

Tohoku University
Graduate School of Information Sciences
Three-Year Doctoral Program Admission Guidelines
(October 2021 Continuing and Transfer Admissions)

Examination dates: 24-26 August 2021

Admission Policy

The Tohoku University Graduate School of Information Sciences (GSIS) aims to develop researchers and professionals who possess advanced expertise in information science based on an interdisciplinary outlook on science that encompasses mathematics and social science. We expect researchers and professionals to be always sensitive to the demands of society, discover problems on their own, and promote concrete solutions to problems, by utilizing their expertise, which is based on the integration of the humanities and sciences. To develop persons who contribute to the creation of new value in "Information Science" that the GSIS aims to achieve, we seek diverse students, including students who want to deepen their studies based on our accumulated achievements in various fields, students who want to actively pursue research in interdisciplinary fields, students who want to pursue research in new fields different from their previous research field, international students whom we expect to have different backgrounds from Japanese students, and mature students who are employed persons working at companies, institutes or other places.

Specifically, we seek students who are eager to become professionals capable of contributing to society by utilizing their expertise based on interdisciplinary and fundamental ability in mathematics and science, and students who are eager to become researchers who can contribute to further development of interdisciplinary science.

To this end, we have various types of admission options in the following categories: general admission, early graduate admission, mature student admission, international student admission, and special selection for recommended admission. The selection process is divided into seven "groups" according to the academic specialties within the GSIS, and in each group, the selection method is appropriately chosen and determined from written examinations, essays, and oral examinations depending on the characteristics of each group in the two-year Master's Course and three-year Doctoral Course.

(Three-Year Doctoral Course)

In the general transfer-admission, continuing students from other graduate schools in Tohoku University, and transfer-admission for international students, we evaluate the applicant's specialized knowledge and ability to apply their knowledge to problems, as well as research content and research plans in the Master's Course, with particular emphasis on past research achievements and future potential as an interdisciplinary researcher.

In the selection process for transfer-admission for mature students, we evaluate their work history as employed persons, research content, and basic academic skills, with particular emphasis on their research plans and motivation.

Before entering the university, students are expected to have general knowledge of the field in which they intend to study, including the latest research trends; skills in researching, collecting, and organizing materials and literature necessary for their research; and the ability to develop an original academic argument based on this knowledge and information.

Assistance Program for Doctoral Students

As of FY2006, the GSIS provides an assistance program for doctoral students with the aim of providing economic support and a suitable learning environment for high achieving graduate students.

<For details, please contact the GSIS Educational Affairs Section [Kyoumu Kakari].>

1. Recruiting departments and admission category

Department	Number of students sought			
	Continuing students (Note 1)	General transfer-admission	Transfer-admission for mature students (Note 2)	Transfer-admission for international students (Note 3)
Computer and Mathematical Sciences	Limited	Limited	Limited	Limited
System Information Sciences	Limited	Limited	Limited	Limited
Human-Social Information Sciences	Limited	Limited	Limited	Limited
Applied Information Sciences	Limited	Limited	Limited	Limited

Note 1: Applicants who have completed the two-year the GSIS program (master degree program) or a professional degree program and are continuing to the three-year doctoral course.

Note 2: In principle, the status of mature students is granted to those who have worked full time for more than 2 years (see Note 4 below). In case that applicants have less than 2 years of work experience, those who will work full time after enrolment and meet one of the qualifications in section “2. Application requirements” are subject to this admission (see p.5).

Note 3: Those who are eligible to apply for transfer-admission for international students are current international students or Japanese students who have received education in higher educational institutions abroad, and who at the same time meet one of the requirements described in “2. Application Requirements” (hereinafter referred as “international students”).

Note 4: In principle, “Mature students” are those who have experience as technically skilled workers, teachers, researchers in such as public office, educational institutions and/or private companies. For individual cases without such previous work experience, contact the GSIS Educational Affairs Section to see the possibility of being classified as such.

Note 5: All those wishing to apply for transfer admission should consult beforehand with the GSIS Education Affairs Section and with their prospective supervisor to confirm their research plans after transfer admission.

2. Application requirements

- 1) Only students who are expected to complete the GSIS two-year program (master degree program) or a professional degree program in September 2021 may apply as continuing students.
- 2) In order to apply as a transfer student, applicants must satisfy one of the following prerequisites.
 - (1) Those who have a master’s degree or a professional degree (including those who are expected to acquire such a degree by the end of September 2021).
 - (2) Those who have acquired a degree equivalent to a master’s degree or a professional degree (including those who are expected to acquire such a degree by the end of September 2021) at a graduate school in another country.
 - (3) Those who have completed, while in Japan, a course of study through a correspondence course provided by a foreign school and have been awarded a degree equivalent to a master’s degree or a professional degree (including those who are expected to acquire such a degree by the end of September 2021).
 - (4) Those who have completed a master’s course in an educational institution in Japan, which is (i) recognized under the education system of a foreign country as operating a graduate school program and (ii) otherwise designated by the Minister of Education, Culture, Sports, Science and Technology (MEXT Minister) of Japan, and have been awarded a degree equivalent to a master’s degree or a professional degree (including those who are expected to acquire such a degree by the end of September 2021).
 - (5) Those who have completed programs in United Nations University, and who have received a degree comparable to a master’s (including those who are planning to finish the enrolled program by the end of September of 2021.)
 - (6) Students who enrolled in overseas educational institutions, graduate schools or United Nations University, passed the tests or screenings stipulated in the Standards for the Establishment of Graduate Schools (Ordinance of the Ministry of Education No. 28 of 1974) and are expected to have an equal to or greater academic performance than those who have completed a master's degree. Degrees expected to be awarded by the end of September 2021 will be given a consideration.
 - (7) Those designated by the MEXT (Public Notice of the Ministry of Education No.118 of 1989).

