementation of the Agreement between the United Nations and Japan (Act No. 72 of 1976) concerning the United Nations University Headquarters and who have received a degree equivalent to a master's degree or are expected to receive it by March 2023.
 - (6) Those who have completed a course of study at an educational institution with a foreign graduate school program or a United Nations University, have passed the examination and screening prescribed in Article 16-2 of the Standards for the Establishment of Graduate Schools (1974, Education Ministry Ordinance No. 28), and who are recognized

- as having academic ability equivalent or superior to a master's degree.
- (7) Those designated by the Minister of Education, Culture, Sports, Science and Technology.
 - [1] Those who have been engaged in research at a university, research institute, etc. for two years or more after graduation from a university, and who are recognized by the graduate school as having academic ability equivalent to or superior to that of a master's degree based on the results of said research.
 - [2] Those who have completed 16 years of school education in a foreign country or 16 years of school education by taking correspondence courses offered by foreign schools in Japan, who have been engaged in research for two years or more, and who are recognized by the graduate school as having academic ability equivalent to or superior to that of a master's degree based on the results of said research.
 - (8) Those who will reach 24 years of age by the end of March 2023 and who are recognized by the graduate school as having academic ability equivalent to or superior to that of master's/professional degree.

[Note 1] In Special Selection for Working Adults, Tohoku University employee's applicants should contact our Academic Affairs Section in advance.

[Note 2] Applicants should inquire about their research plans after admission with the faculty member who will accept them before application.

[Note 3] Applicants applying under conditions (7) - (8) should contact our Academic Affairs Section for the screening of eligibility in advance and submit the documents specified by the Graduate School by Dec 9 (Fri) 2022.

3. Online Application Procedure and Application Period

The general flow of the online application is as follows.

1. Confirmation of application guidelines and acquisition of required documents

- Confirm the application guidelines carefully for details on application qualifications (pages 3-4) and documents required for application (pages 6-12).
- Request your university or college to issue certificates of graduation (or expected graduation), transcripts, and other certifying documents for the application in advance.

2. Payment of the examination fee

- Follow the instructions on pages 9, 12 of this application guideline and pay the examination fee to the designated bank account using ATMs (at financial institutions, convenience stores, etc.) or through Internet banking. The applicant should charge a handling fee.
- "Confirmation of Payment of Examination Fee" must be uploaded to the TAO application registration site. Prepare the "Confirmation of Payment of Examination Fee" by attaching a copy of the ATM statement or screenshot of Internet banking transfer completion showing the account information, amount, transfer date, and name of the payee.

Note: The application is not completed just by paying the examination fee.

3. Register your application at the TAO application registration website (must complete by Jan 20 Fri)

- Access The Admissions Office website, create an account and submit the necessary information about the applicant.
<https://admissions-office.net/>
- Upload certificates and other documents. Follow the instructions on page 6 of the application guidelines, make sure that you submit your application by mail or submit it to our Academic Affairs Section directly.
- **Once you have registered, you will not be able to modify your registration.** Double-check carefully and make sure that there are no errors.
- Use the temporary save function effectively for confirmation.
- Click on the "Complete Application" button to complete your application. After completing the application, confirm that the relevant selection appears in the "Completed" tab on the "Application List" screen of TAO.

4. Submission of application documents (must arrive by Jan 27 Fri)

- Follow the instructions on page 6 of the application guidelines and submit your application by **"express/registered"** mail or submit it to our Academic Affairs Section directly.
- We will not accept applications after the deadline (Jan 27 Fri).

The application is completed by paying the examination fee, registering the application information on the Internet, and submitting the required application documents to the university by express or registered mail by the deadline (They must be received at the university by the deadline).

Please note that **payment of the examination fee and registration of application information on the Internet is insufficient to complete the application process.**

Applicants must complete the application using the designated online application system, The Admission Office (after this referred to as TAO), within the application period. Follow the instructions below.

The online application period is from 9:00 Jan 13 (Fri) 2023, to 23:59 on Jan 20 (Fri) 2023 (Japan Standard Time). Applications will be accepted at the Academic Affairs Section directly from 9:00 on Jan 13 (Fri) 2023 to 16:00 on Jan 27 (Fri) 2023 (except from 11:45 to 13:00).

Applications submitted (registered) at TAO will be accepted. Some original documents must be submitted by mail (or at the Academic Affairs Section directly). **Online applications will be accepted by 23:59 on Jan 20 (Fri) 2023. Click on the "Complete Application" button to complete your application. In the submission by mail, the application documents must arrive by Jan 27 (Fri) 2023.**

When you send your application by mail, use a commercially available square No. 2 envelope and be sure to send it by express registered mail.

