

Appendix— Admission Screening Examination Schedule for October 2020 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,<br>Finemechanics,<br>Robotics,<br>Aerospace Engineering | Selection to be made separately by the department.  |               |             | Department inquiries: Systems Science and<br>Mechanical Engineering Academic Affairs<br>Section<br>Phone: 022-795-7030                                    |
| Quantum Science and Energy<br>Engineering   | Selection to be made separately by the department.  |               |             | Department inquiries: Systems Science and<br>Mechanical Engineering Academic Affairs<br>Section<br>Phone: 022-795-7030                                    |
| Electrical Engineering,<br>Communications Engineering,<br>Electronic Engineering        | Selection to be made separately by the department.<br><b>In order to prevent the spread of infection of COVID-19, we will notify the examinee separately about the test method when the test cannot be conducted on site.</b> |               |             |   |
| Applied Physics   | Selection to be made separately by the department.<br><b>In order to prevent the spread of infection of COVID-19, we will notify the examinee separately about the test method when the test cannot be conducted on site.</b> |               |             |   |
| Applied Chemistry,<br>Chemical Engineering,<br>Biomolecular Engineering                 | Selection to be made separately by the department.  |               |             | Department inquiries:<br>Office: 022-795-7205<br>Website: <a href="http://www.che.tohoku.ac.jp/index-j.html">http://www.che.tohoku.ac.jp/index-j.html</a> |
| Metallurgy,<br>Materials Science,<br>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. 26                  |                | <p>(1) Calculators, dictionaries, or devices such as watches or mobile phones with calculation or communication functions are not allowed to in the examination room.</p> <p>(2) Time and place of the interview will be notified in advance.</p> <p>(3) In case of suspension of the test on site and switch to online test because of new type corona virus infection, the details will be notified by your department.</p> <p>(4) Inquire with the department for details.</p> <p>Phone: 022-795-7489<br/>(Civil Engineering and Architecture Academic Affairs Section)</p> |
| Architecture and Building Science   | Screening of application document              | Tue., Aug. 25 or Wed., Aug. 26 | Research plans | <p>(1) Time and place of the interview will be notified by the department office.</p> <p>(2) An additional assignment may need to be submitted according to the situation.</p>   |
|                                     | Interview                                      | Tue., Aug. 25 or Wed., Aug. 26 |                | <p>(3) If any changes are made for preventing the spread of COVID-19, the examinees will be notified by the department.</p> <p>Department inquiries:<br/>Civil Engineering and Architecture Academic Affairs Section Phone 022-795-7489</p>  |
| 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,<br>Finemechanics,<br>Robotics<br>Aerospace Engineering, | English                          |   | ※<br><br><del>At the time of application, submit an original TOEFL<sup>®</sup> or TOEIC<sup>®</sup> score sheet no older than two years before the entrance exam. Students whose native tongue is English should contact the department individually.</del> | <del>*Evaluate according to the contents of the transcript. 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.)</del>  |
|   | Math A (mandatory)               | Tue., Aug. 25,<br>9:30 to <del>10:30</del><br><del>11:00</del> a.m.<br>(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.<br>(2) On the scope of each subject, inquire with your department or confirm with the website below.<br><a href="http://www.mech.tohoku.ac.jp/">http://www.mech.tohoku.ac.jp/</a><br>(3) Calculators or devices such as watches or mobile phones with calculation or communication functions are not allowed in the examination room.<br>(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.<br>(5) Since there is a high possibility that it will be an online test, secure an internet environment and be sure to prepare a personal computer, WEB camera and smartphone with camera function (or scanner).<br>(6) We will inform you when the test voucher is shipped (in early August) whether it is an online test or a local test. |
|   | Math B (mandatory)               | Tue., Aug. 25,<br>1:30 to <del>2:30</del><br><del>3:00</del> p.m.   | Ordinary Differential Equations, Partial Differential Equations, Fourier Series and Fourier Transforms, Laplace Transforms  |  |
|   | Specialized subjects (elective)* | Wed., Aug. 26,<br><del>9:30</del> to<br><del>10:30</del> a.m. <del>noon</del><br>(assemble at 9:00<br><del>8:30</del> ) | Thermodynamics, Fluid Dynamics, Strength of Materials, Dynamics of Mechanical Systems, Control Engineering *Choose any two of the above listed five subjects.   |  |
|   | Interview                        | Thu., Aug. 27<br>(time indicated by your department)  | Questions about your master's thesis, etc. and research plans after entering this program.  |  |

| Department                              | Test Subjects      | Date and Time  | Description   | Remarks  |
|---|--------------------|--|---|--|
|   |                    |  |   | Department inquiries: Systems Science and Mechanical Engineering Academic Affairs Section Phone: 022-795-7030  |
| Quantum Science and Energy Engineering, | English            |  | At the time of application, submit an original 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 will be accepted if the applicants, (except those whose native language is English) are able to submit the documents showing their English scholastic ability (Eiken, TOEFL ITP, TOEFL iBT Special Home Edition Test and so on).<br><del>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.)</del> |
|   | Math A (mandatory) | Tue., Aug. 25, 9:30 to <del>10:30</del> <del>11:00</del> 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. 25, <del>11:30</del> <del>1:30</del> to <del>12:30</del> <del>3:00 p.m.</del> | 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.<br><a href="http://www.qse.tohoku.ac.jp/">http://www.qse.tohoku.ac.jp/</a><br><br>(3) Calculators or devices such as watches or mobile phones with calculation or  |


