

**Tohoku University**  
**Graduate School of Information Sciences**  
**2019 Two-Year Master's Program Admission Guidelines**  
**(April 2019 Admissions)**

Examination dates

Schedule I (Group 1, 5, 6, 7) : 2 February -3 February 2019

Schedule II (Group 2, 3, 4) : 4 March - 6 March 2019

November 2018

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 to be admitted			
	General selection (Note 1)	Early graduate student selection (Note 2)	Mature student selection (Note 3)	Selection for overseas students, etc. (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: As for applications to laboratories (areas) whose laboratory codes (listed on pp.6-7) are in parentheses, either one of the following two sets of qualifications is required.**

- Applicants satisfying qualification in “2. Applicants requirements (9) and (10)”.
- Applicants satisfying one of the qualifications in “2. Applicants requirements (1) to (8)” and intending to choose Method (1), (2), or (3) described in “5. Selection method 1.” (See p.6)

Note 2: In order to apply as an early graduate student, prospective students must be those using the early graduation program (permitting them to graduate after at least three but less than four years of university attendance) and meeting “2. Applicants requirements (1)”.

Note 3: The status of mature students is granted to those who have worked full time for more than 2 years (see Note 5 below) as well as to those who meet one of the qualifications described in “2. Application requirements”. (See p.7)

Note 4: Those eligible for taking the entrance exam as overseas students are current overseas students or 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 5: “Mature students” are those who 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 GSIS Educational Affairs Office.

## 2. Application requirements

In order to apply as applicants, prospective students must satisfy one of the following prerequisites:

- (1) University graduates (including those who are expected to graduate by March 2019).
- (2) Those persons who have been awarded a bachelor’s degree under the provisions of National Institution for Academic Degrees and University Education (including those who are expected to be awarded this degree by March 2019).
- (3) Those persons who have completed 16 years of education in a foreign country (including those who are expected to have completed this by March 2019).
- (4) Those persons who have completed a curriculum equivalent to 16 years of school education in a foreign country by finishing in Japan a correspondence course operated by a school in that country (including those who are expected to complete this by March 2019).
- (5) Those persons who have completed a university program in an educational institution in Japan, which is (i) recognized under the education system of a foreign country as operating a university program (graduates must be recognized as equivalent to those completing 16 years of education in that country) and (ii) otherwise designated by the Minister of Education, Culture, Sports, Science, and Technology (MEXT Minister) of Japan (including those who are expected to complete such a course by March 2019).
- (6) Students who have been conferred a degree equivalent to a bachelor's degree upon completion of a curriculum that has a course term of three years or longer at a university or other school (limited to schools whose overall educational and research activities have been evaluated by the relevant country's government or a government-approved individual, or are designated separately as having met this requirement by the Minister of Education) in a foreign country (including cases in which the student completed the curriculum by taking subjects conducted by said school via distance learning while the student resided in Japan, and cases in which the student has completed a curriculum at an educational facility that is positioned within that country's educational system as per the previous item).

- (7) Those persons who have completed a specialist program at a vocational school (restricted to those programs meeting standards prescribed by the MEXT Minister, including the condition of a study period of at least four years) that has been otherwise designated by the said Minister, where the prospective student has completed the course since the date stipulated by the Minister (including those who are expected to complete such a course by March 2019).
- (8) Those persons designated by the MEXT Minister (please refer to Public Notice of the Ministry of Education No.5 of 1953).
- (9) Those persons who have been admitted to the graduate school of another university according to Article 102 (2) of the School Education Law, and, in the opinion of GSIS, have attained a sufficient standard of achievement.
- (10) Other persons who will be at least 22 years old by March 2019 and who are expected, based on an individual GSIS screening, to have a level of scholastic attainment equivalent to or above that of a university graduate.

Note 6: The application qualifications under Article 102 (2) of the School Education Law and Article 11(9) of Tohoku University Graduate School Regulations are not applicable to “those who have studied at university for at least three years, those who have completed 15 years of school education in a foreign country, those who have completed 15 years of education in a foreign country by finishing in Japan a correspondence course operated by a school in that country, and those who have completed a university course in Japan at an educational facility, which is (i) recognized under the education system of a foreign country as operating a university program (graduates must be recognized as equivalent to completing 15 years of education in that country) and (ii) otherwise designated by the MEXT Minister, and who have been recognized by GSIS as having attained the necessary credits with outstanding results.”

Note 7: **All overseas applicants and mature students must engage in prior consultation with their prospective supervisors to discuss their post-admission research plans.**

Note 8: Prospective students who wish to apply as mature or overseas students under prerequisites (6), (9) or (10), will be subject to a prior documentation screening. Therefore, they should consult first with GSIS Educational Affairs Office and their prospective supervisor, and submit the documentation stipulated by GSIS by 14 December 2018.