Address:

Academic Affairs Section, Graduate School of Biomedical Engineering, Tohoku University
6-6-12 Aramaki Aza Aoba, Aoba-ku, Sendai, Miyagi 980-8579, Japan

TAO Application Procedure

1. Access the following URL and click "Account Registration" to create an account.
<https://admissions-office.net/portal>
 2. After creating an account, log in with your e-mail address and password from the URL above. Search for "Tohoku University/Graduate School of Biomedical Engineering/ Doctoral Program /Admission in April/General Selection (advancement/transfer) · Special Selection for Working Adults · Special Selection for Foreign Students" using the "Application Search" menu. Follow the instructions on the TAO system and the instructions below.
 3. Submit the following documents in PDF format by uploading them to the application form.
- ※ If the certificate to be submitted is in a language other than Japanese or English, attach a Japanese or English translation certified by the issuing authority.
 - ※ Withdrawal of an application or replacement of application documents will not be accepted under any circumstances.
 - ※ Applicants who submitted falsified documents may have their admission revoked even after enrollment.
 - ※ After uploading documents, originals must be submitted for certificates that indicate " TAO and Mail (Counter)" in the submission procedure. (Photocopies of originals, electronic files, printouts from electronic files, etc., are not considered originals.)

[I] General Selection (advancement): For students enrolled in a two-year master's course, a master's course, or a professional degree course at a graduate school of Tohoku University.

Required documents	Notes	Submission procedure
Advancement application form	Fill out the TAO application form.	TAO
Curriculum Vitae	Download and use the prescribed file from the URL below. https://www.bme.tohoku.ac.jp/admission/index.html	TAO
Confirmation and consent	Download and use the prescribed file on Confirmation and pledge from the URL below. Prepared by the faculty member who will accept you. https://www.bme.tohoku.ac.jp/admission/index.html	TAO
Examination admission ticket and photo	Download and use the prescribed examination admission ticket and photo file from the URL below. The photo should include a photo from the waist up (without a hat or cap) taken within three months before the application. The maximum file size is 20 MB. https://www.bme.tohoku.ac.jp/admission/index.html	TAO
Envelope for submitting the application	Please write your name, department (institute), laboratory, and campus letter code on a standard-sized envelope (23.5 x 12 cm).	Mail (Counter)
Address	Please fill out the TAO address form.	TAO

[Note 1] If you belong to another graduate school, submit the following documents in addition to the above documents.

Graduate school transcripts and certificate of expected completion	Issued by the dean of the graduate school in which you are enrolled. The originals must be submitted as well.	TAO and Mail (Counter)
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[II] Applicants who are not in [I] and who apply according to (1) to (5) of the application qualifications.

Required documents	Notes	Submission procedure
Application form	Fill out the TAO application form.	TAO
Curriculum Vitae	Download and use the prescribed file from the URL below. https://www.bme.tohoku.ac.jp/admission/index.html	TAO
Confirmation and consent	Download and use the prescribed file on Confirmation and pledge from the URL below. Prepared by the faculty member who will accept you. https://www.bme.tohoku.ac.jp/admission/index.html	TAO
Graduate transcript	Issued by the dean of the graduate school in which you are enrolled. The originals must be submitted as well.	TAO and Mail (Counter)
Certificate of (expected) completion or Certificate of Degree Conferral (Acceptance of Application)	Issued by the dean of the graduate school of the applicant's home institution or by the National Institution for Academic Degrees and University Reform. The originals must be submitted as well.	TAO and Mail (Counter)

Undergraduate transcript	Issued by the president or the dean of the university from which you graduated or the head of the last school you were enrolled. The originals must be submitted as well.	TAO and Mail (Counter)
<p>Original score sheet of TOEFL® Test or TOEIC® Listening & Reading Test (after this referred to as TOEIC® public test)</p> <p>Excluding applicants for Medical , Engineering (Mechanical), and Engineering (Electrical/Information) of the Special Selection for Working Adults.</p> <p>Validated Tests: TOEFL iBT® Test, TOEIC® Open Test</p> <p>TOEFL®, TOEFL iBT®, TOEFL ITP®, and TOEIC® are the registered trademarks of the Educational Testing Service (ETS).</p>	<p>The score sheets must be within two years before the entrance exam date. TOEFL ITP® test or TOEIC®IP test for group examination is invalid. The original must be submitted as well. Submitted score sheets will not be returned.</p> <p><u>Only the Test Date score from the TOEFL iBT® test is valid as the application score (the MyBest™ score is invalid).</u></p> <p>◆ Those who will submit the score sheet for the 310th or 311st Public Test:</p> <p>All other application documents, except the score sheet, must be submitted within the online application period indicated in "3 Online Application Procedures and Application Period".</p> <p>Score sheets must arrive at the Academic Affairs Section indicated in "3 Online Application Procedures and Application Period (by Jan 27 (Fri))" (Applications will not be accepted on Saturdays, Sundays, and national holidays). If submitting by mail, write the name of the categories (Medical or Engineering) you will apply for on the reverse side of the score sheet and send it in the envelope with "Score Sheet enclosed" in red ink.</p> <p>Note: Once a score sheet has been submitted, no substitutions will be allowed. After submitting a score sheet for the 309th TOEIC® Public Test, you cannot resubmit another score sheet for the 310th or 311st TOEIC Public Test.</p> <p>Note: Score sheets submitted after the application period must be those from the <u>310th or 311st TOEIC® public test.</u></p> <p>Score sheets from the 309th TOEIC® public test or TOEFL® test are unacceptable after the online application periods listed in "3 Online Application Procedures and Application Periods".</p> <p>[Note] For applicants whose native language is English or who have received higher education in English, prior consultation will be required. Inquire in advance to the Academic Affairs Section of the Graduate School of Biomedical Engineering, and submit the documents specified by the Graduate School by Dec 9 (Fri) 2022.</p>	TAO and Mail (Counter)
Statement of results	<p>About 2,000 characters. Download and use the prescribed performance description file from the URL below. https://www.bme.tohoku.ac.jp/admission/index.html</p>	TAO