| Department   | Test Subjects                    | Date and Time  | Description  | Remarks   |
|--|----------------------------------|--|--|---|
|  | Specialized subjects (elective)* | <p><del>Tue. Wed., Aug. 25 26, 13:30 9:00 to 14:30 noon</del><br/> <del>(assemble at 8:30)</del></p>   | <p>Thermodynamics, Fluid Dynamics, Strength of Materials, Dynamics of Mechanical Systems, Control Engineering, Materials Science, Electromagnetics, Quantum Mechanics <del>*Choose any two of the above listed eight subjects.</del><br/> Choose any two of the specialized subjects. The applicants must notify the chosen subjects to the department office in advance. The subjects cannot be changed once decided.</p> | <p>communication functions are not allowed in the examination room.</p> <p>(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.</p> <p>(5) <del>An internet connection environment is required. Interviews will be held online, and written exams might be also held online. The detail procedure will be informed later.</del></p> |
|  | Interview                        | <p>Thu., Aug. 27 (held online)<br/> The schedule will be announced later by the department head.<br/> <del>(time indicated by your department)</del></p> | <p>Questions about your master's thesis, etc. and research plans after entering this program.</p>  | <p>Department inquiries: Systems Science and Mechanical Engineering Academic Affairs Section Phone: 022-795-7030</p>  |
| Electrical Engineering, Communications Engineering, Electronic Engineering | English                          |  | <p>TOEFL® Test (PBT, iBT) or TOEIC® Listening &amp; Reading Test score certificate is NOT required. English achievements in your university report are used for evaluation..<br/> <del>At the time of application, submit an original TOEFL® or TOEIC® score sheet no older than two years before the entrance exam.</del></p>   | <p>(1) The written testing may be waived depending on the applicant's record as indicated on transcripts.</p> <p>(2) On the scope of each subject, inquire with your department or confirm with the website below.<br/> <a href="http://www.ecei.tohoku.ac.jp/ecei_web/admission/exam_subject.html">http://www.ecei.tohoku.ac.jp/ecei_web/admission/exam_subject.html</a></p>   |

| Department | Test Subjects  | Date and Time   | Description  | Remarks   |
|------------|----------------|---|--|---|
|            | Basic subjects | Tue., Aug. 25,<br>9:30 to 11:30 a.m.<br>(Meeting time 9: 00<br>a.m.)        | Choose 2 questions from the following 6 areas:<br>electromagnetics, electrical circuits, basic information science 1, basic information science 2, basic physics, basic mathematics          | (3) Calculators or devices such as watches or mobile phones with calculation or communication functions are not allowed in the examination room.<br><br>Department inquiries: Electronic Information System and Applied Physics Academic Affairs Section<br>Phone: 022-795-7186 |
|            | Interview      | Wed., Aug. 26 or<br>Thu., Aug. 27<br>(time indicated by<br>your department) | Approx. 20-minute presentation about your university education or master's thesis, and research plans after entering this program, etc.<br>Bring three copies of support materials with you. | <b>In order to prevent the spread of infection of COVID-19, we will notify the examinee separately about the test method when the test cannot be conducted on site.</b>   |

| Department      | Test Subjects            | Date and Time                      | Description  | Remarks  |
|-----------------|--------------------------|------------------------------------|--|--|
| Applied Physics | English                  |                                    | <p>TOEFL® Test (PBT, iBT) or TOEIC® Listening &amp; Reading Test score certificate is NOT required.</p> <p><del>At the time of application, submit an original TOEFL® or TOEIC® score sheet no older than two years before the entrance exam.</del></p>  | <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<br/>Phone: 022-795-7186</p> <p><b>In order to prevent the spread of infection of COVID-19, we will notify the examinee separately about the test method when the test cannot be conducted on site.</b></p> |
|                 | Basic subjects           | Tue., Aug. 25, 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. 25 1:00 to 2:30 p.m.    | Choice of 2 questions from the following fields: electromagnetism (electrostatics, magnetostatics, electromagnetic induction, electromagnetic wave), 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. 25, from 3:30 p.m.      | Presentation on master's thesis for 25 min. and oral test.   |  |
|                 | Interview                | Wed, Aug. 26, from 9:00 a.m.       | Presentation on master's thesis for 10 min. and oral test. <b>English ability may also be asked about.</b>   |  |