### 3. Receipt of applications

#### ○ General selection, mature student selection and selection for overseas students, etc.

Applications must be received between 4 - 10 January 2019. The reception is open from 9:00AM to 4.30PM.

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

Where posted applications arrive later than 11 January, only those postmarked up to 10 January will be accepted.

#### ○ Early graduate student selection

Applications must be received between 22-25 January 2019. The reception is open from 9:00AM to 4.30PM.

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

Where posted applications arrive later than 26 January, only those postmarked up to 25 January will be accepted.

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: +81-22-795-5814

### 4. Application procedure

The documents necessary for application are as follows.

No.	Documentation	Details
1	Application form and CV	Use GSIS forms.
2	Requested supervisor	Use GSIS form.
3	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.)

4	Certificate of (expected) graduation, certificate of (expected) degree conferral, certificate of (scheduled) application for degree, or certificate of (expected) completion	Certificate of (expected) graduation issued by your university chancellor or faculty dean, certificate of (expected) bachelor's degree issued by the National Institution for Academic Degrees and University Evaluation (NIAD-UE), certificate of (scheduled) application for degree issued by your two-year college or technical school chair, etc. or certificate of (expected) completion issued by the head of the school you last attended
5	Academic transcript	Issued by the chancellor of your former university, your faculty dean, or the head of the school your last attended, etc.
6	TOEFL®Test or TOEIC®Test Scoresheet <sup>8</sup>	Required for applicants for General selection, Early graduate student selection and 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 examination.
7	Examination fee	30,000 yen (Use a postal money order*, leaving the recipient column blank) Not required if the following conditions are applicable: -Being supposed to be a government (MEXT)-sponsored exchange overseas student when entering GSIS. -Being exempt from an entrance examination fee with the support for the Great East Japan Earthquake, 2016 Kumamoto Earthquake or The Heavy Rain Event of July 2018.
8	Receipt and duplicate copy thereof	Use GSIS form, entering your name. Not required if the following conditions are applicable: -Being supposed to be a government (MEXT)-sponsored exchange overseas student when entering GSIS. -Being exempt from an entrance examination fee with the support for the Great East Japan Earthquake, 2016 Kumamoto Earthquake or The Heavy Rain Event of July 2018.
9	Return envelope for examination card	Use the envelope designated by GSIS. (Enter name, address and postcode and attach a 372 yen stamp.)
10	Envelope for official correspondence	Use the envelope designated by GSIS. (Clearly write name, address and postcode and attach a 530 yen stamp.)
11	Other	1) Submit papers, reports, etc., if any, that demonstrate scholastic ability. Those who wish to apply for Group 5 (excluding mature student applicants) must submit a copy of the research plan (about two pages of A4 size paper) and a copy of their graduation thesis (including those that have yet to be submitted). If the thesis is written in a language other than English or Japanese, please submit a summary written in Japanese or English. In lieu of a graduation thesis, you may submit a research paper, of about 10,000 characters in Japanese, or about 10 A4-size pages in English. 2) Mature students (see Note 5 below) and overseas students (see Note 4 below) who prefer to take the general entrance examination instead should submit “a certificate (of no specified form) (a document in which research programs, etc. are confirmed)” composed by the faculty member projected to be in charge of the students.

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

TOEFL, TOEFL iBT, TOEFL ITP and TOEIC is a registered trademark of Educational Testing Service (ETS).

Note9: We accept a score of any of the following publicly offered standardized tests: TOEFL-PBT, TOEFL-iBT or TOEIC. We do not, however, acknowledge scores of institutionally offered TOEFL-ITP or TOEIC-IP tests. Scores of multiple tests may be accepted provided they are of different types.

Where a scoresheet is not submitted at the time of your application, your English language score will be rated at zero.

The following applicants must submit a scoresheet. For further details, please see **pp.10-13(Schedule I ) and pp.15-22(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) and Social Science (group 7): The applicants for general selection and applicants for selection for overseas students, etc.

Regarding groups 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 mature student selection and applicants for selection for overseas students, etc. should respectively submit the following.

[Applicants for mature student selection]

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	Letter of acceptance	Written by your prospective supervisor (no set format)
4	Statement of purpose	Areas of interest, research plan, future goals, etc. (A4 size)
5	Graduation thesis, etc.	Graduation thesis, research contents of your university, etc. or job description, etc. (A4 size)

[Applicants for selection for overseas students, etc.]