Research Achievement Materials	Copies of master's thesis, academic papers (including case reports), conference presentations, clinical achievements, patents, etc. Upload it to TAO as a PDF file.	TAO
Examination admission ticket and photo	Download and use the prescribed examination admission ticket and photo voucher file from the URL below. The photo voucher should include a photo from the waist up (without a hat or cap) taken within three months before the application. The maximum file size is 20 MB. https://www.bme.tohoku.ac.jp/admission/index.html	TAO
Copy of residence certificate	<u>Only foreign nationals residing in Japan (those whose period of stay exceeds 90 days)</u> should submit this form. (Must be issued within 3 months before the date of application that does not include your Social Security and Tax Number (My Number) and clearly states your residence status.) The original must be submitted as well.	TAO and Mail (Counter)
Examination fee	(1) Download the prescribed Confirmation of Payment of Examination Fee file from the URL below. https://www.bme.tohoku.ac.jp/admission/index.html (2) Pay the examination fee using ATMs (ATMs at financial institutions and convenience stores) or Internet banking as follows. ※ The applicant's name must be registered as Katakana of the payee's name. ※ Attach a copy of the account information, the amount, the date of transfer, and the name of the payee (e.g., a photocopy of an ATM statement or a screenshot of Internet banking transfer completion) to the payment confirmation of the examination fee and upload the scanned data to the TAO. ※ Bank transfer fees are the responsibility of the applicant. Amount: 30,000 yen Payment deadline: Jan 20 (Fri) (Strict deadline) Bank: Mitsubishi UFJ Bank, Bank Code: 0005 Branch: Wakatake Branch, Branch Code: 809 Type of deposit: Ordinary Account number: 2259227 Account name: Tohoku University Name: タイ トウホクタイカク (3) Not required for foreign students on a Japanese government scholarship (<i>Monbukagakusho</i> scholarship) or those who have applied for a waiver of entry examination fees. For more information about the exemption of the entrance examination fee for victims of disasters, please refer to the following website: https://www.bme.tohoku.ac.jp/admission/index.html	TAO
Envelope for submitting the application	Please write your name, address, and postal code on a standard-sized envelope (23.5 x 12 cm) and affix a postage stamp worth 84 yen.	Mail (Counter)
Address	Please fill out the TAO address form.	TAO

[Note 1] Applicants for the Special Selection for Working Adults and the Special Selection for Foreign Students must submit the following documents in addition to the mentioned documents. Submit the following documents for each.

◎ Special Selection Program for Working Adults

Proof of employment	Issued by the head of the workplace, showing that the applicant has worked on research there for at least two years as an engineer, teacher, researcher, etc., or is expected to work so. (Any format; with official letterhead, signature, seal, etc.) The original must be submitted as well.	TAO and Mail (Counter)
Consent form to take an exam	Issued by the head of the workplace. Required only for those intending to remain employed while in school. (Any format; with official letterhead, signature, seal, etc.) The original must be submitted as well.	TAO and Mail (Counter)

◎ Special Selection Program for Foreign Students

Recommendation letter	Prepared by the academic advisor or equivalent of the applicant's home university (Any format).	TAO
Proof of Japanese language proficiency	Prepared by a Japanese instructor or (prospective) adviser (Any format).	TAO
Written consent to take an exam	Issued by the head of the organization stating the period of employment, job description, and status. Those who will enroll while still employed (with company seal, etc., any form). The original must be submitted as well.	TAO and Mail (Counter)

[III] Applicants according to qualifications (7).