| Department  | Test Subjects                   | Date and Time                                     | Description  | Remarks   |
|---|---------------------------------|---|--|---|
| Applied Chemistry,<br>Chemical Engineering,<br>Biomolecular Engineering | Specialized subjects            | Tue., Aug. 25,<br>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)  | <p>(1) If admission screening examinations cannot be performed in a conventional manner due to coronavirus (COVID-19) precautions, examinees will be informed of alternative formats.</p> <p>(2) Examination schedule may be changed due to epidemic precautions.</p> <p>Department inquiries:<br/>Office: 022-795-7205<br/>Website: <a href="http://www.che.tohoku.ac.jp/index-j.html">http://www.che.tohoku.ac.jp/index-j.html</a></p>  |
|   | English                         | Tue., Aug. 25,<br>1:00 to 2:00 p.m.               |  |   |
|   | Interview test                  | Tue., Aug. 25<br>from 3:00 p.m.                   | Summary presentation about master's thesis and oral test   |   |
| Metallurgy,<br>Materials Science,<br>Materials Processing               | English                         |   | <p>At the time of application, submit an original TOEFL® or TOEIC® score sheet no older than two years before the entrance exam.</p> <p>If you are unable to take the English Proficiency Tests required in application guideline due to the spread of COVID-19 infection, we will accept the application documents as exceptional. In this case, attach other document that shows your English proficiency (for instance, score sheet of English Proficiency Test (Eiken), TOEFL ITP, TOEFL iBT Special Home Edition Test, etc.) instead.</p> | <p>(1) The English test may be waived for those who have completed master's programs at this school.</p> <p>(2) Schedules etc. will be notified individually.</p> <p>(3) Submitted TOEFL®/TOEIC® score sheets will not be returned. However, this excludes TOEFL® "Test Taker Score Report". It can be returned on the entrance examination day if the applicant requests at the time of application.</p> <p>(4) Please refer to the following website to ensure further details, especially the types of TOEFL®/TOEIC® scores to meet the admission requirement.<br/><a href="http://www.material.tohoku.ac.jp/admission/index.html">http://www.material.tohoku.ac.jp/admission/index.html</a></p> <p>*To prevent the spread of COVID-19 infection, the examinees will be notified separately regarding the test method when</p> |
|   | General field-specific subjects | Tue., Aug. 25 to<br>Thu., Aug. 27<br>(40 minutes) | Oral test in physics, chemistry, materials chemistry, materials properties of matter, and materials processing.  |   |






| Department | Test Subjects                      | Date and Time                               | Description   | Remarks  |
|------------|------------------------------------|---|---|--|
|            | Designated field-specific subjects | Tue., Aug. 25 to Thu., Aug. 27 (40 minutes) | Oral presentation about master's thesis or research conducted after completing master's degree. | <p>face-to-face tests cannot be conducted.</p> <p>*Inquire with the department for details.<br/>Academic Affairs Section: 022-795-7373</p> |

| Department                          | Test Subjects | Date and Time | Description  | Remarks   |
|-------------------------------------|---------------|---------------|--|---|
| Civil and Environmental Engineering | English       |               | <p>TOEFL® Test (PBT, iBT) or TOEIC® Listening &amp; Reading Test Score Certificate is REQUIRED as described in the application guideline in principle. If you couldn't take the tests within 2 years, you can submit the certificate taken before that. In addition to the tests described in the application guideline, TOEFL iBT® Special Home Edition is also valid for this time as exceptional. Applicants need to submit the certificate before the entrance examination begins. If you are unable to submit any of the certificates, please submit a statement of reasons before the entrance examination begins. When justifiable reasons are provided, your grade in English in your university report is used for evaluation.</p> <p><del>At the time of application, submit an original TOEFL® or TOEIC® score sheet no older than two years before the entrance exam.</del></p> <p>※ To submit the TOEFL iBT® Special Home Edition score, follow the procedure below.</p> <p>(1) BE SURE to complete the procedure for sending your Official Score Reports to the School of Engineering, Tohoku University (code: 8958), when you apply for taking the test.</p> <p>(2) Print out your score that can be confirmed through your ETS account, and submit the sheet before the entrance examination begins</p> <p>※ Please send your certificate to the address shown in application guideline. From the day before the examination, you need to send the certificate to the Academic Affairs Section of Department of Civil Engineering directly.</p> | <p>(1) Time and place of the interview will be notified by the department.</p> <p>(2) In case of suspension of the test on site due to novel coronavirus, the details of an online test will be notified by your department.</p> <p>(3) Inquire with the department for details.</p> <p>Phone: 022-795-7489<br/>(Civil Engineering and Architecture Academic Affairs Section)</p> |