- (i) University graduates who have engaged in research for two or more years at universities, research institutes, or equivalent, and who are expected by the GSIS on the basis such as of research results, to have attained a level of scholastic achievement equivalent to or greater than those with master's or professional degrees.
- (ii) Those who have completed 16 years of education in a foreign country or who have completed in Japan a study program equivalent to 16 years of education in a foreign country through a correspondence course provided by a school in that country, and have engaged in research for two or more years at universities or research institutes, research institutes, or equivalent, and who are expected by the GSIS on the basis such as of research results, to have attained a level of scholastic achievement equivalent to or greater than those with master's or professional degrees.
- (8) Those students who, on the basis of an individual screening, are expected by the GSIS to have a level of scholastic attainment equivalent to or above those with master's or professional degrees, and who will be at least 24 years old by the end of September 2021.

Note 6: As those wishing to apply under (7) or (8) above will be subject to a prior documentation screening, they should consult beforehand with the GSIS Educational Affairs Section, submitting the documentation stipulated by the GSIS by 17 June 2021.

3. Reception of applications

Applications must be submitted to the GSIS Educational Affairs Section from 7 July 2021 to 15 July 2021. The reception is open from 9:00 a.m. to 4.30 p.m. (Except from 12:00 a.m. to 1:00 p.m.) Mailed applications must arrive us no later than 15 July 2021.

Reception of applications/ mailing address:

Educational Affairs Section
 Graduate School of Information Sciences Tohoku University
 Aramaki-Aza Aoba 6-3-09, Aoba-ku Sendai 980-8579, JAPAN
 Tel: 022-795-5814

4. Application procedure

The documents necessary for application are as follows.

For those applying for transfer admission under (7) or (8) above, the documentation submitted for screening does not need to be re-submitted. Continuing applicants do not need to pay an application fee.

The GSIS students applying as continuing students

No.	Documentation	Details
1	Continuing application form and CV	Use the form designated by the GSIS.
2	Written consent to take exam	If you are currently employed, written consent to take the entrance examination (no set format, but a company seal, or equivalent are required) issued by the head of your division. The written consent to take the entrance examination is necessary only if you will continue to be employed after entering this school.
3	Envelope for official correspondence	Use the envelope designated by the GSIS. (Enter name, address, and postcode and attach a 780 yen stamp.) If you wish to receive the return envelope at a location within Tohoku University, instead of attaching the stamp, write 'Within University' in red ink on the envelope.
4	Envelope for application	Use the envelope designated by the GSIS. (This envelope must be submitted even if you submit directly at the reception)

Note 7: In case the proposed supervisor is different from the current supervisor, the academic transcripts from master's and undergraduate are also required to be submitted.

Transfer-admission applicants and applicants wishing to advance from other departments in Tohoku University

No.	Documentation	Details
1	Continuing /transfer application form and CV	Use the form designated by the GSIS.

2	Examination admission card and photo ID card	Use the form designated by the GSIS. (Attach to the photo ID card one photograph of yourself (head and shoulders, hatless) taken no more than three months prior to the application.)
3	Certificate of (expected) completion or certificate of (expected) degree conferral	- Certificate of (expected) completion issued by your university chancellor or faculty dean, certificate of (expected) master's degree issued by the National Institution for Academic Degrees and Quality Enhancement of Higher Education, or certificate of (expected) completion issued by the head of the school you last attended, or - Applicants with the qualification criteria specified in (6) need to provide a (expected) certificate showing that they are expected to have academic performance equal to or greater than those with a master's degree, instead of the certificate requested above.
4	Academic transcript (Graduate school, etc.)	Issued by your university chancellor, graduate school dean or the head of the school you last attended or equivalent
	Academic transcript (University (department),)	Issued by your university chancellor or faculty dean. To be submitted only by those applying under (1), (2), (3), (4), (5) or (6).
5	TOEFL®Test or TOEIC®Test scoresheet (see Note 8)	Required for applicants for international student admission of Mathematics (Group 1), and applicants for general transfer-admission, applicants wishing to continue from other departments in Tohoku University and applicants for transfer-admission for international students of Information and Biosystems (Group 2), Machine and Intelligence (Group 3), Civil Engineering (Group 4), Languages and Media (Group 5), Psychology and Philosophy (Group 6) and Social Sciences (Group 7). TOEFL®Test or TOEIC®Test examinations must have been taken no more than two years before the first day of the entrance examination.
6	Letter of acceptance	Written by your prospective supervisor and signed or stamped by him/her (no set format)
7	Master's thesis (copies also accepted)	If you have no master's thesis, please submit papers or other written work showing your research results (around 2,000 characters / 850 words, A4 size).
8	Application fee Please pay 30,000 yen by 14 July according to the instructions on the right, and submit the attached "Confirmation of Payment of Application Fee".	<p>①Please pay the examination fee using ATM (financial institutions, convenience stores) or Internet banking, etc. as follows. * The name of the payee must be the applicant's own name in katakana. * Please attach a copy of the bank account information, amount, date of transfer, and name of the payee (e.g., copy of ATM statement, copy of the screen for completing the transfer from internet banking) to the confirmation of payment of the examination fee. * The bank transfer fee is the responsibility of the applicant.</p> <p>Amount : 30,000yen Payment period: 14 July [period strictly limited] Bank: Mitsubishi UFJ Bank, Bank Code: 0005 Branch office: Wakatake Branch, Branch Code: 809 Account Type: General Account number: 2259391 Name: 国立大学法人東北大学 Kana: タイ トウホクダ イカク</p> <p>②MEXT scholarship recipients and also those who applied for exemption from the application fee are not required to pay the application fee. Please refer to the GSIS website (https://www.is.tohoku.ac.jp/) for information on exemption of the application fee for disaster victims.</p> <p>③Please contact the GSIS Educational Affairs Section in advance if you live overseas and find it very difficult to make a transfer to the above financial institutions.</p>

9	Certificate of residence (with status of residence clearly indicated)	To be submitted only by foreign nationals residing in Japan (those whose period of stay exceeds 90 days). Must be issued by the mayor of the municipality within the last 3 months.
10	Return envelope for examination admission card	Use the envelope designated by the GSIS. (Clearly write name, address, and postcode and attach a 384 yen stamp.)
11	Return envelope for official correspondence	Use the envelope designated by the GSIS. (Clearly write name, address, and postcode and attach a 780 yen stamp.) If you wish to receive the return envelope at a location within Tohoku University, instead of attaching the stamp, write 'Within University' in red ink on the envelope.
12	Envelope for application	Use the envelope designated by the GSIS. (This envelope must be submitted even if you submit directly at the reception)

Note 8: We accept a score of any of the following publicly offered standardized tests: TOEFL-iBT®Test, TOEFL-PBT®Test or TOEIC®Test. We do not, however, acknowledge scores of institutionally offered TOEFL-ITP®Test or TOEIC-IP®Tests. Scores of multiple tests may be submitted provided they are of different types.