Required documents	Notes	Submission procedure
Application form	Fill out the TAO application form.	TAO
Curriculum Vitae	Download and use the prescribed file from the URL below. https://www.bme.tohoku.ac.jp/admission/index.html	TAO
Research plan	About 1,000 characters. One A4-size page. (Any format).	TAO
Confirmation and consent	Download and use the prescribed file on Confirmation and pledge from the URL below. Prepared by the faculty member who will accept you. https://www.bme.tohoku.ac.jp/admission/index.html	TAO
Graduate transcript	Issued by the dean of the graduate school in which you are enrolled. The original must be submitted as well.	TAO and Mail (Counter)
Certificate of (expected) completion or Certificate of Degree Conferral (Acceptance of Application)	Issued by the dean of the graduate school of the applicant's home institution or by the National Institution for Academic Degrees and University Reform. The original must be submitted as well.	TAO and Mail (Counter)
Certificate of engagement in research or work	Issued by the head of the workplace, certifying that the research/work was carried out as an engineer, instructor, researcher, etc., over two years or more. (Any format; with official letterhead, signature, seal, etc.) The original must be submitted as well.	TAO and Mail (Counter)

<p>Original score sheet of TOEFL® Test or TOEIC® Listening & Reading Test (after this referred to as TOEIC® public test)</p> <p>Excluding applicants for Medical, Engineering (Mechanical), and Engineering (Electrical/Information) of the Special Selection for Working Adults.</p> <p>Validated Tests: TOEFL iBT® Test, TOEIC® Open Test</p> <p>TOEFL®, TOEFL iBT®, TOEFL ITP®, and TOEIC® are the registered trademarks of the Educational Testing Service (ETS).</p>	<p>The score sheets must be within two years before the entrance exam date. TOEFL ITP® test or TOEIC®IP test for group examination is invalid. The original must be submitted as well. Submitted score sheets will not be returned.</p> <p>Only the Test Date score from the TOEFL iBT® test is valid as the application score (the MyBest™ score is invalid).</p> <p>◆ Those who will submit the score sheet for the 310th or 311st Public Test:</p> <p>All other application documents, except the score sheet, must be submitted within the online application period indicated in "3 Online Application Procedures and Application Period".</p> <p>Score sheets must arrive at the Academic Affairs Section indicated in "3 Online Application Procedures and Application Period (by Jan 27 (Fri))" (Applications will not be accepted on Saturdays, Sundays, and national holidays). If submitting by mail, write the name of the categories (Medical or Engineering) you will apply for on the reverse side of the score sheet and send it in the envelope with "Score Sheet enclosed" in red ink.</p> <p>Note: Once a score sheet has been submitted, no substitutions will be allowed. After submitting a score sheet for the 309th TOEIC® Public Test, you cannot resubmit another score sheet for the 310th or 311st TOEIC Public Test.</p> <p>Note: Score sheets submitted after the application period must be those from the <u>310th or 311st TOEIC® public test.</u></p> <p>Score sheets from the 309th TOEIC® public test or TOEFL® test are unacceptable after the online application periods listed in "3 Online Application Procedures and Application Periods".</p> <p>[Note] For applicants whose native language is English or who have received higher education in English, prior consultation will be required. Inquire in advance to the Academic Affairs Section of the Graduate School of Biomedical Engineering, and submit the documents specified by the Graduate School by Dec 9 (Fri) 2022.</p>	<p>TAO and Mail (Counter)</p>
<p>Statement of results</p>	<p>About 2,000 characters. Download and use the prescribed performance description file from the URL below. https://www.bme.tohoku.ac.jp/admission/index.html</p>	<p>TAO</p>
<p>Research Achievement Materials</p>	<p>Copies of master's thesis, academic papers (including case reports), conference presentations, clinical achievements, patents, etc. Upload it to TAO as a PDF file.</p>	<p>TAO</p>

