

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

Examination dates

Schedule I (Group 1, 5, 6, 7) : 30 January -31 January 2021

Schedule II (Group 2, 3, 4) : 1 March - 3 March 2021

November 2020

The Graduate School of Information Sciences (GSIS) consists of four departments: Computer and Mathematical Sciences, System Information Sciences, Human-Social Information Sciences and Applied Information Sciences.

GSIS aims not only to conduct cutting-edge education and research within these various academic disciplines, but also to advance wide-ranging interdisciplinary research. Students can therefore opt to engage in areas other than their original speciality. We welcome applications from ambitious individuals aspiring to create “Information Science” for the new era.’

Admission Policy

To foster individuals who can contribute to GSIS’s goal of creating “New Information Science,” we promote the acceptance of students who aim to further develop the fruits GSIS has reaped so far, students who aspire to actively pursue research across a range of disciplines, students hoping to broaden their research area, and overseas students and mature students from diverse backgrounds.

Assistance Program for Doctoral Students

As of FY2006, GSIS has been operating an assistance program for doctoral students with the aim of providing economic support and a suitable learning environment for graduate students with a high level of specialization.

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

1. Recruiting departments and selection category

Department	Number of students admitted	Additional Information
Computer and Mathematical Sciences	11	The figures shown in the left column (advancing (Note 1) / transferring students to be admitted) include the following quota; *transfer-admission selection for mature students (Note 2): 4 in each department *transfer-admission selection for overseas students, etc. (note 3): total of 7 in all the department.
System Information Sciences	11	
Human-Social Information Sciences	10	
Applied Information Sciences	10	
Total	42	

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

Note 2: The status of mature students is granted to those who have worked full time for more than 2 years in principle (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 “2. Applicants requirements” are subject to this selection (see pp.6-7).

Note 3: Those eligible to apply for transfer-admission selection for overseas students, etc. are current overseas students or the 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 to as “overseas students, etc.”).

Note 4: “Mature students are those that have experience as technically skilled workers, teachers, researchers, etc. in public office, educational institutions and private companies, in principle. An individual can be classified as a mature student even without such previous experience. For individual cases, contact the GSIS Educational Affairs Office.

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

2. Application requirements

- 1) Only those students who are expected to complete GSIS two-year program (master degree program) or a professional degree program in March 2021 may apply as advancing students.
- 2) In order to apply as a transfer student, applicants must satisfy one of the following prerequisites:
 - (1) Those persons who have a master’s degree or a professional degree (including those who are expected to be awarded such a degree by March 2021).
 - (2) Those persons who have acquired a degree equivalent to a master’s degree or a professional degree (including those who are expected to be awarded such a degree by March 2021) at a graduate school in another country.
 - (3) Those persons 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 March 2021).
 - (4) Those persons 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 March 2021).
 - (5) Those who have completed programs in United Nations University and who have been awarded a degree comparable to a Master’s (including those who are planning to finish the enrolled program by March 2021).
 - (6) A student 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 March 2021 will be given consideration.
 - (7) Those persons designated by the MEXT Minister (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 or research institutes, etc., and who are expected by GSIS on the basis of research results, etc., 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, while 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, etc., and who are expected by GSIS on the basis of research results, etc., to have attained a level of scholastic achievement equivalent to or greater than those with master's or professional degrees.
- (8) Other students who, on the basis of an individual screening, are deemed by 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 March 2021.

Note 6: As those wishing to apply under (7) or (8) above will be subject to prior documentation screening, they should consult beforehand with GSIS Educational Affairs Section and their prospective supervisor, submitting the documentation stipulated by GSIS by 8 December 2020.

3. Receipt of applications

Applications must be received between 4 - 8 January 2021. The reception is open from 9:00AM to 4.30PM (not including 12:00AM to 1:00PM). Mailed applications must reach us no later than 8 January 2021.

The mailing address:

Educational Affairs Office
 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. Advancement applicants do not need to pay an application fee.

1) GSIS students applying for advancement

No.	Documentation	Details
1	Advancement application form and CV	Use GSIS forms.
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, etc. are required) from 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 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, do not attach a stamp but instead write 'Within University' in red ink.
4	Envelope for submitting application	Use the envelope designated by GSIS.

Note 7: Where your current and proposed supervisors are different, please submit an academic transcript.