If a scoresheet is not submitted at the time of your application (by the final day of the period for application acceptance), your English language score will be rated at zero. We only accept TOEFL iBT® scores from a single test date, not MyBest™ scores.

The following applicants must submit a certificate. For further details, please see pp. 8-11.

- Mathematics (group 1): Applicants for transfer-admission for international students
- Information and Biosystems (group 2), Machine and Intelligence (group 3), Civil Engineering (group 4), Languages and Media (Group 5), Psychology and Philosophy (Group 6), Social Science (group 7) : Applicants for general transfer-admission, applicants wishing to advance from other departments in Tohoku University and applicants for transfer-admission for international students

Regarding groups 1, 2, 3, 5, 6, and 7, those whose native language is English need to inquire on an individual basis.

TOEFL, TOEFL iBT, TOEFL ITP and TOEIC are registered trademarks of Educational Testing Service (ETS).

In addition to the above documentation, applicants for transfer-admission for mature students and applicants for transfer-admission for international students should also submit the following.

[Applicants for transfer-admission for mature students]

No.	Documentation	Details
1	Written consent to take examination	If you are currently employed, written consent to take the entrance examination (no set format, but a company seal or equivalent are required) issued by the head of your division.
2	Employment certificate	An employment certificate about the employment period, content of work, and position (no set format, but a company seal or equivalent are required) issued by the head of your division.
3	Statement of purpose	Areas of interest, future goals, etc. (use A4 for printing)
4	Research plan	A4 size (around 2,000 characters / 850 words)
5	Explanation of past research	Master's thesis, your workplace research achievements, etc. (use A4 for printing)
6	List of research achievements	List of papers and patents. (For joint work, note the percentage of your contribution. ; use A4 for printing)

[Applicants for transfer-admission for international students]

No.	Documentation	Details
1	Letter of recommendation	Written by your previous graduate school supervisor or a person of the same position as the supervisor (no set format). Unnecessary for those who completed (or expected to complete) graduate school in Japan by the end of September 2021.

2	Other	Submit papers, reports, etc., if any, that demonstrate scholastic ability.
3	Government scholarship certificate	For international students on Japanese government (MEXT) scholarships at other universities, submit a MEXT scholarship certificate issued by their university
4	Written consent to take exam, employment certificate, etc.	If you are currently employed, written consent to take the examination (no set format, but a company seal, etc. are required) issued by the head of your division.

5. Admission method

1) Continuing students from the GSIS

Admission will be based upon results from the two-year master's program, an individual assessment, etc.

2) General transfer-admission applicants, continuing students from other graduate schools of Tohoku University and applicants for transfer-admission for international students

In principle, admission will be based on a combination of written examinations, an oral examination, academic transcript and other submitted documents.

However, in the case of Group 3 (Mechanical and Intellectual Engineering) for Transfer-admission for international students, the oral examination may not be conducted depending on the results of the written examination.

Applicants should refer to “the list of laboratories (areas)” on pp.14-17 or the GSIS website (<https://www.is.tohoku.ac.jp/en/laboratory/>) to select the laboratory (area) to which they wish to be assigned and take the written and oral examinations for the specialized subject group specified by that laboratory (in that area).

Subject group codes, laboratory codes and departments are shown in Table 1.

The content of examinations for each specialized subject group is shown on pp.8-11.

Where the applicant is continuing from another graduate school at Tohoku University and their prospective supervisor will be one of the persons examining their thesis, their master's program results may be sufficient to exempt them from the written examinations.

Table 1

Specialized subject group		Laboratory codes	Department
Group code	Name		
1	Mathematics	A01-1, A01-2, A02-1, A02-2, A03, A04	Computer and Mathematical Sciences
		B01-1, B01-2, B02-1, B02-2, B03	System Information Sciences
2	Information and Biosystems	A05, A07, A08, A09, A10, A11, A13, A14, A16, A17, A18, B16	Computer and Mathematical Sciences
		B04, B05, B06, B07, B08, B11, B12, B13, B15	System Information Sciences
		D01, D02, D04, D05, D07, D08-1, D08-2, D10, D11, D12	Applied Information Sciences
3	Machine and Intelligence	A06-1, A06-2, A12-1, A12-2, A15-1, A15-2, A19-1, A19-2	Computer and Mathematical Sciences
		B09, B10-1, B10-2, B14	System Information Sciences
		D03-1, D03-2, D03-3, D09-1, D09-2	Applied Information Sciences
4	Civil Engineering	C11-1, C11-2, C12-1, C12-2, C13-1, C13-2	Human-Social Information Sciences
5	Languages and Media	C01, C06, C14, C15	Human-Social Information Sciences
6	Psychology and Philosophy	C02, C03, C04, C05, C16	Human-Social Information Sciences
		D06	Applied Information Sciences
7	Social Sciences	C07, C08, C09, C10	Human-Social Information Sciences

* Aside from the above, the following examination method can also be chosen.

Special method: In place of the above written and oral examinations, the applicant can produce a paper or a short essay concerning their background, undergo an oral examination, and sit a foreign language examination (English). (According to the outcome of the prior documentation screening, examination by such methods may not be permitted.)

Those wishing to be examined using the above method must consult with the GSIS Educational Affairs Section and their prospective supervisor by 17 June 2021.

(a) Schedule for screening examinations.

Examinations will be held by specialized subject group from 24 August 2021 to 26 August 2021 according to the schedule on pp.8-11.

(b) Place and time of the examination

The details including the examination venue will be notified along with the examination admission card to be sent. As for the details, refer to “Examination schedule and examination content for each specialized subject group.” (p.8)

3) Transfer-admission for mature students

In principle, those applying for admission as mature students should have been employed for two or more years as technicians, researchers, or teachers in public offices, schools or companies, etc. In case that applicants have less than 2 years of work experience, only those who have a status as a researcher, teacher or technician after being transferred are subject to the admission. The aim is for mature students to exploit their workplace experience in their learning and research, refresh and advance their knowledge and skills, or to acquire knowledge and skills in new areas, continuing their creative abilities.