Examination admission ticket and photo	Download and use the prescribed examination admission ticket and photo file from the URL below. The photo should include a photo from the waist up (without a hat or cap) taken within three months before the application. The maximum file size is 20 MB. https://www.bme.tohoku.ac.jp/admission/index.html	TAO
Copy of residence certificate	<u>Only foreign nationals residing in Japan (those whose period of stay exceeds 90 days)</u> should submit this form. (Must be issued within 3 months before the date of application that does not include your Social Security and Tax Number (My Number) and clearly states your residence status.) The original must be submitted as well.	TAO and Mail (Counter)
Examination fee	(1) Download the prescribed Confirmation of Payment of Examination Fee file from the URL below. https://www.bme.tohoku.ac.jp/admission/index.html (2) Pay the examination fee using ATMs (ATMs at financial institutions and convenience stores) or Internet banking as follows. ※ The applicant's name must be registered as Katakana of the payee's name. ※ Attach a copy of the account information, the amount, the date of transfer, and the name of the payee (e.g., a photocopy of an ATM statement or a screenshot of Internet banking transfer completion) to the payment confirmation of the examination fee and upload the scanned data to the TAO. ※ Bank transfer fees are the responsibility of the applicant. Amount: 30,000 yen Payment deadline: Jan 20 (Fri) (Strict deadline) Bank: Mitsubishi UFJ Bank, Bank Code: 0005 Branch: Wakatake Branch, Branch Code: 809 Type of deposit: Ordinary Account number: 2259227 Account name: Tohoku University Name: タイ トウホク大学イカク (3) Not required for foreign students on a Japanese government scholarship (<i>Monbukagakusho</i> scholarship) or those who have applied for a waiver of entry examination fees. For more information about the exemption of the entrance examination fee for victims of disasters, please refer to the following website: https://www.bme.tohoku.ac.jp/admission/index.html	TAO
Envelope for submitting the application	Please write your name, address, and postal code on a standard-sized envelope (23.5 x 12 cm) and affix a postage stamp worth 84 yen.	Mail (Counter)
Address	Please fill out the TAO address form.	TAO

[Note 1] Applicants for the Special Selection for Working Adults and the Special Selection for Foreign Students must submit the following documents in addition to the mentioned documents. Submit the following documents for each.

◎ Special Selection Program for Working Adults

Proof of employment	Issued by the head of the workplace, showing that the applicant has worked on research there for at least two years as an engineer, teacher, researcher, etc., or is expected to work so. (Any format; with official letterhead, signature, seal, etc.) The original must be submitted as well.	TAO and Mail (Counter)
Consent form to take an exam	Issued by the head of the workplace. Required only for those intending to remain employed while in school. (Any format; with official letterhead, signature, seal, etc.) The original must be submitted as well.	TAO and Mail (Counter)

◎ Special Selection Program for Foreign Students

Recommendation letter	Prepared by the academic advisor or equivalent of the applicant's home university (Any format).	TAO
Proof of Japanese language proficiency	Prepared by a Japanese instructor or (prospective) adviser (Any format).	TAO
Consent form to take an exam	Issued by the head of the organization stating the period of employment, job description, and status. Those who will enroll while still employed (with company seal, etc., any form). The original must be submitted as well.	TAO and Mail (Counter)

[IV] Those applying under qualifications (6) or (8) should inquire with the Academic Affairs Section of the Graduate School of Biomedical Engineering ahead of time regarding documents to submit.

4. Selection Process

Admission will be based on the results of the examination subjects listed in the attached table and the submitted documents.

Examination dates: The examination will be held between Feb 28 (Tue) and Mar 2 (Thu) 2023, according to the attached schedule.

Location: Aobayama Campus, Tohoku University
Details will be informed to applicants separately.

5. Results Announcement

The examination numbers for successful applicants will be listed on the Graduate School of Biomedical Engineering website (<https://www.bme.tohoku.ac.jp/>) at around 17:00 on Mar 8 (Wed) 2023.

Successful applicants will receive a letter of acceptance by mail. We will not respond to inquiries by phone.

6. Enrollment Procedures

- (1) Admission procedures are scheduled to take place in late-March 2023. Details will be announced in the results notification in mid-March 2023.
- (2) Required fees
 - General Selection (Transfer) and Special Selection
 - (a) Entrance fees: 282,000 yen (tentative)
 - (b) Tuition (first semester): 267,900 yen (annual 535,800 yen) (tentative)
 - General Selection (Advancement)
 - (a) Entrance fees: Those who are expected to complete the first two years of a master's course (master's program) at the graduate school of Tohoku University are not required to apply.
 - (b) Tuition (first semester): 267,900 yen (annual 535,800 yen) (tentative)

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

[Note 2]: Information on the entrance fees and tuition payment will be informed in the enrollment procedures documentation sent in mid-March 2023. For procedures related to waivers of admission or tuition fees, or permission to defer payment to a later date, etc., access the university's website at <https://www.tohoku.ac.jp/> and then click on "東北大学で学びたい方へ" (Those wishing to study at Tohoku University) and then "入学料及び授業料等免除" (Entrance and tuition fee waivers).

7. Eligibility for System for extending the period of registration

Some applicants may request permission to follow a planned course of study longer than the

standard three years to receive their doctoral degree due to particular circumstances [Note 1 and Note 2]. This Graduate School offers this option, called the "Long-Term Study Program," to those who qualify based on an advanced 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. Applicants can inquire about this program at any time before enrollment. Please contact the Academic Affairs Section, Graduate School of Biomedical Engineering. Applicants wishing for this program will be notified separately regarding the application procedure. Be sure to put a checkmark in the appropriate place on the admission application form. Note that this program applies only from the beginning of studies and cannot be joined after studies have begun.