| Department                        | Test Subjects | Date and Time                    | Description   | Remarks  |
|-----------------------------------|---------------|----------------------------------|---|--|
|                                   | Oral test     | Tue., Aug. 25                    | 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. 25                    |   |  |
| Architecture and Building Science | Oral test     | Tue., Aug. 25 or Wed., Aug. 26   | Presentation on master's thesis or equivalent study and research plans (may use PC), followed by questions about presentation contents.   | (1) Time and place of the interview will be notified by the department.<br>(2) An additional assignment may need to be submitted according to the situation.<br>(3) Inquire with the department for details.<br>(4) If any changes are made for preventing the spread of COVID-19, the examinees will be notified by the department. |
|                                   | Interview     | Tue., Aug. 25 or Wed., Aug. 26   | At the same time of the oral test.  | Department inquiries:<br>Civil Engineering and Architecture Academic Affairs Section<br>Phone 022-795-7489   |
| Management Science and Technology | English       |                                  | TOEFL® Test (PBT, iBT) or TOEIC® Listening & Reading Test score certificate is NOT required. English ability is measured by Undergraduate Transcripts, etc.<br><br><del>At the time of application, submit an original TOEFL® or TOEIC® score sheet no older than two years before the entranee exam.</del> | Time and place for the oral test will be notified by the department.<br><br>*If any further changes are made for preventing the spread of COVID-19, the examinees will be notified by the department.  |
|                                   | Short essay   | Tue., Aug. 25, 1:00 to 3:00 p.m. | Composition on technology and society   | Department inquiries:<br>Office: 022-795-3863<br>Website:<br><a href="http://www.most.tohoku.ac.jp">http://www.most.tohoku.ac.jp</a>   |



| Department | Test Subjects | Date and Time   | Description   | Remarks |
|------------|---------------|---|---|---------|
|            | Oral test     | Wed., Aug. 26<br>from 9:00 a.m. or<br>Thu., Aug. 27<br>from 9:00 a.m. | Presentation on research up to<br>now and plans for research after<br>entering program, followed by<br>questions on presentation<br>contents, etc.<br><b>English ability may also be asked<br/>about.</b> |         |

(C) Special Selection Program for Working Adults

| Department  | Test Subjects    | Date and Time   | Description  | Remarks  |
|---|------------------|---|--|--|
| <p>Mechanical Systems Engineering, Finemechanics, Robotics, Aerospace Engineering</p> | <p>Oral test</p> | <p>Wed., Aug. 26 or Thu., Aug. 27 (time indicated by your department)</p> | <p>&lt;Presentation and questions&gt;<br/>(Approx. 30minutes)<br/>Presentation on your research, such as a master's thesis, and followed by questions on presentation contents.</p> <p>&lt;Oral test&gt;<br/>(Approx. 20 minutes)<br/>Questions from mathematics and specialized subjects.<br/>*On the scope of mathematics, it is the same as the written tests Math A and Math B.<br/>On the scope of specialized subjects, it is the same as the written test.<br/>Choose 2 subjects beforehand from the following 5 areas:<br/>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 &amp; 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.<br/><a href="http://www.mech.tohoku.ac.jp/">http://www.mech.tohoku.ac.jp/</a></p> <p>(3) Since there is a high possibility that it will be an online test, secure an internet environment and be sure to prepare a personal computer, WEB camera and smartphone with camera function (or scanner).</p> <p>(4) We will inform you when the test voucher is shipped (in early August) whether it is an online test or a local test.</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. 26 or Thu., Aug. 27<br>(held online)<br>The schedule will be announced later by the department head.<br>(time indicated by your department) | <p>&lt;Presentation and questions&gt;<br/>(Approx. 30 minutes)<br/>Presentation on your research, such as a master's thesis, and followed by questions about presentation contents.</p> <p>&lt;Oral test&gt;<br/>(Approx. 20 minutes)<br/>Questions from mathematics and specialized subjects.<br/>*On the scope of mathematics, it is the same as the written tests Math A and Math B.<br/>On the scope of Specialized subjects, it is the same as the written test.<br/>Choose 2 subjects beforehand from the following 8 areas:<br/>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 &amp; 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.<br/><a href="http://www.qse.tohoku.ac.jp/">http://www.qse.tohoku.ac.jp/</a></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. 26 or Thu., Aug. 27<br>(time indicated by your department)  | <p>Approx. 20-minute presentation about studies up to now and research plans after entering this program.<br/>Bring three copies of support materials with you.</p>  | In order to prevent the spread of infection of COVID-19, we will notify the examinee separately about the test method when the test cannot be conducted on site.  |
| Applied Physics  | Interview      | Wed., Aug. 26, from 9:00 a.m.  | Presentation on research for 10 min. and oral test. English ability may also be asked about.   | <p>The field-specific interview will be held prior to the entrance exam (late August).</p> <p>In order to prevent the spread of infection of COVID-19, we will notify the examinee separately about the test method when the test cannot be conducted on site.</p>  |
| Applied Chemistry, Chemical Engineering, Biomolecular Engineering          | Interview test | Wed., Aug. 26, from 9:30 a.m.  | Research presentation and oral test  | (1) If admission screening examinations cannot be performed in a conventional manner due to coronavirus (COVID-19) precautions, examinees will be informed  |