In principle, the screening will entail a holistic assessment of the applicant’s basic academic ability and work experience and research content as a working member of society based on a short essay, oral examination and documentation screening. Emphasis will also be placed on the relationship between the research area in which the candidate wishes to major and their work and research experience to date.

The examination dates, start times and the examination content for the various specialized subject groups can be found on pp.12-13. Examination venues will be the same as for (2) General transfer-admission applicants, continuing students from other graduate schools of Tohoku University and applicants for transfer-admission for international students noted above.

6. Announcement of passed applicants

The examination code numbers of passed applicants will be listed on the GSIS website around 5 p.m. on 3 September 2021 (<https://www.is.tohoku.ac.jp/>). Applicants will also be notified of results placed in the envelope exclusively used for official communication by mail.

7. Application for Long-Term Study System

The GSIS can, based on the results of a review, give permission for a student to complete their study program (Note 10) systematically over a period of more than three years, the standard completion period, in response to circumstances such as the student’s having a job (Note 9). Students to whom this system is applied are called “long-term students.”

The GSIS will engage in consultation in relation to this system at any point in time. Details of application methods will be contained in the documentation on continuing and transfer procedures that is sent out following the announcement of successful applicants.

Note 9: Students eligible for the long-term student system are: (i) full-time employees at companies, etc., or those who are self-employed; (ii) those needing time away for childbirth, childcare or nursing care, etc.; and (iii) other persons deemed eligible by the GSIS.

Note 10: The term of study cannot extend past six years. However, students can request that the permitted term of study be shortened. In principle, there will be no special curriculum set for long-term students.

8. Continuing and transfer-admission procedures

Information on continuing and transfer procedures and other details will be sent out together with the notification of acceptance.

9. Costs

(1) Continuing students

Tuition fee (Per Semester)	267,900 yen (subject to change)
(Annual fee: 535,800 yen)	(subject to change)

- (2) Transfer-admission students
- | | |
|----------------------------|---|
| Entrance fee | 282,000 yen (subject to change) |
| Tuition fee (Per Semester) | 267,900 yen (subject to change) |
| | (Annual fee: 535,800 yen) (subject to change) |

(For both (1) and (2))

Note 11: Tuition fees while enrolled at Tohoku University should be paid to the university through an automatic debit from a bank account held at a designated bank. The above fees are provisional, and where tuition fees are revised during your period of study, the new tuition fee will apply as of the time of revision.

Note 12: Information on exemptions from entrance and/or tuition fees or permission for delayed fee payment will be provided in the documentation on transfer continuing and transfer-admission procedures, etc., sent out after the announcement of examination results.

10. Notes

- (1) Application documents and the examination fee will not be returned.
 - (2) Anyone who files a false declaration in the application documents, the enrollment may be canceled even after admission.
 - (3) When submitting an application by mail, use the envelope designated by the GSIS and send it by express registered mail.
 - (4) If you have not received an examination admission card 10 days before the entrance examination date, please contact the GSIS Educational Affairs Section.
 - (5) Consultation is available for those applicants with special examination or study needs. Please contact the GSIS Educational Affairs Section in this regard by 17 June 2021.
 - (6) When requesting application documentation by mail, please enclose a self-addressed envelope (No. 2 size, or approximately 34 cm x 24cm) on which your name, address, postal code, and the type of application materials required (admission categories) are clearly written and with a 250 yen stamp (*) attached. If you require a brochure explaining details of the school's program, clearly write your request in red ink on a request envelope and enclose a self-addressed envelope (same size as above) with a 390 yen stamp (*) attached.
- * If you need more than one copy, or if you want it sent by express mail, please contact the GSIS Educational Affairs Section.
- (7) We will disclose the entrance exam results only to those who took the entrance exam of Graduate School of Information Sciences on 2021. If you wish, please inquire to the academic staff about procedures, etc. Applications will be accepted only if there is a request for disclosure (prescribed application form) from the applicant himself / herself.
 - (8) Handling of personal information
 - (i) Personal information gathered in the course of admission screening will be used solely for the purposes of conducting admission screening, admission procedures, providing support after admission (scholarships, tuition fee exemptions, health management, etc.), education (educational guidance, etc.), and administrative activities such as collecting tuition fees.
 - (ii) Personal information gathered in the course of admission screening will be handled strictly in compliance with "Law for the Protection of Personal Information Retained by Independent Administrative Institutions" and other laws and regulations, as well as "Act on the Protection of Personal Information of Tohoku University" and will not be disclosed or released to third parties without the consent of the person concerned.
 - (iii) It is deemed that those applying to Tohoku University Graduate School of Information Sciences have consented to the above provisions.
 - (9) In accordance with the Foreign Exchange and Foreign Trade Act, Tohoku University has established the Rules for Security Export Control at National University Corporation Tohoku University and conducts screening when accepting international students.

June 2021

Educational Affairs Section,
 Graduate School of Information Sciences, Tohoku University
 6-3-09 Aramaki-Aza Aoba, Aoba-ku, Sendai, 980-8579, JAPAN
 Tel: 022-795-5814
 e-mail: is-kyom@grp.tohoku.ac.jp
<https://www.is.tohoku.ac.jp/>

Examination schedule and examination content for each subject group

October 2021

Three-Year Doctoral Program: Transfer-admission for international students

	Group 1 Mathematics
Written examinations *	<p>Specialized subjects 25 August 10:00-13:00</p> <p>Select three out of 9 questions on differential and integral calculus (1), linear algebra (1), applied mathematics (1), discrete mathematics (1), probability/statistics (1), complex analysis (1), differential equation (1), geometry (1), and algebra (1).</p> <p>The applicant must also write a short essay in English on a theme provided on the day of the examination.</p>
	<p>English</p> <p>Applicants must provide at the time of application their original TOEFL®Test or TOEIC®Test scoresheet from an examination taken no more than two years before the first day of the entrance examinations. The scoresheet is the Test Taker Score Report in the case of TOEFL®Test, and the Official Score Certificate in the case of TOEIC®Test. When submitting the TOEFL®Test Institutional Score Report, please ensure that your score report is sent directly from U.S. ETS and reach to the GSIS office by the final day of the application period. (For mailing, the GSIS's DI code is 2149.) Applicants whose native language is English should contact the GSIS Educational Affairs Section on an individual basis.</p>
Oral examination	<p>25 or 26 August: Applicants will be notified of the exact date and start time separately.</p> <p>Applicants must speak for approximately 20 minutes on the education they received at their former graduate school and their master's thesis (including theses under preparation). (PC projectors can be used.) On the day of the examination, bring five copies of materials related to your presentation (presentation outline, diagrams, etc.; A4 size).</p>