[Note 1]: Eligible persons:

- (1) Those employed by a company or self-employed.
- (2) Those who require maternity leave or are engaged in a child or family care
- (3) Those otherwise determined by this Graduate School to be suitable for the program (excluding financial reasons).

※Persons wishing to be considered should discuss the matter in advance with the Academic Affairs Section, Graduate School of Biomedical Engineering.

[Note 2]: The study period may not be extended beyond six years, but it is possible to request that the period be shortened. In principle, no particular curriculum will be prepared for students in the long-term study program.

8. Handling of Personal Information

- (1) Personal information held by Tohoku University is handled strictly following the "Personal Information Protection Regulations of Tohoku University National University Corporation" and other relevant regulations of the University. Tohoku University complies with the "Act on the Protection of Personal Information Held by Independent Administrative Institutions (Law No. 57 of 2003)" and other laws and regulations. Tohoku University takes all possible measures to protect personal information.
- (2) Examination results and other personal information obtained in the application process will be used for the selection of students for admission, enrollment procedures, follow-up surveys, student support after enrollment (e.g., scholarships, tuition waiver, health care), student guidance and other academic purposes, and the collection of tuition fees, etc.
- (3) About entrance examination and academic affairs, Tohoku University may outsource administrative work in educational affairs to third-party companies (after this, "contractors"). In the case that Tohoku University shall provide them with some or all or a part of the student's personal, Tohoku University will take necessary measures to ensure that personal information is handled appropriately in accordance with the "Personal Information Protection Regulations of Tohoku University National University Corporation" and other relevant regulations of the University.

9. Utilization of Education and Learning Data

Tohoku University considers it important to analyze data including personal information accumulated in information systems and other systems for education and learning activities

(after this, " education and learning data") using the latest data analysis and AI technology, and to conduct education based on evidence.

Tohoku University has established the "Declaration on the Utilization of Education and Learning Data," the "Eight Principles for Handling Education and Learning Data at Tohoku University," and the "Policy for Utilization of Education and Learning Data," and will effectively and appropriately utilize education and learning data to enhance and improve education and learning support at Tohoku University. We will contribute to the welfare of the people of Japan and humanity through the effective and appropriate use of education and learning data.

Personal information such as examination results used for admission selection will be integrated into education and learning data after admission.

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

10. Points to Note

- (1) Applicants will not be automatically notified of the receipt of applications. That desiring notification should enclose a postcard with their return address at the application.
- (2) Submitted application documents and examination fees will not be returned.
- (3) If you do not receive your examination admission ticket by ten days before the examination date, please contact the Academic Affairs Section, Graduate School of Biomedical Engineering.
- (4) All other questions about applications should be inquired to the Academic Affairs Section, Graduate School of Biomedical Engineering.
- (5) The Graduate School provides counseling for applicants who need special consideration for entrance examinations and study. Applicants who wish to receive consultation should submit a request form (any format) with the following information. The applicant will not be disadvantaged in any way because of the submission of the application form.
 - * Deadline for consultations: As a rule, no later than Jan 4 (Wed) 2023.
 - * Information to be shown in application:
 - (A) Name, address, and phone number of the applicant
 - (B) University, etc. from which the applicant has graduated
 - (C) Special considerations desired when taking the examination
 - (D) Special considerations desired in the study environment
 - (E) Nature of special considerations provided up to now
 - (F) Other relevant information about daily life circumstances
 - (G) Reference materials (if currently under treatment, enclose a medical certificate issued by your physician)
- (6) The disclosure of information about entrance examination results will only be authorized if the examinee requests such disclosure in person, using the specified application form within the year in which the entrance examination was held.
- (7) The university does not send telegrams informing applicants of success or failure.
- (8) Following the Foreign Exchange and Foreign Trade Act, Tohoku University has established the Tohoku University Security Export Control Regulations and conducts screening when accepting foreign students. If you fall under any of these restrictions, you may not be able to receive your desired education, or your research theme may be restricted.

November 2022

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Appendix

Applicants must select one of the following categories: Medical or Engineering.