No.	Documentation	Details
1	Letter of acceptance	Written by your prospective supervisor (no set format)
2	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 graduated from a university in Japan or for those who are expected to graduate by March 2019.
3	Proof of Japanese language proficiency	Written by your supervisor or the equivalent (no set format)
4	Government scholarship Certificate	Only overseas students on Japanese government (MEXT) scholarships at other universities should submit a Japanese government (MEXT) scholarship certificate issued by their university.
5	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. Unnecessary for those who will cease to be employed after entering this school.

## 5. Selection method

Selection will in principle be based upon a combination of written examinations (in the case of mature students, short essay, etc.), an oral examination, their academic transcript and other submitted documents.

### 1) General selection

Applicants should refer to “the list of laboratories (areas)” on pp.25-28 or GSIS’s website (<https://www.is.tohoku.ac.jp/jp/laboratory/>) to select their first choice in terms of laboratory (area) and sit the written and oral examinations for the specialized subject group specified by that laboratory (in that area). (See \*)

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.10-11(Schedule I ) and pp.15-17(Schedule II ).

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	Computer and Mathematical Sciences
		(B04), (B05), (B06), B07, (B08), (B11), (B12), B13-1, B13-2, B15	System Information Sciences
		(D01), (D02), D04, (D05), (D07), D08, D10, D11, D12, D13	Applied Information Sciences
3	Machine and Intelligence	A06-1, A06-2, A12, A15-1, A15-2, A15-3	Computer and Mathematical Sciences
		B09, B10-1, B10-2, B14	System Information Sciences
		D03-1, D03-2, D03-3, D09	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

Note.10: See note 1 of p.2 for the laboratories (areas) of the codes with parentheses.

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

Method (1): Taking the written examinations for another specialized subject group.

- Applicants in Groups 1, 5, 6 or 7 in test Schedule I can not select Groups 2, 3, or 4 in test Schedule II as their first test examination group.

Similarly, applicants in Groups 2, 3 or 4 in test Schedule II can not select Groups 1, 5, 6 or 7 in test Schedule I as the first test examination group.

- Because Group 1 will not be given a written examination, it is not possible to select Group 1 as a written examination group. In addition, applicants of Group 1 are not able to select this examination method.
- Because Group 5 will not be given a written examination(Specialized subjects), it is not possible to select Group 5 as a written examination group. In addition, applicants of Group 5 are not able to select this examination method.

Method (2): Take the written examinations for a subject that is not in GSIS's specialized subject groups (not possible for all subjects).

Method (3): In place of the above written and oral examinations, the applicant can produce a paper 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 methods must consult with GSIS Educational Affairs Section and their prospective supervisor to confirm the specific examination method by 14 December, 2018.**

2) Applicants for early graduate student selection and applicants for selection for overseas students, etc.

Applicants should refer to "the list of laboratories (areas)" on pp.25-28 or GSIS's website

(<https://www.is.tohoku.ac.jp/jp/laboratory/>) to select their first choice in terms of laboratory (area) and take the written and oral examinations for the specialized subject group specified by that laboratory (in that area). (See \*)

Subject group codes, laboratory codes and departments are shown in Table 2.

The content of examinations for each specialized subject group is shown on pp.10-13(Schedule I) and pp.18-23(Schedule II)

Table 2

Specialized subject group		Laboratory codes	Department
Group code	Name		
1	Mathematics	<b>A01-1, A01-2, A02-1, A02-2, A03, A04</b>	Computer and Mathematical Sciences
		<b>B01-1, B01-2, B02-1, B02-2, B03</b>	System Information Sciences
2	Information and Biosystems	<b>A05, A07, A08, A09, A10, A11, A13, A14, A16, A17</b>	Computer and Mathematical Sciences
		<b>B04, B05, B06, B07, B08, B11, B12, B13-1, B13-2, B15</b>	System Information Sciences
		<b>D01, D02, D04, D05, D07, D08, D10, D11, D12, D13</b>	Applied Information Sciences
3	Machine and Intelligence	<b>A06-1, A06-2, A12, A15-1, A15-2, A15-3</b>	Computer and Mathematical Sciences
		<b>B09, B10-1, B10-2, B14</b>	System Information Sciences
		<b>D03-1, D03-2, D03-3, D09</b>	Applied Information Sciences
4	Civil Engineering	<b>C11-1, C11-2, C12-1, C12-2, C13-1, C13-2</b>	Human-Social Information Sciences
5	Languages and Media	<b>C01, C06, C14, C15</b>	Human-Social Information Sciences
6	Psychology and Philosophy	<b>C02, C03, C04, C05, C16</b>	Human-Social Information Sciences
		<b>D06</b>	Applied Information Sciences
7	Social Sciences	<b>C07, C08, C09, C10</b>	Human-Social Information Sciences

### 3) Mature student selection

Those applying for admission as a mature student should in principle have been employed for two or more years as researchers, teachers or technicians in public office, schools or companies, etc. 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 content of the examination in each area of speciality is as described in pp.14(Schedule I ) and pp.24(Schedule II ).