	Group 2 Information and Biosystems
Written examinations *	<p>Basic subjects 24 August 9:40-10:40 (Meeting time 9:00)</p> <p>Physics and informatics: Select two out of six questions on electromagnetics, electrical circuits, fundamentals of informatics 1, fundamentals of informatics 2, fundamentals of physics and fundamentals of mathematics.</p> <p>Medicine and biology: Select two out of five questions on fundamentals of molecular biology, fundamentals of general physiology, fundamentals of neuroendocrinology, fundamentals of pathophysiology and fundamentals of health science.</p>
	<p>English</p> <p>Applicants must provide at the time of application their original TOEFL®Test or TOEIC®Test scoresheet from an examination taken no more than two years before the first day of the entrance examinations. The scoresheet is the Test Taker Score Report in the case of TOEFL®Test, and the Official Score Certificate in the case of TOEIC®Test. TOEFL iBT Home Edition score sheets are also accepted. When submitting the TOEFL®Test Institutional Score Report, please ensure that your score report is sent directly from U.S. ETS and reach to the GSIS office by the final day of the application period. (For mailing, the GSIS's DI code is 2149.) Applicants whose native language is English should contact the GSIS Educational Affairs Section on an individual basis.</p>
	<p>Note: Please enter the subjects in which you wish to be examined (physics and informatics or medicine and biology) along with the subject group (Information and Biosystems) in the application form. Please refer to the relevant departments in regard to the scope of the various subjects, or check on the website at this address: http://www.ecei.tohoku.ac.jp/ecei_web/admission/</p>
Oral examination	<p>25 or 26 August</p> <p>Applicants will be notified of the exact date and start time separately.</p> <p>Applicants must speak for approximately 20 minutes on the education they received at their former graduate school or their master's thesis (including theses under production). On the day of the examination, bring five copies of materials related to your presentation (A4 size).</p>

Three-Year Doctoral Program: Transfer-admission for international students

	Group 3 Machine and Intelligence
Written examinations *	<p>English</p> <p>Applicants must provide at the time of application their original TOEFL®Test or TOEIC®Test scoresheet from an examination taken no more than two years before the first day of the entrance examinations. The scoresheet is the Test Taker Score Report in the case of TOEFL®Test, and the Official Score Certificate in the case of TOEIC®Test. TOEFL iBT Home Edition score sheets are also accepted. When submitting the TOEFL®Test Institutional Score Report, please ensure that your score report is sent directly from U.S. ETS and reach to the GSIS office by the final day of the application period. (For mailing, the GSIS’s DI code is 2149.) Applicants whose native language is English should contact the GSIS Educational Affairs Section on an individual basis. With the exception of applicants whose native language is English, if an applicant cannot provide an original score report from the TOEIC public test, the application request will not be accepted. (However, if the applicant is submitting a scoresheet of the TOEIC public test, it can be accepted after the application period. In such a case, unless the original scoresheet is submitted by the deadline, the applicant will be classified as having “failed.”)</p>
	<p>Mathematics A 24 August 9:30-10:30 (Meeting time 8:50)</p> <p>Differential and integral calculus, linear algebra, vector analysis</p>
	<p>Mathematics B 24 August 13:00-14:00</p> <p>Ordinary differential equations, Partial differential equations, Fourier series and transform, Laplace transform</p>
	<p>Specialized subjects 24 August 15:45-16:45</p> <p>Select two from the following five subjects: thermodynamics, fluid mechanics, material dynamics, mechanical dynamics and control engineering</p>
	<p>Note: 25 August will be used in case of extraordinary circumstances, so leave your schedule open.</p>
Oral examination	<p>26 August</p> <p>Applicants will be notified of the meeting time separately.</p> <p>According to the result of the written examination, you may be exempted from the oral examination. Applicants must speak for approximately 20 minutes on the education they received at their former graduate school or their master’s thesis (including theses under production). (PC projectors can be used.) On the day of the examination, bring 13 copies of materials related to your presentation (presentation outline, diagrams, etc.; A4 size).</p>

	Group 4 Civil Engineering
Oral examination	<p>24 or 25 August: Applicants will be notified of the exact date and start time separately.</p> <p>Applicants must speak for approximately 15 minutes on the education they received at their former graduate school and their master’s thesis (including theses under production). (PC projectors can be used. If you wish to use a PC projector, please contact the Educational Affairs Section beforehand.) Applicants will be asked questions on their presentation, motivation and drive, and research goals after admission. On the day of the examination, bring eight copies of materials related to your presentation (presentation outline, blueprints, etc.; A4 size).</p>
Written examinations *	<p>English</p> <p>Applicants must provide at the time of application their original TOEFL®Test or TOEIC®Test scoresheet from an examination taken no more than two years before the first day of the entrance examinations. The scoresheet is the Test Taker Score Report in the case of TOEFL®Test, and the Official Score Certificate in the case of TOEIC®Test. When submitting the TOEFL®Test Institutional Score Report, please ensure that your score report is sent directly from U.S. ETS and reach to the GSIS office by the final day of the application period. (For mailing, the GSIS’s DI code is 2149.)</p>
	<p>Specialized subjects 24 August 13:00-15:00</p> <p>Written examination will be taken on subjects in relation to applicants’ specialized fields.</p>
	<p>Notes</p> <p>(1)Regarding specialized subjects, select 3 questions from 4 questions.</p> <p>(2)Please consult your academic advisor about the examination content of specialized subjects.</p>