| Department  | Test Subjects                   | Date and Time                               | Description  | Remarks  |
|---|---------------------------------|---|--|--|
|   |                                 |   |  | <p>of alternative formats.<br/> (2) Examination schedule may be changed due to epidemic precautions.</p> <p>Department inquiries:<br/> Office: 022-795-7205<br/> Website:<br/> <a href="http://www.che.tohoku.ac.jp/index-j.html">http://www.che.tohoku.ac.jp/index-j.html</a></p>   |
| Metallurgy, Materials Science, Materials Processing | English                         |   | <p>At the time of application, submit an original TOEFL® or TOEIC® score sheet no older than two years before the entrance exam.</p> <p>If you are unable to take the English Proficiency Tests required in application guideline due to the spread of COVID-19 infection, we will accept the application documents as exceptional. In this case, attach other document that shows your English proficiency (for instance, score sheet of English Proficiency Test (Eiken), TOEFL ITP, TOEFL iBT Special Home Edition Test, etc.) instead.</p> | <p>(1) Submission of TOEFL®/TOEIC® score sheet may be waived for qualified applicants. Ask your prospective professor for details.</p> <p>(2) Schedules etc. will be notified individually.</p> <p>(3) Submitted TOEFL®/TOEIC® score sheets will not be returned. However, this excludes TOEFL® “Test Taker Score Report”. It can be returned on the entrance examination day if the applicant requests at the time of application.</p> <p>(4) Please refer to the following website to ensure further details, especially the types of TOEFL®/TOEIC® scores to meet the admission requirement.<br/> <a href="http://www.material.tohoku.ac.jp/admission/index.html">http://www.material.tohoku.ac.jp/admission/index.html</a></p> |
|   | General field-specific subjects | Tue., Aug. 25 to Thu., Aug. 27 (40 minutes) | Oral test in physics, chemistry, materials chemistry, materials properties of matter, and materials processing.  | <p>*To prevent the spread of COVID-19 infection, the examinees will be notified separately regarding the test method when face-to-face tests cannot be conducted.</p> <p>*Inquire with the department for details.</p>   |

| Department                          | Test Subjects                      | Date and Time                               | Description   | Remarks   |
|-------------------------------------|------------------------------------|---|---|---|
|                                     | Designated field-specific subjects | Tue., Aug. 25 to Thu., Aug. 27 (40 minutes) | Oral presentation about research conducted up to now or master's thesis.  | Academic Affairs Section: 022-795-7373  |
| Civil and Environmental Engineering | Short essay                        | Tue., Aug. 25, 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.  |
|                                     | Oral test                          | Tue., Aug. 25,                              | Within 15-minute presentation on research or work at the place of employment (may use PC), followed by questions about the presentation contents. | (2) Time and place of the interview and the oral test will be notified by the department.<br><br>(3) In case of suspension of the test on site due to novel coronavirus, the details of an online test will be notified by your department. |
|                                     | Interview                          | Tue., Aug. 25,                              |   | (4) Inquire with the department for details. Phone: 022-795-7489 (Civil Engineering and Architecture Academic Affairs Section)  |
| Architecture and Building Science   | Oral test                          | Tue., Aug. 25 or Wed., Aug. 26              | Presentation on research plans (may use PC), followed by questions about presentation contents.   | (1) Time and place of the interview and the oral test will be notified by the department.<br><br>(2) An additional assignment may need to be submitted according to the situation.  |
|                                     | Interview                          | Tue., Aug. 25 or Wed., Aug. 26              | At the same time of the oral test.  | (3) Inquire with the department for details.<br><br>(4) If any changes are made for preventing the spread of COVID-19, the examinees will be notified by the department.<br><br>Department inquiries:<br>Civil Engineering and Architecture |



| Department                        | Test Subjects | Date and Time   | Description   | Remarks  |
|-----------------------------------|---------------|---|---|--|
|                                   |               |   |   | Academic Affairs Section<br>Phone 022-795-7489   |
| Management Science and Technology | Oral test     | Wed., Aug. 26<br>from 9:00 a.m. or<br>Thu., Aug. 27<br>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.<br><br>*If any further changes are made for preventing the spread of COVID-19, the examinees will be notified by the department.<br><br>Department inquiries:<br>Office: 022-795-3863<br>Website:<br><a href="http://www.most.tohoku.ac.jp">http://www.most.tohoku.ac.jp</a> |