## 6. Examination venues and schedules

### (1) Schedules for entrance examinations.

Examinations will be held by specialized subject group over 2 February - 3 February 2019(Schedule I ) or 4 March - 6 March 2019 according to the schedule on pp.10-24.

### (2) Place and time of the examination

The details including the examination venue will be notified along with the examination admission card. As for the time and the date of the examinations, refer to "Examination schedule and examination content for each specialized subject group." (pp.10-24)

## 7. Notification of the results

The examination codes identifying admitted applicants will be listed on GSIS's website at 5 p.m. on 8 February 2019(Schedule I ) or 8 March 2019(Schedule II ) (<https://www.is.tohoku.ac.jp/>). Applicants will also be notified of the results placed in the envelope exclusively used for official communication by mail.

## 8. 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 12) systematically over a period of more than two years, which is the standard completion period, in response to circumstances such as the student's having a job (Note 11). 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 admission procedures sent out after the announcement of successful applicants.

Note 11: 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 12: The term of study cannot extend past four 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.

## 9. Admission procedures

Information on admission procedures and other details will be sent out together with the notification of acceptance in late March 2019.

## 10. Costs

- |                              |                                  |
|------------------------------|----------------------------------|
| (1) Entrance fee             | 282,000 yen (subject to change)  |
| (2) Tuition fee (Semester 2) | 267,900 yen (subject to change)  |
| (Annual fee                  | 535,800 yen) (subject to change) |

Note 13: 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 14: Information on exemptions from entrance and/or tuition fees or permission for delayed fee payment will be provided in the documentation on admission procedures sent out after the announcement of the examination results.

## 11. 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 date, please contact GSIS Educational Affairs Office.
- (5) Consultation is available for those applicants with examination or study needs. Please contact GSIS Educational Affairs Section in this regard by 14 December 2018.
- (6) When requesting application documents 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 380 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 2018

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

**《 On Starting Academic Programs in October 》**

**Regarding general selection, mature student selection and selection for overseas students, etc. (including returnees), brochures of application for programs starting in October will be available in early June 2019, along with the brochures of application for other students.**

### Examination schedule and examination content for each specialized subject group

【Schedule I】 2 February - 3 February 2019

【Schedule I】

April 2019

#### Two-Year Master's Program: General selection and Early graduate student selection

	Group 1          Mathematics
Oral examination	<p>2 February    Applicants will be notified of the exact start time separately. Applicants must speak for approximately 15 minutes on their (expected) graduation research at their previous university or the main areas of mathematics that they have studied. (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>
	Group 5          Languages and Media
Written examinations *	<p>English</p> <p>Applicants must provide at the time of application their original TOEFL or TOEIC scoresheet from an examination taken no more than two years before the first day of the entrance examinations. The scoresheet is the Examinee's Score Record in the case of TOEFL, and the Official Score Certificate in the case of TOEIC. When submitting the TOEFL Official Score Report, please ensure that the U.S. ETS sends it to GSIS by the final day of application. (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>2 or 3 February    Applicants will be notified of the exact date and start time separately. Applicants must speak for approximately 30 minutes on the education they received at their previous university and their graduation thesis (including theses under production), and their desired research after the entrance. (PC projectors can be used.) On the day of the examination, bring five copies of the materials related to your presentation (presentation outline, drawings, 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 or TOEIC scoresheet from an examination taken no more than two years before the first day of the entrance examinations. The scoresheet is the Examinee's Score Record in the case of TOEFL, and the Official Score Certificate in the case of TOEIC. When submitting the TOEFL Official Score Report, please ensure that the U.S. ETS sends it to GSIS by the final day of application. (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      2 February 10:00-13:00</p> <p>Select four out of 12 questions from these areas: psychology (sensation and perception, cognition, learning and memory, personality, psychometrics) and philosophy (history of philosophy)</p>
Oral examination	<p>2 or 3 February    Applicants will be notified of the exact date and start time separately. Applicants must speak for approximately 20 minutes on the education they received at their previous university and their graduation 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).</p>