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

No.	Documentation	Details
1	Advancement/transfer application form and CV	Use GSIS forms.
2	Examination admission card and photo ID card	Use GSIS forms. (Attach to the photo ID card one photograph of yourself (head and shoulders, hatless) taken no more than three months prior to application.)
3	Certificate of	Certificate of (expected) completion issued by your university chancellor or faculty dean, certificate of (expected) master's degree issued by the National

	(expected) completion or certificate of (expected) degree conferral, etc.	Institution for Academic Degrees and Quality Enhancement of Higher Education (NIAD-QE), or certificate of (expected) completion issued by the head of the school you last attended. 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.
	Academic transcript (University (department), etc.)	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 ⁸	Required for applicants for general transfer-admission selection, applicants wishing to advance from other departments in Tohoku University and applicants for transfer-admission selection for overseas students, etc. 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 and TOEIC examinations must have been taken no more than two years before the first day of the entrance examinations.
6	Letter of accept	Written by your prospective supervisor (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 research results instead of master's thesis.
8	Application fee	30,000 yen (Use a postal money order*, leaving the recipient column blank.) Not required if an applicant falls under any of the following: <ul style="list-style-type: none"> • Applicant wishing to advance (applicant who has been enrolled in the Tohoku University two-year program (master degree program) or a professional degree program and is expected to graduate in March 2021. • Japanese government (MEXT) scholarships. • The admission fee waiver applicants affected by natural disasters.
9	Receipt and duplicate copy thereof	Use GSIS form, entering your name. Not required if an applicant falls under any of the following: <ul style="list-style-type: none"> • Applicant wishing to advance (applicant who has been enrolled in the Tohoku University two-year program (master degree program) or a professional degree program and is expected to graduate in March 2021. • Japanese government (MEXT) scholarships. • The admission fee waiver applicants affected by natural disasters.
10	Copy of Residence Record	Should be submitted by foreign applicants residing in Japan whose period of stay is over 90 days. (The residence record should be issued within 3 months and indicates residence status without Individual Number.)
11	Return envelope for examination card	Use the envelope designated by GSIS. (Clearly write name, address and postcode and attach a 384 yen stamp.)
12	Return envelope for official correspondence	Use the envelope designated by 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, do not attach a stamp but instead write "Within University" in red ink.
13	Envelope for submitting application	Use the envelope designated by GSIS.
14	Other	Those who wish to apply for Group 5 must submit Research plan. (A4 size around 2,000 characters.)

* Please request this at a postal saving banks or post office savings counter, adding in both the application fee and the handling fee.

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

Note8: 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.

Where a scoresheet is not submitted at the time of your application (by the final day of the application period), 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 scoresheet. (see p.9-p.10[Schedule I] and p.12-p.13[Schedule II])

- 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 selection, applicants wishing to advance from other departments in Tohoku University and applicants for transfer-admission selection for overseas students, etc.

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

In addition to the above documentation, applicants for transfer-admission selection for mature students and applicants for transfer-admission selection for overseas students, etc. should respectively submit the following.

[Applicants for transfer-admission selection for mature students]

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

[Applicants for transfer-admission selection for overseas students, etc.]

No.	Documentation	Details
1	Letter of recommendation	Written by your previous university supervisor or a person of the same position as the supervisor (no set format). Unnecessary for those who completed graduated school in Japan or for those who are expected to complete by March 2021.
2	Other	Submit papers, reports, etc., if any, that demonstrate scholastic ability.
3	Government scholarship certificate	Only overseas students on Japanese government (MEXT) scholarships at other universities (submit a Japanese government (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) from the head of your division.

5. Selection method

1) Advancing students from GSIS

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

2) General transfer-admission applicants, advancing students from other graduate schools of Tohoku University and applicants for transfer-admission selection for overseas students, etc.

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

Applicants should refer to "the list of laboratories" on pp.15-18 or GSIS website (<https://www.is.tohoku.ac.jp/en/laboratory/>) to select the laboratory (area) to which they wish to be assigned and sit 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.9-10(Schedule I) and pp.12-13(Schedule II).

Where the applicant is advancing 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	Computer and Mathematical Sciences
		B04, B05, B06, B07, B08, B11, B12, B13, B15	System Information Sciences
		D01, D02, D04, D05, D07-1, D07-2, D08, 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 methods can also be chosen.

Special method: In place of the above written and oral examinations, the applicant can produce a paper or 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 GSIS Educational Affairs Section and their prospective supervisor by 8 December, 2020.