(D) Special Selection Program for Foreign Students

| Department  | Test Subjects                    | Date and Time  | Description  | Remarks  |
|---|----------------------------------|--|--|--|
| Mechanical Systems Engineering,<br>Finemechanics,<br>Robotics,<br>Aerospace Engineering | English                          |  | ※<br><br><del>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.</del> | *Evaluate according to the contents of the transcript.<br><del>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.)</del><br><br><del>It is "failed" if the submitted score does not meet the following requirement. —(550 for TOEFL-PBT, 79 for TOEFL-iBT, or 730 for TOEIC)—</del>  |
|   | Math A (mandatory)               | Tue., Aug. 25,<br>9:30 to <del>10:30</del><br><del>11:00</del> a.m.<br>(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.<br>(2) On the scope of each subject, inquire with your department or confirm with the website below.<br><a href="http://www.mech.tohoku.ac.jp/">http://www.mech.tohoku.ac.jp/</a><br>(3) Calculators or devices such as watches or mobile phones with calculation or communication functions are not allowed in the examination room.<br>(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.<br>(5) <del>Since there is a high possibility that it will be an online test, secure an internet environment and be sure to prepare a personal computer, WEB camera and smartphone with camera function (or</del> |
|   | Math B (mandatory)               | Tue., Aug. 25,<br>1:30 to <del>2:30</del><br><del>3:00</del> p.m.  | Ordinary Differential Equations, Partial Differential Equations, Fourier Series and Fourier Transforms, Laplace Transforms   |  |
|   | Specialized subjects (elective)* | Wed., Aug. 26,<br><del>9:30-10:00</del> to<br><del>10:30 a.m. noon</del><br>(assemble at 9:00<br><del>8:30</del> ) | Thermodynamics, Fluid Dynamics, Strength of Materials, Dynamics of Mechanical Systems, Control Engineering, *Choose any two of the above listed five subjects.   |  |
|   | Interview                        | Thu., Aug. 27<br>(time indicated by your department)   | Questions about your master's thesis, etc. and research plans after entering this program.   |  |

| Department                              | Test Subjects      | Date and Time   | Description   | Remarks   |
|---|--------------------|---|---|---|
|   |                    |   |   | <p>scanner).</p> <p>(6) We will inform you when the test voucher is shipped (in early August) whether it is an online test or a local test.</p> <p>Department inquiries: Systems Science and Mechanical Engineering Academic Affairs Section Phone: 022-795-7030</p>  |
| Quantum Science and Energy Engineering, | English            |   | <p>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.</p> | <p>The application will be accepted if the applicants, (except those whose native language is English) are able to submit the documents showing their English scholastic ability (Eiken, TOEFL ITP, TOEFL iBT Special Home Edition Test and so on).</p> <p><del>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.)</del></p> |
|   | Math A (mandatory) | Tue., Aug. 25, 9:30 to <del>10:30 11:00</del> a.m. (assemble at 9:00) | Differential and Integral Calculus, Linear Algebra, Vector Analysis   | <p>(1) The written test may be waived depending on the applicant's record as indicated on transcripts.</p> <p>(2) On the scope of each subject, inquire with your department or confirm with the website below.<br/><a href="http://www.qse.tohoku.ac.jp/">http://www.qse.tohoku.ac.jp/</a></p>   |
|   | Math B (mandatory) | Tue., Aug. 25, <del>11:30 1:30</del> <del>3:00 p.m.</del> to 12:30    | Ordinary Differential Equations ,Fourier Series and Fourier Transforms, Laplace Transforms, Partial Differential Equations  | <p>(3) Calculators or devices such as watches or mobile phones with calculation or</p>  |

| Department   | Test Subjects                    | Date and Time   | Description   | Remarks   |
|--|----------------------------------|---|---|---|
|  | Specialized subjects (elective)* | <p><del>Tue. Wed., Aug. 25 26,</del><br/> 13:30 9:00 to 14:30<br/> noon<br/> <del>(assemble at 8:30)</del></p>  | <p>Thermodynamics, Fluid Dynamics, Strength of Materials, Dynamics of Mechanical Systems, Control Engineering, Materials Science, Electromagnetics, Quantum Mechanics <del>*Choose any two of the above listed eight subjects.</del> Choose any two of the specialized subjects. The applicants must notify the chosen subjects to the department office in advance. The subjects cannot be changed once decided.</p> | <p>communication functions are not allowed in the examination room.</p> <p>(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.</p> <p>(5) <del>An internet connection environment is required. Interviews will be held online, and written exams might be also held online. The detail procedure will be informed later.</del></p> <p>Department inquiries: Systems Science and Mechanical Engineering Academic Affairs Section Phone: 022-795-7030</p> |
|  | Interview                        | <p>Thu., Aug. 27<br/> (held online)<br/> The schedule will be announced later by the department head.<br/> <del>(time indicated by your department)</del></p> | <p>Questions about your master's thesis, etc. and research plans after entering this program.</p>   |   |
| Electrical Engineering, Communications Engineering, Electronic Engineering | English                          |   | <p>TOEFL® Test (PBT, iBT) or TOEIC® Listening &amp; Reading Test score certificate is NOT required. English achievements in your university report are used for evaluation.<br/> <del>At the time of application, submit an original TOEFL® or TOEIC® score sheet no older than two years before the entrance exam.</del></p>   | <p>(1) The written test may be waived depending on the applicant's record as indicated on transcripts.</p> <p>(2) On the scope of each subject, inquire with your department or confirm with the website below.<br/> <a href="http://www.ecei.tohoku.ac.jp/ecei_web/admission/exam_subject.html">http://www.ecei.tohoku.ac.jp/ecei_web/admission/exam_subject.html</a></p> <p>(3) Calculators or devices such as watches or mobile phones with calculation or</p>   |