1. Medical

Selection	Exam subjects	Date and time	Description	Remarks
(Advancement) General	Select separately.			
General Selection (transfer) Special Selection for Foreign Students	English		A score sheet of the TOEFL® Test or TOEIC® Public Test taken within the past two years from the entrance examination date must be submitted with the application. TOEFL iBT® Home Edition scores are also acceptable. [Note 1] Applicants whose native language is English or who have received higher education in English should inquire individually.	<p>(1) For the scope of each subject, refer to the following website. https://www.bme.tohoku.ac.jp/admission/</p> <p>(2) Calculators or devices such as watches and mobile phones with calculation or communication functions are prohibited.</p> <p>* If the face-to-face examination cannot be conducted due to the prevention of the spread of Covid-19, the examination detail will be informed to the examinee separately.</p>
	Specialized subjects (Electives)	Feb 28 (Tue) 10:00-12:00 Meeting time 9:40	Cell and Molecular Biology, Biochemistry, Anatomy, Physiology, Immunology, Public Health, Pathology. Select 2 subjects from the above 7 subjects (to be declared in advance)	
	Basic Mathematics	Feb 28 (Tue) 13:00-15:00	Calculus, Ordinary Differential Equations, and Linear Algebra at the university general education level (in addition to the mathematical background required for university entrance, content equivalent to courses in biology, medicine, health care, and pharmacy other than science and engineering).	
	Interview	Mar 2 (Thu) The meeting time will be informed separately.	The applicants will present their master's thesis, past research achievements, and post-entry research hopes. After the presentation, a question-and-answer session will be held to evaluate the applicant's suitability for admission.	
Special Selection for Working Adults	Short essay	Mar 1 (Wed) 13:00-15:00	Related to biomedical engineering, medicine, and health and welfare.	* If the face-to-face examination cannot be conducted due to the prevention of the spread of Covid-19, the examination detail will be informed to the examinee separately.
	Interview	Mar 2 (Thu) The meeting time will be informed separately.	The applicants will present their master's thesis, past research achievements, and post-entry research hopes. After the presentation, a question-and-answer session will be held to evaluate the applicant's suitability for admission.	

[Note 1]: If originals of TOEFL®/TOEIC® score sheets are not submitted, the score for the English portion will be zero.

2. Engineering

Applicants who take the entrance examination in engineering are required to choose one of the following fields (Mechanical, Electrical/Information, and Materials) for the exam.

A. Engineering (Mechanical)

Selection	Exam subjects	Date and time	Description	Remarks
(Advancement) General	Select separately.			
General Selection (transfer) Special Selection for Foreign Student	English		A score sheet of the TOEFL® Test or TOEIC® Public Test taken within the past two years from the entrance examination date must be submitted with the application. TOEFL iBT® Home Edition scores are also acceptable. [Note 1] Applicants whose native language is English or who have received higher education in English should inquire individually.	(1) Written examination may be waived depending on the applicant's record as indicated on transcripts. (2) For the scope of each subject, refer to the website below http://www.mech.tohoku.ac.jp/ (3) Calculators or devices such as watches and mobile phones with calculation or communication functions are prohibited.
	Mathematics A (Required)	Feb 28 (Tue) 9:30-10:30 Meeting time 8:50	Calculus, Linear Algebra, Vector Analysis	(4) Mar 1 (Wed) should be left open as a reserve day.
	Mathematics B (Required)	Feb 28 (Tue) 13:00-14:00	Ordinary Differential Equations, Partial Differential Equations, Fourier Series and Fourier Transformations, Laplace Transformations.	(5) Since the examination is likely to be conducted online, make sure you have an internet connection and prepare a personal computer, a web camera, a smartphone with camera or a scanner.
	Specialized subjects (Electives)	Feb 28 (Tue) 15:45-16:45	Thermodynamics, Fluid Mechanics, Mechanics of Materials, Dynamics of Mechanical Systems, Control Engineering. Choose any 2 of the 5 subjects above (declare these in advance).	(6) We will announce whether the examination will be online or on-site when the examination admission ticket is sent.
	Interview	Mar 2 (Thu) The meeting time will be informed separately.	The applicants will present their master's thesis, past research achievements, and post-entry research hopes. After the presentation, a question-and-answer session will be held to evaluate the applicant's suitability for admission.	
Special Selection for Working Adults	Oral examination [Note 2]	Mar 1 (Wed) or Mar 2 (Thu)	Research presentation and question-and-answer session. The applicants will present their master's thesis, past research achievements, and post-entry research hopes. After the presentation, a question-and-answer session will be held to evaluate the applicant's suitability for admission. Oral examination Oral exam questions will be related to mathematics and specialist subjects. * The scope of the oral questions in mathematics will be the same as	(1) Those recognized as qualified due to their research results, history, etc., will have the oral exam waived. Instead, their research presentation and question-and-answer session will be performed. Contact your intended hosting academic supervisor for details of waiver conditions and how to apply for a waiver of the oral exam.