【Schedule I】

April 2019

**Two-Year Master’s Program: General selection and Early graduate student selection**

	Group 7 Social Sciences
Written examinations *	English Applicants must provide at the time of application their original TOEFL or TOEIC scoresheet from an examination taken no more than two years before the first day of the entrance examinations. The scoresheet is the Examinee’s Score Record in the case of TOEFL, and the Official Score Certificate in the case of TOEIC. When submitting the TOEFL Official Score Report, please ensure that the U.S. ETS sends it to GSIS by the final day of application. (For mailing, GSIS’s DI code is 2149.)
	Specialized subjects 2 February 10:00-13:00 Select one of the following categories. Sociology: select three out of five questions from the following areas: the history of sociology, contemporary society, sociology of local community, family sociology and social research methods. Politics: select three out of five questions from the following areas: political consciousness, public administration, political processes, statistics and social research methods. Economics: select three out of five questions from the following areas: microeconomics, macroeconomics, urban and regional economics, statistics and mathematics for economics. As necessary, the examiner will supply calculators. * State the name of the categories in which you wish to be examined (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.
Oral examination	2 or 3 February Applicants will be notified of the exact date and start time separately. Applicants must speak for approximately 20 minutes on the education they received at their former university 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 the materials related to your presentation (presentation outline, diagrams, etc.; (A4 size).

\* 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 2019

**Two-Year Master's Program: Selection for overseas students, etc.**

	Group 1 Mathematics
Oral examination	<p>2 February Applicants will be notified of the exact start time separately.</p> <p>Applicants must speak for approximately 15 minutes on their (expected) graduation research at their former university or the main areas of mathematics which they have studied. (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 or TOEIC scoresheet from an examination taken no more than two years before the first day of the entrance examinations. The scoresheet is the Examinee's Score Record in the case of TOEFL, and the Official Score Certificate in the case of TOEIC. When submitting the TOEFL Official Score Report, please ensure that the U.S. ETS sends it to GSIS by the final day of application. (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>2 or 3 February Applicants will be notified of the exact date and start time separately.</p> <p>Applicants must speak for approximately 30 minutes on the education they received at their former university and their graduation thesis (including theses under production), and their desired 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 or TOEIC scoresheet from an examination taken no more than two years before the first day of the entrance examinations. The scoresheet is the Examinee's Score Record in the case of TOEFL, and the Official Score Certificate in the case of TOEIC. When submitting the TOEFL Official Score Report, please ensure that the U.S. ETS sends it to GSIS by the final day of application. (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 2 February 10:00-13:00</p> <p>Select three out of 12 questions from these areas: psychology (sensation and perception, cognition, learning and memory, personality, psychometrics) and philosophy (history of philosophy)</p>
Oral examination	<p>2 or 3 February 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 university and their graduation 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).</p>

【Schedule I】

April 2019

**Two-Year Master’s Program: 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 or TOEIC scoresheet from an examination taken no more than two years before the first day of the entrance examinations. The scoresheet is the Examinee’s Score Record in the case of TOEFL, and the Official Score Certificate in the case of TOEIC. When submitting the TOEFL Official Score Report, please ensure that the U.S. ETS sends it to GSIS by the final day of application. (For mailing, GSIS’s DI code is 2149.)</p>
	<p>Specialized subjects 2 February 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, family sociology 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. 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 of category will be allowed after the application has been submitted</p>
Oral examination	<p>2 or 3 February 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 university 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 or TOEIC scoresheet must still be provided at the time of application for subject groups 5, 6 and 7.

【Schedule I】

April 2019

**Two-Year Master's Program: Mature student selection**

	Group 1 Mathematics
Oral examination	2 February Applicants will be notified as to the exact start time separately. Applicants must speak for approximately 15 minutes on their main area of mathematical research either at their workplace or on a personal basis. (PC projectors can be used.) 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. 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. If the applicant is non-Japanese, he or she may submit both summaries in English only.

	Group 5 Languages and Media
Oral examination	2 or 3 February Applicants will be notified of the exact date and start time separately. Applicants must speak for approximately 30 minutes on their research or work at their workplace. (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	2 February 10:00-11:30 Theme to be indicated on the day of the examination.
Oral examination	2 or 3 February 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 7 Social Sciences
Short essay	2 February 10:00-13:00 Select one of the themes indicated at the time of the examination and produce an essay. Themes will relate to proposed research areas across sociology, politics and economics.
Oral examination	2 or 3 February 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).