| Department      | Test Subjects  | Date and Time   | Description  | Remarks  |
|-----------------|----------------|---|--|--|
|                 | Basic subjects | Tue., Aug. 25,<br>9:30 to 11:30 a.m.<br>(Meeting time 9: 00<br>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  | <p>communication functions are not allowed in the examination room.</p> <p>Department inquiries: Electronic Information System and Applied Physics Academic Affairs Section<br/>Phone: 022-795-7186</p> <p><b>In order to prevent the spread of infection of COVID-19, we will notify the examinee separately about the test method when the test cannot be conducted on site.</b></p> |
|                 | Interview      | Wed., Aug. 26 or<br>Thu., Aug. 27<br>(time indicated by<br>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   |  |
| Applied Physics | English        |   | <p><b>TOEFL® Test (PBT, iBT) or TOEIC® Listening &amp; Reading Test score certificate is NOT required.</b></p> <p><b><del>At the time of application, submit an original TOEFL® or TOEIC® score sheet no older than two years before the entrance exam.</del></b></p> <p><b><del>Students whose native tongue is English should contact the department individually.</del></b></p> | <p>The written test will be waived for foreign student applicants with outstanding qualifications.</p> <p>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>  |

| Department  | Test Subjects        | Date and Time                         | Description  | Remarks  |
|---|----------------------|---------------------------------------|--|--|
|   | Basic subjects       | Tue., Aug. 25,<br>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.   | <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<br/>Phone: 022-795-7186</p> <p><b>In order to prevent the spread of infection of COVID-19, we will notify the examinee separately about the test method when the test cannot be conducted on site.</b></p> |
|   | Specialized subjects | Tue., Aug. 25<br>1:00 to 2:30 p.m.    | Choice of 2 questions from the following fields: electromagnetism (electrostatics, magnetostatics, electromagnetic induction, electromagnetic wave), statistical mechanics, condensed matter physics, physical experiments and measurements, and special field-specific subjects (note 1). English translations provided as necessary. |  |
|   | Interview            | Wed., Aug. 26,<br>from 9:00 a.m.      | Presentation on research for 10 min. and oral test. <b>English ability may also be asked about.</b>  |  |
| Applied Chemistry,<br>Chemical Engineering,<br>Biomolecular Engineering | Basic subjects       | Tue., Aug. 25,<br>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  | <p><b>(1) If admission screening examinations cannot be performed in a conventional manner due to coronavirus (COVID-19) precautions, examinees will be informed of alternative formats.</b></p> <p><b>(2) Examination schedule or may be changed due to epidemic precautions.</b></p> <p>Department inquiries:</p>  |
|   | Specialized subjects |                                       | Applicant's field of specialty   |  |

| Department   | Test Subjects                            | Date and Time                                     | Description   | Remarks  |
|--|--|---|---|--|
|  | Interview test                           | Tue., Aug. 25,<br>from 11:00 a.m.                 | Summary presentation about<br>master's thesis and oral test   | Office: 022-795-7205<br>Website:<br><a href="http://www.che.tohoku.ac.jp/index-j.html">http://www.che.tohoku.ac.jp/index-j.html</a>  |
| Metallurgy, Materials Science,<br>Materials Processing | English                                  |   | At the time of application, submit<br>an original TOEFL® or TOEIC®<br>score sheet no older than two years<br>before the entrance exam.<br><b>If you are unable to take the<br/>English Proficiency Tests required<br/>in application guideline due to the<br/>spread of COVID-19 infection, we<br/>will accept the application<br/>documents as exceptional. In this<br/>case, attach other document that<br/>shows your English proficiency (for<br/>instance, score sheet of English<br/>Proficiency Test (Eiken), TOEFL<br/>ITP, TOEFL iBT Special Home<br/>Edition Test, etc.) instead.</b> | (1) Please refer to the following website to<br>ensure further details, especially the types<br>of TOEFL®/TOEIC® scores to meet the<br>admission requirement.<br><a href="http://www.material.tohoku.ac.jp/admission/index.html">http://www.material.tohoku.ac.jp/admission/index.html</a><br><br>(2)<br>submission of TOEFL®/TOEIC® score<br>sheet may be waived for qualified<br>applicants. Ask your prospective professor<br>for details.<br><br>(3) Schedules etc. will be notified<br>individually.<br><br><b>*To prevent the spread of COVID-19<br/>infection, the examinees will be notified<br/>separately regarding the test method when<br/>face-to-face tests cannot be conducted.</b><br><br>*Inquire with the department for details.<br>Academic Affairs Section: +81-22-795-7373 |
|  | General field-<br>specific<br>subjects   | Tue., Aug. 25 to<br>Thu., Aug. 27<br>(40 minutes) | Oral test in physics, chemistry,<br>materials chemistry, materials<br>properties of matter, and materials<br>processing.  |  |
|  | Designated<br>field-specific<br>subjects | Tue., Aug. 25 to<br>Thu., Aug. 27<br>(40 minutes) | Oral presentation about research to<br>date or master's thesis (in English<br>or Japanese).   |  |
| Civil and Environmental<br>Engineering                 | English                                  |   | <b>TOEFL® Test (PBT, iBT) or TOEIC®<br/>Listening &amp; Reading Test Score<br/>Certificate is REQUIRED as described<br/>in the application guideline in<br/>principle. If you couldn't take the tests<br/>within 2 years, you can submit the</b>  | (1) Ask your prospective professor<br>regarding the fields of specialized subjects<br>and the number of questions from each<br>field.  |