Three-Year Doctoral Program: Transfer-admission for international students

	Group 5 Languages and Media
Written examinations *	<p>English</p> <p>Applicants must provide at the time of application their original TOEFL®Test or TOEIC®Test scoresheet from an examination taken no more than two years before the first day of the entrance examinations. The scoresheet is the Test Taker Score Report in the case of TOEFL®Test, and the Official Score Certificate in the case of TOEIC®Test. When submitting the TOEFL®Test Institutional Score Report, please ensure that your score report is sent directly from U.S. ETS and reach to the GSIS office by the final day of the application period. (For mailing, the GSIS's DI code is 2149.) Applicants whose native language is English should contact the GSIS Educational Affairs Section on an individual basis.</p>
	<p>Specialized subjects 25 August 10:00-13:00</p> <p>Choose one of the following fields of study: Linguistics or Media Studies</p> <p>[Linguistics]</p> <p>Answer two questions from the following areas: morphosyntax, semantics, historical linguistics, sociolinguistics, or psycholinguistics.</p> <p>[Media studies]</p> <p>Answer two questions from the following areas: literary theory, media studies, cultural studies, educational technology, or information literacy.</p>
Oral examination	<p>25 or 26 August</p> <p>Applicants will be notified of the exact date and start time separately.</p> <p>Applicants must speak for approximately 20 minutes on the education they received at their former graduate school and their master's thesis (including theses under production). (PC projectors can be used.) On the day of the examination, bring five copies of materials related to your presentation (presentation outline, diagrams, etc.; A4 size). International students from Tohoku University do not need to give a presentation, but they will be asked about their master's thesis (including those under production) and their research goals following transfer, etc.</p>

	Group 6 Psychology and Philosophy
Written examinations *	<p>English</p> <p>Applicants must provide at the time of application their original TOEFL®Test or TOEIC®Test scoresheet from an examination taken no more than two years before the first day of the entrance examinations. The scoresheet is the Test Taker Score Report in the case of TOEFL®Test, and the Official Score Certificate in the case of TOEIC®Test. When submitting the TOEFL®Test Institutional Score Report, please ensure that your score report is sent directly from U.S. ETS and reach to the GSIS office by the final day of the application period. (For mailing, the GSIS's DI code is 2149.) Applicants whose native language is English should contact the GSIS Educational Affairs Section on an individual basis.</p>
	<p>Specialized subjects 25 August 10:00-13:00</p> <p>Select two out of 12 questions from these areas: psychology (sensation and perception, cognition, learning and memory, personality, psychometrics) and philosophy (history of philosophy).</p> <p>Applicants for either psychology (cognitive psychology, human learning and memory, cognitive psychology of communication) or philosophy (philosophy of human information, philosophy of logical analysis) should ensure that they answer questions from the area designated in the book for questions respectively.</p> <p>If you wish to be assigned to either of the following labs (cognitive informatics, human learning and memory, cognitive psychology or communication psychology), you will be required to produce a short essay (topic to be indicated at the examination venue).</p>
Oral examination	<p>26 August 10:00-</p> <p>Applicants must speak for approximately 20 minutes on the education they received at their former graduate school and their master's thesis (including theses under production). (PC projectors can be used.) On the day of the examination, bring five copies of materials related to your presentation (presentation outline, diagrams, etc.; A4 size). International students from Tohoku University do not need to give a presentation, but they will be asked about their master's thesis (including those under production) and their research goals following transfer, etc.</p>

Three-Year Doctoral Program: Transfer-admission for international students

	Group 7 Social Sciences
Written examinations *	<p>English</p> <p>Applicants must provide at the time of application their original TOEFL®Test or TOEIC®Test scoresheet from an examination taken principally no more than two years before the first day of the entrance examinations. The scoresheet is the Test Taker Score Report in the case of TOEFL®Test, and the Official Score Certificate in the case of TOEIC®Test. When submitting the TOEFL®Test Institutional Score Report, please ensure that your score report is sent directly from U.S. ETS and reach to the GSIS office by the final day of the application period. (For mailing, the GSIS’s DI code is 2149.)</p> <p>Students whose native language is English should contact the GSIS Educational Affairs Section by the last day of the application period.</p>
	<p>Specialized subjects 25 August 10:00-13:00</p> <p>Select one of the following categories.</p> <p>Sociology : select three out of five questions from the following areas: the history of sociology, contemporary society, sociology of local community, civil society and social research methods</p> <p>Politics : select three out of five questions from the following areas: political consciousness, modern political thought, public administration, political processes, political systems and comparative politics</p> <p>Economics : select three out of five questions from the following areas: microeconomics, macroeconomics, urban economics, regional economics, statistics, econometrics and mathematics for economics</p> <p>Questions may be answered in English. Where necessary, the examiner will supply calculators.</p> <p>* State the name of the categories (sociology, politics, or economics) in the application, along with the name of the specific subject (Social Sciences). No change in category will be allowed after the application has been submitted</p>
Oral examination	<p>25 or 26 August Applicants will be notified of the exact date and start time separately.</p> <p>Applicants must speak for approximately 20 minutes on the education they received at their former graduate school and their graduation thesis (including theses under production). (PC projectors can be used.) The examiners will ask questions for approximately 10 minutes. On the day of the examination, bring five copies of materials related to your presentation (presentation outline, diagrams, etc.; A4 size). Presentations can be given in English.</p>

* In each of the subject groups, applicants may be exempted from the written examinations according to the content of their academic transcripts.

A TOEFL®Test or TOEIC®Test scoresheet must still be provided at the time of application.

Three-Year Doctoral Program: Transfer-admission for mature students

	Group 1 Mathematics
Short essay	25 August 10:00-11:30 Includes questions testing your understanding of basic mathematical concepts and terminology.
Oral examination	25 or 26 August: Applicants will be notified of the exact date and start time separately. Applicants must speak for approximately 20 minutes on their main area of mathematical research either at their workplace or on a personal basis. (PC projectors can be used.) On the day of the examination, bring five copies of materials related to your presentation (presentation outline, diagrams, etc.; A4 size).