## Examination schedule and examination content for each specialized subject group

【Schedule II】 4 March - 6 March 2019

【Schedule II】

April 2019

### Two-Year Master's Program: General selection

	Group 2 Information and Biosystems
Written examinations *	<p>English</p> <p>Applicants must provide at the time of application their original TOEFL or TOEIC scoresheet from an examination taken no more than two years before the first day of the entrance examinations. The scoresheet is the Examinee's Score Record in the case of TOEFL, and the Official Score Certificate in the case of TOEIC. When submitting the TOEFL Official Score Report, please ensure that the U.S. ETS sends it to GSIS by the final day of application. (For mailing, GSIS's DI code is 2149.)_Applicants whose native language is English should contact GSIS on an individual basis.</p>
	<p>Basic subjects                      4 March 9:30-11:30</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>Specialized subjects                5 March 9:30-11:30</p> <p>Physics and informatics: Select two out of six questions on electrical engineering, communication engineering, electronic engineering, computers 1, computers 2, and specialized physics.</p> <p>Medicine and biology: Select two out of five questions on specialized molecular biology, specialized general physiology, specialized neuroendocrinology, specialized pathophysiology, and specialized health science.</p>
	<p>Note1: 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: <a href="http://www.ecei.tohoku.ac.jp/ecei_web/admission/exam_subject.html">http://www.ecei.tohoku.ac.jp/ecei_web/admission/exam_subject.html</a></p> <p>Note2; Those eligible for taking the Group 2 examination described above are as follows;</p> <ul style="list-style-type: none"> <li>○ Applicants who choose Laboratories listed in Chart-1 (Group 2) without parentheses as their first choices.</li> <li>○ Applicants whose first choices are other than Group 2, and who wish to take the examination as specified in "5. Selection method 1) (1)". The oral examination needs to be done in the Group which the subject of the applicant's first choice belongs to.</li> </ul> <p>Note 3: Applicants who choose Laboratories listed in Chart-1 (Group 2) with parentheses as their first choices are allowed only to take the examination according to the rules specified in "5. Selection method 1) (1) and (2)."</p>
Oral examination	<p>5 or 6 March</p> <p>Applicants will be notified of the exact date and start time separately. (According to the content of your academic transcript, you may be exempted from the oral examination.)</p> <p>Applicants must speak for approximately 10 minutes on their graduation thesis (including theses under production) and their research goals following admission, etc. (You do not need to fill in the "Presentation Title at the Oral Exam" column on the application form.)</p>
	<p>Note 4: The following applicants are to take the oral examination described above;</p> <ul style="list-style-type: none"> <li>○ Applicants who choose Laboratories listed in Chart-1 (Group 2) with parentheses as their first choices and who wish to take the examination as specified in "5. Selection method 1) (1) or (2)"</li> <li>○ Applicants who choose Laboratories listed in Chart-1 (Group 2) without parentheses as their first choices.</li> </ul>

【Schedule II】

April 2019

**Two-Year Master’s Program: General selection**

	Group 3                      Machine and Intelligence
Written examinations *	English Applicants must provide at the time of application their original TOEFL or TOEIC scoresheet from an examination taken no more than two years before the first day of the entrance examinations. The scoresheet is the Examinee’s Score Record in the case of TOEFL, and Official Score Certificate in the case of TOEIC. When submitting the TOEFL Official Score Report, please ensure that the U.S. ETS sends it to GSIS by the final day of application. (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.”)
	Mathematics A    4 March 10:30-12:00 (Meeting time 10:00) Differential and integral calculus, linear algebra, vector analysis, ordinary differential equations
	Mathematics B    4 March 13:30-15:00 Fourier series and transform, Laplace transform, partial differential equations
	Specialized subjects    5 March 9:00-12:00 (Meeting time 8:30) (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.
Oral examination	6 March Applicants will be notified of the meeting time during the written examination. Only those who pass the written examination and those who are exempt from the written examination are to take the oral examination. Applicants will be asked about their (expected) graduation research and their research goals following admission, etc. (You do not need to fill in the “Presentation Title at the Oral Exam” column on the application form.)