| Department | Test Subjects | Date and Time | Description   | Remarks   |
|------------|---------------|---------------|---|---|
|            |               |               | <p>certificate taken before that. In addition to the tests described in the application guideline, TOEFL iBT® Special Home Edition is also valid for this time as exceptional. Applicants need to submit the certificate before the entrance examination begins. If you are unable to submit any of the certificates, please submit a statement of reasons before the entrance examination begins. When justifiable reasons are provided, your grade in English in your university report is used for evaluation. <del>At the time of application, submit an original TOEFL® or TOEIC® score sheet no older than two years before the entrance exam.</del></p> <p>※ To submit the TOEFL iBT® Special Home Edition score, follow the procedure below.</p> <p>(1) BE SURE to complete the procedure for sending your Official Score Reports to the School of Engineering, Tohoku University (code: 8958), when you apply for taking the test.</p> <p>(2) Print out your score that can be confirmed through your ETS account, and submit the sheet before the entrance examination begins</p> <p>※ Please send your certificate to the address shown in application guideline. From the day before the examination, you need to send the certificate to the Academic Affairs Section of Department of Civil Engineering directly.</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) In case of suspension of the test on site due to novel coronavirus, the details of an online test will be notified by your department.</p> <p>(5) Inquire with the department for details.<br/>Phone: 022-795-7489<br/>(Civil Engineering and Architecture Academic Affairs Section)</p> |
|            | Oral test     | Tue., Aug. 25 | Within 15-minute presentation on master's thesis (completed or in progress; may use PC), followed by questions about the presentation contents.   |   |



| Department                        | Test Subjects        | Date and Time                   | Description  | Remarks  |
|-----------------------------------|----------------------|---------------------------------|--|--|
|                                   | Specialized subjects | Tue., Aug.25, 2:30 to 4:30 p.m. | <p>Choice of 3 questions from 4 questions on the test.<br/> Prospected adviser selects 1-4 fields from the list below, considering applicant's background, field 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"> <li>1. Mathematics (calculus, linear algebra, probability and statistics)</li> <li>2. Mechanics of Elastic Bodies and Structures</li> <li>3. Geotechnical and Concrete Engineering</li> <li>4. Hydraulics</li> <li>5. Water Quality and Environment</li> <li>6. Biological and Ecological Engineering</li> <li>7. Transportation Engineering and Planning</li> <li>8. Operations Research</li> </ol> |  |
|                                   | Interview            | Tue., Aug. 25 or Wed., Aug. 26  |  |  |
| Architecture and Building Science | Oral test            | Tue., Aug. 25 or Wed., Aug. 26  | Presentation on master's thesis or equivalent and research plans (may use PC), followed by questions about presentation contents.  | (1) Time and place for the oral test will be notified by the department.<br><br>(2) An additional assignment may need to be submitted according to the situation.                              |
|                                   | Interview            | Tue., Aug. 25 or Wed., Aug. 26  | At the same time of the oral test.   | (3) <b>If any changes are made for preventing the spread of COVID-19, the examinees will be notified by the department.</b><br><br>Department inquiries:<br>Civil Engineering and Architecture |

| Department                        | Test Subjects | Date and Time   | Description  | Remarks   |
|-----------------------------------|---------------|---|--|---|
|                                   |               |   |  | Academic Affairs Section<br>Phone 022-795-7489  |
| Management Science and Technology | English       |   | <p>TOEFL® Test (PBT, iBT) or TOEIC® Listening &amp; Reading Test score certificate is NOT required. English ability is measured by Undergraduate Transcripts, etc.</p> <p><del>At the time of application, submit an original TOEFL® or TOEIC® score sheet no older than two years before the entrance exam.</del></p> | <p>Time and place for the oral test will be notified by the department.</p> <p>*If any further changes are made for preventing the spread of COVID-19, the examinees will be notified by the department.</p> <p>Department inquiries:<br/>Office: 022-795-3863<br/>Website:<br/><a href="http://www.most.tohoku.ac.jp">http://www.most.tohoku.ac.jp</a></p> |
|                                   | Short essay   | Tue., Aug. 25,<br>1:00 to 3:00 p.m.                                   | Composition on technology and society  |   |
|                                   | Oral test     | Wed., Aug. 26<br>from 9:00 a.m. or<br>Thu., Aug. 27<br>from 9:00 a.m. | <p>Presentation on research up to now and plans for research after entering program, followed by questions on presentation contents, etc.</p> <p>English ability may also be asked about.</p>  |   |