	Group 2 Information and Biosystems
Oral examination	25 or 26 August Applicants will be notified as to the exact date and start time separately. Applicants must speak for approximately 20 minutes on their research (work) to date and their research goals following admission, etc. On the day of the examination, bring five copies of materials related to your presentation (presentation outline, diagrams, etc.; A4 size).

	Group 3 Machine and Intelligence
Oral assessment	26 August Applicants will be notified of the meeting time separately. The oral assessment will be conducted on mathematics and specialized subjects. The time is about 20 minutes. The range of questions is the same as the written examination in other admission category. The question range for Math is Math A (Differential and integral calculus, linear algebra, vector analysis) and Math B (Ordinary differential equations, Partial differential equations, Fourier series and transform, Laplace transform). Applicants choose two subjects from five specialized subjects in advance and are questioned on them.
Oral examination	26 August Applicants will be notified of the meeting time separately. Only those who have passed the written examination or who were exempt from that examination will be eligible for the oral examination. Applicants must speak for approximately 15 minutes on their research to date and their research goals after admission. (PC projectors can be used.) Bring 13 copies of materials related to your presentation (presentation outline, diagrams, etc.; A4 size). Your English ability may also be subject to evaluation. Note: Some applicants may be exempted from the oral assessment as a result of prior screening of their documentation. For details, please contact Machine and Intelligence educational affairs section. Contact point: Machine and Intelligence educational affairs officer Tel: 022-795-7030

	Group 4 Civil Engineering
Short essay	24 August 9:30-11:00 A theme on civil engineering
Oral examination	24 or 25 August: Applicants will be notified of the exact date and start time separately. Applicants must speak for approximately 15 minutes on their research or work at their workplace. (PC projectors can be used. If you wish to use a PC projector, please contact the Educational Affairs Section beforehand.) On the day of the examination, bring eight copies of materials related to your presentation (presentation outline, diagrams, etc.; A4 size).

October 2021

Three-Year Doctoral Program: Transfer-admission for mature students

	Group 5 Languages and Media
Short essay	25 August 10:00-11:30 The applicant must answer the essay question given on the day of the examination.
Oral examination	25 or 26 August: Applicants will be notified of the exact date and start time separately. Applicants must speak for approximately 20 minutes on their research or work at their workplace, and their research plans after admission. (PC projectors can be used.) On the day of the examination, bring five copies of materials related to your presentation (presentation outline, diagrams, etc.; A4 size).

	Group 6 Psychology and Philosophy
Short essay	25 August 10:00-11:30 Theme to be indicated on the day of the examination.
Oral examination	26 August 10:00- Applicants must speak for approximately 20 minutes on their research or work at their workplace and their research plans after admission. (PC projectors can be used.) On the day of the examination, bring five copies of materials related to your presentation (presentation outline, diagrams, etc.; A4 size).

	Group 7 Social Sciences
Short essay	25 August 10:00-13:00 Select one of the themes indicated at the time of the examination and produce a short essay. Themes will relate to proposed research areas across sociology, politics and economics.
Oral examination	25 or 26 August Applicants will be notified of the exact date and start time separately. Applicants will be notified of the time of the examination separately. Applicants must speak for approximately 20 minutes on their research or work at their workplace. (PC projectors can be used.) The examiners will ask questions for around 10 minutes. On the day of the examination, bring five copies of materials related to your presentation (presentation outline, diagrams, etc.; A4 size).

List of laboratories (areas) within Tohoku University Graduate School of Information Sciences 2022

* For details on the research, etc., at these laboratories (areas), please see the GSIS's website at:

<https://www.is.tohoku.ac.jp/en/laboratory/>

Group code	Group	Division	Laboratory (Area)	Lab. code	Staff	Department
1	Mathematics	Mathematical Structures	Mathematical Structures I	A01-1	Prof. Akihiro MUNEMASA	Computer and Mathematical Sciences
				A01-2	Assoc. Prof. Hiroki SHIMAKURA	
			Mathematical Structures II	A02-1	Prof. Toshiyuki SUGAWA	
				A02-2	Assoc. Prof. Hajime TANAKA	
			Mathematical Structures III	A03	Prof. Hitoshi MURAKAMI**	
		Mathematical Structures IV	A04	Prof. Hiromi SENO		
		Mathematical System Analysis	Mathematical System Analysis I	B01-1	Prof. Masaaki HARADA	System Information Sciences
				B01-2	Assoc. Prof. Kei FUNANO	
			Mathematical System Analysis II	B02-1	Prof. Nobuaki OBATA*	
				B02-2	Assoc. Prof. Reika FUKUIZUMI	
Mathematical System Analysis III	B03		(Currently vacant)			
2	Information and Biosystems	Applied Mathematical Science	Mathematical Informatics	A05	Prof. Masayuki OHZEKI	Computer and Mathematical Sciences
		Computation Science and Systems	Computation Science and Systems Computation Theory	A07	(Currently vacant)	
				A08	Prof. Takafumi AOKI Assoc. Prof. Koichi ITO	
			Intelligent Integrated Systems	A09	Prof. Masanori HARIYAMA Assoc. Prof. Hasitha Muthumala WAIDYASOORIYA	
		Software Science and Systems	Firmware Science	A10	(Currently vacant)	
			Foundations of Software Science	A11	Prof. Eijiro SUMII Assoc. Prof. Kazutaka MATSUDA	
		Logic for Information Science	Logic for Information Science	A13	Prof. Keisuke NAKANO	
		Communication Theory	Communication Theory	A14	Prof. Go HASEGAWA Assoc. Prof. Gen KITAGATA	
		Information Security	Information Security	A16	Prof. Hiroki SHIZUYA* Assoc. Prof. Masao SAKAI Assoc. Prof. Shuji ISOBE	