【Schedule II】

April 2019

**Two-Year Master's Program: General selection**

	Group 4 Civil Engineering
Written examinations *	English Applicants must provide at the time of application their original TOEFL or TOEIC scoresheet from an examination taken no more than two years before the first day of the entrance examinations. The scoresheet is the Examinee's Score Record in the case of TOEFL, and the Official Score Certificate in the case of TOEIC. When submitting the TOEFL Official Score Report, please ensure that the U.S. ETS sends it to GSIS by the final day of application. (For mailing, GSIS's DI code is 2149.)
	Short essay 4 March 9:30-11:00 A theme on civil engineering
	Specialized subjects 4 March 13:00- Applicants from civil engineering departments must choose seven questions out of the following 17 questions (the test time is 3.5 hours). Other applicants must choose a total of seven questions out of the following 17 questions (the test time is 2 hours). 1. Mathematics (differentiation and integration) (1 question), Linear algebra (1 question), Probability statistics (1 question) 2. Mechanics of Elastic Media and Structures (2 questions) 3. Geo technical and Concrete Engineering (2 questions) 4. Hydraulics (2 questions) 5. Water Quality and Environment (2 questions) 6. Biological and Ecological Engineering (2 questions) 7. Transportation Engineering and Planning (2 questions) 8. Operations Research (2 questions)
	Notes (1) 'Civil engineering departments' in this case means departments that are focused on civil engineering, regardless of their titles. Educational Affairs Section should be consulted as to what is regarded as a civil engineering department. (2) Calculators and dictionaries are not allowed. (3) For the past entrance examination questions and question scope, please refer to the following website: <a href="http://www.civil.tohoku.ac.jp/inshi.html">http://www.civil.tohoku.ac.jp/inshi.html</a>
Oral examination	4 or 5 March Applicants will be notified of the start time separately. Questions cover the education received in the previous institution, the content of the thesis (including the one in progress), the drive and motivation, and research goals following admission, etc.

\* 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 2019

**Two-Year Master's Program: Early graduate student selection**

	Group 2 Information and Biosystems
Written examinations	<p>English</p> <p>Applicants must provide at the time of application their original TOEFL or TOEIC scoresheet from an examination taken no more than two years before the first day of the entrance examinations. The scoresheet is the Examinee's Score Record in the case of TOEFL, and the Official Score Certificate in the case of TOEIC. When submitting the TOEFL Official Score Report, please ensure that the U.S.ETS sends it to GSIS by the final day of application. (For mailing, GSIS's DI code is 2149.) Applicants whose native language is English should contact GSIS on an individual basis.</p>
	<p>Basic subjects                      4 March 9:30-11:30</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>Specialized subjects                5 March 9:30-11:30</p> <p>Physics and informatics: Select two out of six questions on electrical engineering, communication engineering, electronic engineering, computers 1, computers 2, and specialized physics.</p> <p>Medicine and biology: Select two out of five questions on specialized molecular biology, specialized general physiology, specialized neuroendocrinology, specialized pathophysiology, and specialized health science.</p>
	<p>Note 1: 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: <a href="http://www.ecei.tohoku.ac.jp/ecei_web/admission/exam_subject.html">http://www.ecei.tohoku.ac.jp/ecei_web/admission/exam_subject.html</a></p> <p>Note 2: According to the content of your academic transcript, you may be exempted from the written examination.</p>
Oral examination	<p>5 or 6 March</p> <p>Applicants will be notified of the exact date and start time separately. (According to the content of your academic transcript, you may be exempted from the oral examination.)</p> <p>Applicants must speak for approximately 10 minutes on the education they received at their former university, their graduation thesis (including theses under production) and on their research goals following admission, etc.</p>

【Schedule II】

April 2019

**Two-Year Master’s Program: Early graduate student selection**

	Group 3                      Machine and Intelligence
Written examinations	English Applicants must provide at the time of application their original TOEFL or TOEIC scoresheet from an examination taken no more than two years before the first day of the entrance examinations. The scoresheet is the Examinee’s Score Record in the case of TOEFL, and the Official Score Certificate in the case of TOEIC. When submitting the TOEFL Official Score Report, please ensure that the U.S. ETS sends it to GSIS by the final day of application. (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.”)
	Mathematics A    4 March 10:30-12:00 (Meeting time 10:00) Differential and integral calculus, linear algebra, vector analysis, ordinary differential equations
	Mathematics B    4 March 13:30-15:00 Fourier series and transform, Laplace transform, partial differential equations
	Specialized subjects 5 March 9:00-12:00 (Meeting time 8:30) (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.
	Note: According to the content of your academic transcript, you may be exempted from the oral examination.
Oral examination	6 March Applicants will be notified of the meeting time during the written examination. Only those who pass the written examination and those who are exempt from the written examination are to take the oral examination. Applicants will be asked about their (expected) graduation research and their research goals following admission, etc. (You do not need to fill in the “Presentation Title at the Oral Exam” column on the application form.)