			Mathematics A and B in the written exams. Choose any two of the following 5 specialist subjects: Thermodynamics, Mechanics of Fluids, Mechanics of Materials, Dynamics of Mechanical Systems, Control Engineering, Materials Physics, Electromagnetism, Quantum Mechanics. The scope of the oral questions will be the same as in the written exams.	(2) For the scope of each subject, refer to the following website. https://www.mech.tohoku.ac.jp/
	Short essay	Mar 1 (Wed) 13:00-15:00	Related to biomedical engineering, medicine, and health and welfare.	(3) Since the examination is likely to be conducted online, make sure you have an Internet connection and prepare a personal computer, a web camera, a smartphone with camera or a scanner.
	Interview [Note 2]	Mar 2 (Thu) The meeting time will be informed separately.	The applicants will present their master's thesis, past research achievements, and post-entry research hopes. After the presentation, a question-and-answer session will be held to evaluate the applicant's suitability for admission.	(4) We will announce whether the examination will be online or on-site when the examination admission ticket is sent.

[Note 1] If the original score sheet of the TOEFL® test or TOEIC® public test is not submitted, the English score will be zero.

[Note 2] Varies depending on the laboratory you wish to enter, as shown below.

If applying to enter a mechanical science lab: Oral examination

If applying to enter a lab other than mechanical science: Interview

If you are unsure if your intended lab is a mechanical sciences lab, inquire ahead of time with your prospective academic advisor in the laboratory (field) you wish to study in or with the Academic Affairs Section, Graduate School of Biomedical Engineering.

B. Engineering (Electrical/Information)

Selection	Exam subjects	Date and time	Description	Remarks
(Advancement) General	Select separately.			
General Selection (transfer) Special Selection for Foreign Student	English		A score sheet of the TOEFL® Test or TOEIC® Public Test taken within the past two years from the entrance examination date must be submitted with the application. TOEFL iBT® Home Edition scores are also acceptable. [Note 1] Applicants whose native language is English or who have received higher education in English should inquire individually.	<p>(1) Written examination may be waived depending on the applicant's record as indicated on transcripts.</p> <p>(2) For the scope of each subject, refer to the following website. http://www.ecei.tohoku.ac.jp/ecei_web/admission/</p> <p>(3) Calculators or devices such as watches and mobile phones with calculation or communication functions are prohibited.</p> <p>* If the face-to-face examination cannot be conducted due to the prevention of the spread of Covid-19, the examination detail will be informed to the examinee separately.</p>
	Basic subjects	Feb 28 (Tue) 9:40-10:40 Meeting time 9:00	Choice of 2 questions from the following 6 areas: Electromagnetism, Electrical Circuits, Basic Information Science 1, Basic Information Science 2, Basic Physics, and Basic Mathematics.	
	Interview	Mar 2 (Thu.) The meeting time will be informed separately.	The applicants will present their master's thesis, past research achievements, and post-entry research hopes. After the presentation, a question-and-answer session will be held to evaluate the applicant's suitability for admission.	
Special Selection for Working People	Short essay	Mar 1 (Wed) 13:00-15:00	Related to biomedical engineering, medicine, and health and welfare.	* If the face-to-face examination cannot be conducted due to the prevention of the spread of Covid-19, the examination detail will be informed to the examinee separately.
	Interview	Mar 2 (Thu) The meeting time will be informed separately.	The applicants will present their master's thesis, past research achievements, and post-entry research hopes. After the presentation, a question-and-answer session will be held to evaluate the applicant's suitability for admission.	

[Note 1] If the original score sheet of the TOEFL® test or TOEIC® public test is not submitted, the English score will be zero.

C. Engineering (Materials)

Selection	Exam subjects	Date and time	Description	Remarks
(Advancement) General	Select separately.			
General Selection (transfer) Special Selection for Working Adults, Special Selection for Foreign Students	English		A score sheet of the TOEFL® Test or TOEIC® Public Test taken within the past two years from the entrance examination date must be submitted with the application. TOEFL iBT® Home Edition scores are also acceptable. [Note 1] Applicants whose native language is English or who have received higher education in English should inquire individually.	(1) For the scope of each subject, refer to the following website. http://www.material.tohoku.ac.jp/admission/index.html * If the face-to-face examination cannot be conducted due to the prevention of the spread of Covid-19, the examination detail will be informed to the examinee separately.
	General examination	Feb 28 (Tue) - Mar 2 (Thu) 40 min. The schedule will be informed individually.	Oral examination of Physics, Chemistry, Materials Chemistry, Materials Physics, and Materials Processing.	
	Specialist examination	Feb 28 (Tue) - Mar 2 (Thu) 40 min. The schedule will be informed individually.	An oral presentation on either the master's thesis or research carried out following completion of the master's course.	
	Short essay (For Working Adults)	Mar 1 (Wed) 13:00-15:00	Related to biomedical engineering, medicine, and health and welfare.	
	Interview	Mar 2 (Thu) The Meeting time will be informed separately.	The applicants will present their master's thesis, past research achievements, and post-entry research hopes. After the presentation, a question-and-answer session will be held to evaluate the applicant's suitability for admission.	

[Note 1] If the original score sheet of the TOEFL® test or TOEIC® public test is not submitted, the English score will be zero.