(1) Schedule for screening examinations.

Examinations will be held by specialized subject group over 30 January - 31 January 2021(Schedule I) or 1 March - 3 March 2021 according to the schedule on pp.9-10(Schedule I) or pp.12-13(Schedule II).

(2) Place and time of examination

The details including the examination venue will be notified along with the examination admission card (to be sent). As for the time and the date of the examinations, refer to“Examination schedule and examination content for each specialized subject group.” (pp.9-10[Schedule I] or pp.12-13[Schedule II])

3) Mature students

Those applying for admission as mature students should in principle have been employed for two or more years as technicians, teachers or researchers in public office, 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 this selection. 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, advancing their creative abilities.

Screening will entail in principle 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.11(Schedule I) or pp.14(Schedule II). Examination venues will be the same as for (2) General transfer-admission applicants, advancing students from other graduate schools of Tohoku University and applicants for transfer-admission selection for overseas students, etc. noted above.

6. Announcement of successful applicants

The examination code numbers of successful applicants will be listed on GSIS website around 5 p.m. on 5 February 2021(Schedule I) or 5 March 2021(Schedule II) (<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

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."

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 advancement 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 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. Advancement and transfer-admission procedures

Instructions concerning the procedures and paperwork for entering the program will be sent along with the admission notification, sometime around the mid of March 2021.

9. Costs

(1) Advancing students

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

(2) Transfer 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 advancement or transfer-admission procedures, etc., sent out after the announcement of the examination results.

10. Notes

(1) After the application is filed, it cannot be withdrawn or the contents of the application documents changed. Application documents and the examination fee will not be returned.

(2) Anyone who files a false declaration in the application documents, the admission may be canceled even after admission.

(3) When submitting an application by mail, use the official application envelope and send it by express registered mail.

(4) If you have not received an examination admission card by 10 days before the entrance examination, please contact GSIS Educational Affairs Section.

- (5) Consultation is available for those applicants with examination or study needs. Please contact GSIS Educational Affairs Section in this regard by 8 December 2020.
- (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 and postal code are clearly written and 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.
- (7) We will disclose the entrance exam results to those who took the entrance exam of Tohoku University Graduate School of Information Science. 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 "the Act on the Protection of Personal Information Held by Independent Administrative Agencies, etc." and other laws and regulations, as well as "Tohoku University Regulations on the Protection of Personal Information," 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.

November 2020

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

Examination schedule and examination content for each subject group

【Schedule I】 30 January - 31 January 2021

【Schedule I】

April 2021

Three-Year Doctoral Program: Transfer-admission selection for overseas students, etc.

Group 1 Mathematics	
Oral examination	<p>30 January Applicants will be notified of the exact start time separately.</p> <p>Applicants must speak for approximately 20 minutes on the education they received at their former graduation school and their master's thesis (including theses under production). (PC projectors can be used.)</p> <p>An examination will confirm the applicant's basic academic skills required for the research field in which he or she wishes to enroll, and understanding of related matters.</p> <p>Bring copies of a summary of the presentation, five in English, printed on A4 size paper. In addition, bring five copies of a summary of what you plan to study, printed A4 size in Japanese or English.</p>

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 GSIS office by the final day of the application period. (For mailing, GSIS's DI code is 2149.) Applicants whose native language is English should contact GSIS on an individual basis.</p>
Oral examination	<p>30 or 31 January Applicants will be notified as to the exact date and start time separately.</p> <p>Applicants must speak for approximately 30 minutes on the education they received at their former graduate school and their master's thesis (including theses under production) and their desired future research after the entrance. (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 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 GSIS office by the final day of the application period. (For mailing, GSIS's DI code is 2149.) Applicants whose native language is English should contact GSIS on an individual basis.</p>
	<p>Specialized subjects 30 January 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). 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, memory or cognitive psychology and communication psychology), you will be required to produce a short essay (topic to be indicated at the examination venue).</p>
Oral examination	<p>30 or 31 January Applicants will be notified as to 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). Overseas 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>

【Schedule I】

April 2021

Three-Year Doctoral Program: Transfer-admission selection for overseas students, etc.