Information and Biosystems	Environmental Informatics	Environmental Informatics	A17	(Currently vacant)	System Information Sciences
	Fundamental Data Informatics	Fundamental Data Informatics	A18	Prof. Yoshinori HAYAKAWA Assoc. Prof. Takashi MITSUISHI	
	Intelligent Information Science	Algorithm Theory	B04	Prof. Xiao. ZHOU Assoc. Prof. Akira SUZUKI	
		Intelligent Systems Science	B05	Prof. Ayumi SHINOHARA Assoc. Prof. Ryo YOSHINAKA	
		Natural Language Processing	B06	Prof. Kentaro INUI	
	Biosystem Information Sciences	Information Biology	B07	(Currently vacant)	
		Design and Analysis of Information Systems	B08	Prof. Takehiro ITO Assoc. Prof. Jinhee CHUN	
	Acoustic Information	Acoustic Information	B11	Prof. Shuichi SAKAMOTO	
	Visual Cognition and Systems	Visual Cognition and Systems	B12	Prof. Satoshi SHIOIRI Assoc. Prof. Chia-Huei Tseng	
	Information Contents	Information Contents	B13	Prof. Yoshifumi KITAMURA Assoc. Prof. Kazuki TAKASHIMA	
	Software Construction	Software Construction	B15	Assoc. Prof. Katsuhiko UENO	
	Fundamental Artificial Intelligence	Fundamental Artificial Intelligence	B16	Prof. Jun SUZUKI	
	Information and Applied Technology	Physical Fluctuodynamics	D01	Prof. Kazuyuki TANAKA	Applied Information Sciences
		Information Technology	D02	Prof. Nei KATO Assoc. Prof. Yuichi KAWAMOTO	
	Applied Informatics for Human and Life Sciences	Systems Bioinformatics	D04	Prof. Kengo KINOSHITA Assoc. Prof. Takeshi OOBAYASHI Assoc. Prof. Hafumi NISHI Assoc. Prof. Kazunori YAMADA	
		Biomodeling	D05	(Currently vacant)	
	Applied Intelligence Software	Applied Intelligence Software	D07	Assoc. Prof. Toru ABE	
	Information Network Systems	Information Network Systems	D08-1	Prof. Takuo SUGANUMA Assoc. Prof. Takaaki MIZUKI	
			D08-2	Assoc. Prof. Hideaki GOTO	

		Brain Function Integration	Brain Function Integration	D10	Prof. Yoshihiko HORIO	
		Health Informatics	Health Informatics	D11	Prof. Yoshitaka KINOCHI Prof. Chihiro ITO Assoc. Prof. Susumu OGAWA Assoc. Prof. Kimio SATO	
		Statistical Science for Complex systems	Statistical Science for Complex systems	D12	Prof. Atsushi YOSHIMOTO Assoc. Prof. Fumikazu MIWAKEICHI Assoc. Prof. Shinsuke KOYAMA	
3	Machine and Intelligence	Applied Mathematical Science	Mathematical Modeling and Computation	A06-1	Prof. Satoru YAMAMOTO	Computer and Mathematical Sciences
				A06-2	Assoc. Prof. Takashi FURUSAWA	
		Software Science and Systems	Computer Architecture	A12-1	Prof. Hiroaki KOBAYASHI	
				A12-2	Assoc. Prof. Masayuki SATO	
		High Performance Computing	High Performance Computing	A15-1	Prof. Hiroyuki TAKIZAWA	
				A15-2	(Currently vacant)	
		Advanced Computing Systems	Advanced Computing Systems	A19-1	Prof. Kentaro SANO	
				A19-2	Prof. Mitsuhsa SATO	
		Intelligent Robotics	Image Analysis	B09	Prof. Takayuki OKATANI	
	Intelligent Control Systems		B10-1	Prof. Koichi HASHIMOTO		
			B10-2	Assoc. Prof. Shingo KAGAMI		
	Integrated Fluid Informatics	Integrated Fluid Informatics	B14	Prof. Jun ISHIMOTO		
	Information and Applied Technology	Human-Robot Informatics	D03-1	Prof. Satoshi TADOKORO	Applied Information Sciences	
D03-2			Assoc. Prof. Masashi KONYO			
D03-3			Assoc. Prof. Kenjiro TADAKUMA			
Flow System Informatics	Flow System Informatics	D09-1	Prof. Yuji HATTORI			
		D09-2	Assoc. Prof. Makoto HIROTA			
4	Civil Engineering	Infrastructure Planning	Transportation and Geographic Information Science	C11-1	Prof. Takamasa IRYO	Human-Social Information Sciences
				C11-2	Assoc. Prof. Ryo INOUE	
		Regional and Urban Planning	C12-1	Prof. Tatsuhiro KONO		
			C12-2	Assoc. Prof. Junya FUKUMOTO		
		Road Transportation and Traffic	C13-1	Prof. Takashi AKAMATSU		
			C13-2	Assoc. Prof. Yusuke HARA		

5	Languages and Media	Human Information Science	Language and Information Science	C01	(Currently vacant)	Human-Social Information Sciences
			Verbal Text Analysis	C06	Prof. Yoshiki OGAWA	
		Media and Information Science	Media and Culture	C14	Assoc. Prof. Naoko MORITA Senior Assis. Prof. Kuniko SAKATA	
			Media and Information Literacy	C15	Prof. Tatsuya HORITA	
6	Psychology and Philosophy	Human Information Science	Human Learning and Memory	C02	(Currently vacant)	Human-Social Information Sciences
			Cognitive Psychology	C03	Prof. Kazumichi MATSUMIYA Assoc. Prof. Yuichi WADA	
			Philosophy of Human Information	C04	Prof. Ichiro MORI	
			Philosophy of Logical Analysis	C05	(Currently vacant)	
		Cognitive Psychology of Communication	Cognitive Psychology of Communication	C16	Prof. Toshiaki MURAMOTO	
		Applied Informatics for Human and Life Sciences	Cognitive Psychology	D06	Prof. Kazumichi MATSUMIYA	Applied Information Sciences
7	Social Sciences	Socio-Politico Information Science	Theory of Social Structure and Change	C07	Prof. Naohito TOKUGAWA Assoc. Prof. Aya OKADA	Human-Social Information Sciences
			Political Informatics	C08	Assoc. Prof. Kazunori KAWAMURA Assoc. Prof. Masaaki HIGASHIJIMA	
		Socio-Economic Information Science	Socio-Economic Analysis of Urban System	C09	Prof. Dao-Zhi ZENG Assoc. Prof. Ryo ITOH	
			Econometric System Analysis	C10	Assoc. Prof. Naoya FUJIWARA	

* Teaching staff due to retire in March, 2023.

** Teaching staff due to retire in March, 2024.