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 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 GSIS office by the final day of the application period. (For mailing, GSIS’s DI code is 2149.)</p>
	<p>Specialized subjects 30 January 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, public administration, political processes, statistics and social research methods.</p> <p>Economics: Select three out of five questions from the following areas: microeconomics, macroeconomics, urban and regional economics, statistics and mathematics for economics.</p> <p>Questions may be answered in English. As 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>30 or 31 January Applicants will be notified as to the exact date and start time separately.</p> <p>Applicants must speak for approximately 20 minutes on the education they received at their former university and their master’s 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 or TOEIC scoresheet must still be provided at the time of application for subject groups 5, 6 and 7.

【Schedule I】

April 2021

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

Group 1 Mathematics	
Oral examination	<p>30 January Applicants will be notified of the exact start time separately.</p> <p>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.)</p> <p>An examination will confirm the applicant's basic academic skills required for the research field in which he or she wishes to enroll, and understanding of related matters.</p> <p>Bring copies of a summary of the presentation, five in Japanese and five in English, printed on A4 size paper. In addition, bring five copies of a summary of what you plan to study, printed A4 size in Japanese.</p> <p>If the applicant is non-Japanese, he or she may submit both summaries in English only.</p>

Group 5 Languages and Media	
Oral examination	<p>30 or 31 January Applicants will be notified as to the exact date and start time separately.</p> <p>Applicants will be notified as to the time of the examination separately.</p> <p>Applicants must speak for approximately 30 minutes on their research or work at their workplace and future research project. (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 6 Psychology and Philosophy	
Short essay	<p>30 January 10:00-11:30</p> <p>Theme to be indicated on the day of the examination.</p>
Oral examination	<p>30 or 31 January Applicants will be notified as to the exact date and start time separately.</p> <p>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).</p>

Group 7 Social Sciences	
Short essay	<p>30 January 10:00-13:00</p> <p>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.</p>
Oral examination	<p>30 or 31 January Applicants will be notified as to the exact date and start time separately.</p> <p>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).</p>

Examination schedule and examination content for each subject group

【Schedule II】 1 March - 3 March 2021

【Schedule II】

April 2021

Three-Year Doctoral Program: Transfer-admission selection for overseas students, etc.

Group 2 Information and Biosystems	
Written examinations *	<p>Basic subjects 1 March 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 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 GSIS office by the final day of the application period. (For mailing, GSIS's DI code is 2149.) Applicants whose native language is English should contact GSIS 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 each subject, or check on the website at this address: http://www.ecei.tohoku.ac.jp/ecei_web/admission/</p>
Oral examination	<p>2 or 3 March</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).</p>

【Schedule II】

April 2021

Three-Year Doctoral Program: Transfer-admission selection for overseas students, etc.

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. Also accept TOEFL iBT Home Edition score. When submitting the TOEFL®Test Institutional Score Report, please ensure that your score report is sent directly from U.S. ETS and reach to GSIS office by the final day of the application period. (For mailing, GSIS's DI code is 2149.) Applicants whose native language is English should contact GSIS 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>If the Test Date score on the score sheet does not meet the criteria (TOEFL PBT 550 points, TOEFL iBT 79 points or TOEIC 730 points) it will be considered as "failed".</p>
	<p>Mathematics A 1 March 9:30-10:30 (Meeting time 9:00)</p> <p>Differential and integral calculus, Linear algebra, Vector analysis</p>
	<p>Mathematics B 1 March 13:00-14:00</p> <p>Ordinary differential equations, Partial differential equations, Fourier series and transform, Laplace transform</p>
	<p>Specialized subjects 1 March 15:30-16:30</p> <p>(Select two out of the following five subjects. Applicants are required to give prior notice of the subjects they have chosen.) Thermodynamics, fluid mechanics, material dynamics, mechanical dynamics and control engineering.</p>
	<p>Notes</p> <p>Since there is a high possibility that the test will be conducted online, please secure an internet environment and a smartphone (or scanner) with a camera function.</p> <p>We will inform you of the online test or the field test when the admission ticket is sent (early February).</p>
Oral examination	<p>3 March</p> <p>Applicants will be notified of the meeting time separately.</p> <p>Applicants must speak for approximately 20 minutes on the education they received at their former university 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>1 or 2 March</p> <p>Applicants will be notified as to the exact date and start time separately.</p> <p>Applicants must speak for no more than 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, drive and motivation, 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 GSIS office by the final day of the application period. (For mailing, GSIS's DI code is 2149.)</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 or TOEIC scoresheet must still be provided at the time of application for subject groups 2, 3 and 4.

【Schedule II】

April 2021

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

Group 2 Information and Biosystems	
Oral examination	2 or 3 March 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	
Written examinations *	Choose two out of 7 subjects from Mathematics A, Mathematics B and specialized subjects. (Notify GSIS of these in advance.) The time at which the written examination finishes for specialized subjects will vary according to the subject chosen.
	Mathematics A 1 March 9:30-10:30 (Meeting time 9:00) Differential and integral calculus, Linear algebra, Vector analysis
	Mathematics B 1 March 13:00-14:00 Ordinary differential equations, Partial differential equations, Fourier series and transform, Laplace transform
	Specialized subjects 1 March 15:30-16:30 Thermodynamics, fluid mechanics, material dynamics, mechanical dynamics and control engineering.
	Notes Since there is a high possibility that the test will be conducted online, please secure an internet environment and a smartphone (or scanner) with a camera function. We will inform you of the online test or the field test when the admission ticket is sent (early February).
Oral examination	3 March Applicants will be notified of the meeting time separately. Applicants must speak for approximately 15 minutes on their research to date and their research goals after admission. (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). Your English ability may also be subject to evaluation.

Group 4 Civil Engineering	
Short essay	1 March 9:30-11:00 A theme on civil engineering
Oral examination	1 March 13:00- Applicants must speak for no more than 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).

List of laboratories (areas) within Tohoku University Graduate School of Information Sciences 2021

* For details on the research, etc., at these laboratories (areas), please see 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	Prof. Shigeru SAKAGUCHI*				
2	Information and Biosystems	Applied Mathematical Science	Mathematical Infomatics	A05	(Currently vacant)	Computer and Mathematical Sciences
		Computation Science and Systems	Computation Science and Systems Computation Theory	A07	(Currently vacant)	
				Computer Structures	A08	
			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	
		Environmental Informatics	Environmental Informatics	A17	(Currently vacant)	

2	Information and Biosystems	Intelligent Information Science	Algorithm Theory	B04	Prof. Xiao. ZHOU Assoc. Prof. Akira SUZUKI	System Information Sciences	
			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. Ichiro KURIKI Assoc. Prof. Chia-Huei Tseng		
		Information Contents	Information Contents	B13	Prof. Yoshifumi KITAMURA Assoc. Prof. Kazuki TAKASHIMA		
		Software Construction	Software Construction	B15	Prof. Atsushi OHORI* Assoc. Prof. Katsuhiko UENO		
		Information and Applied Technology	Physical Fluctuomatics	D01	Prof. Kazuyuki TANAKA Assoc. Prof. Masayuki OHZEKI		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	Prof. Mitsuyuki NAKAO* Assoc. Prof. Norihiro KATAYAMA		
		Applied Intelligence Software	Applied Intelligence Software	D07-1	Prof. Takuo SUGANUMA Assoc. Prof. Toru ABE		
				D07-2	Assoc. Prof. Hideaki GOTO		
	Information Network Systems	Information Network Systems	D08	Assoc. Prof. Takaaki MIZUKI			
	Brain Function Integration	Brain Function Integration	D10	Prof. Yoshihiko HORIO			

2	Information and Biosystems	Health Informatics	Health Informatics	D11	Prof. Yoshitaka KINOUCHI Prof. Chihiro ITO Assoc. Prof. Susumu OGAWA Assoc. Prof. Kimio SATO	Applied Information Sciences
		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	System Information Sciences
			Intelligent Control Systems	B10-1	Prof. Koichi HASHIMOTO	
				B10-2	Assoc. Prof. Shingo KAGAMI	
		Integrated Fluid Informatics	Integrated Fluid Informatics	B14	Assoc. 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	Road Transportation and Traffic	C12-1	Prof. Tatsuhito KONO	
				C12-2	Assoc. Prof. Junya FUKUMOTO	
		Road Transportation and Traffic	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	Assoc. Prof. Akira KIKUCHI*	Human-Social Information Sciences
			Verbal Text Analysis	C06	Prof. Yoshiki OGAWA	
		Media and Information Science	Media and Culture	C14	Prof. Tatsuya HORITA Senior Assis. Prof. Kuniko SAKATA	
			Media and Semiotics	C15	Assoc. Prof. Naoko MORITA	
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-Political 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, 2022.

** Teaching staff due to retire in March, 2023.