【Schedule II】

April 2019

**Two-Year Master's Program: Early graduate student selection**

	Group 4 Civil Engineering
Written examinations *	English Applicants must provide at the time of application their original TOEFL or TOEIC scoresheet from an examination taken no more than two years before the first day of the entrance examinations. The scoresheet is the Examinee's Score Record in the case of TOEFL, and the Official Score Certificate in the case of TOEIC. When submitting the TOEFL Official Score Report, please ensure that the U.S. ETS sends it to GSIS by the final day of application. (For mailing, GSIS's DI code is 2149.)
	Short essay 4 March 9:30-11:00 A theme on civil engineering
	Specialized subjects 4 March 13:00- Applicants from civil engineering departments must choose seven questions out of the following 17 questions (the test time is 3.5 hours). Other applicants must choose a total of seven questions out of the following 17 questions (the test time is 2 hours). 1. Mathematics (differentiation and integration) (1 question), Linear algebra (1 question), Probability statistics (1 question) 2. Mechanics of Elastic Media and Structures (2 questions) 3. Geo technical and Concrete Engineering (2 questions) 4. Hydraulics (2 questions) 5. Water Quality and Environment (2 questions) 6. Biological and Ecological Engineering (2 questions) 7. Transportation Engineering and Planning (2 questions) 8. Operations Research (2 questions)
	Notes (1) 'Civil engineering departments' in this case means departments that are focused on civil engineering, regardless of their titles. Educational Affairs Section should be consulted as to what is regarded as a civil engineering department. (2) Calculators and dictionaries are not allowed. (3) For the past entrance examination questions and question scope, please refer to the following website: <a href="http://www.civil.tohoku.ac.jp/inshi.html">http://www.civil.tohoku.ac.jp/inshi.html</a>
Oral examination	4 or 5 March Applicants will be notified of the start time separately. Questions cover the education received in the previous institution, the content of the thesis (including the one in progress), the drive and motivation, and research goals following admission, etc.

\* A TOEFL or TOEIC scoresheet must still be provided at the time of application for subject groups 2, 3, and 4.

【Schedule II】

April 2019

**Two-Year Master's Program: Selection for overseas students, etc.**

	Group 2 Information and Biosystems
Written examinations *	<p>Basic subjects 4 March 9:30-11:30</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 or TOEIC scoresheet from an examination taken no more than two years before the first day of the entrance examinations. The scoresheet is the Examinee's Score Record in the case of TOEFL, and the Official Score Certificate in the case of TOEIC. When submitting the TOEFL Official Score Report, please ensure that the U.S. ETS sends it to GSIS by the final day of application. (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 5 March 9:30-11:30</p> <p>Physics and informatics: Select two out of six questions on electrical engineering, communication engineering, electronic engineering, computers 1, computers 2, and specialized physics.</p> <p>Medicine and biology: Select two out of five questions on specialized molecular biology, specialized general physiology, specialized neuroendocrinology, specialized pathophysiology, and specialized health science.</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:  <a href="http://www.ecei.tohoku.ac.jp/ecei_web/admission/exam_subject.html">http://www.ecei.tohoku.ac.jp/ecei_web/admission/exam_subject.html</a></p>
Oral examination	<p>5 or 6 March</p> <p>Applicants will be notified of the exact date and start time separately.</p> <p>Applicants must speak for approximately 10 minutes on the education they received at their former university, their (expected) graduation thesis and their research goals following admission, etc. (Overseas students who undertook their undergraduate studies at Tohoku University may in some cases be exempted from giving this presentation.)</p>

**【Schedule II】**

April 2019

**Two-Year Master’s Program: Selection for overseas students, etc.**

	Group 3                      Machine and Intelligence
Written examinations *	English Applicants must provide at the time of application their original TOEFL or TOEIC scoresheet from an examination taken no more than two years before the first day of the entrance examinations. The scoresheet is the Examinee’s Score Record in the case of TOEFL, and the Official Score Certificate in the case of TOEIC. When submitting the TOEFL Official Score Report, please ensure that the U.S. ETS sends it to GSIS by the final day of application. (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.”)
	Mathematics A    4 March 10:30-12:00 (Meeting time 10:00) Differential and integral calculus, linear algebra, vector analysis, ordinary differential equations
	Mathematics B    4 March 13:30-15:00 Fourier series and transform, Laplace transform, partial differential equations
	Specialized subjects      1 March 9:00-12:00 (Meeting time 8:30) (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.
Oral examination	6 March 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 10 minutes on the education they received at their former university or their graduation 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). Overseas students who undertook their undergraduate studies at Tohoku University do not need to give a presentation, but they will be asked about their (expected) graduation research and their research goals after admission, etc.

【Schedule II】

April 2019

**Two-Year Master's Program: Selection for overseas students, etc.**

	Group 4          Civil Engineering
Written examinations *	English Applicants must provide at the time of application their original TOEFL or TOEIC scoresheet from an examination taken no more than two years before the first day of the entrance examinations. The scoresheet is the Examinee's Score Record in the case of TOEFL, and the Official Score Certificate in the case of TOEIC. When submitting the TOEFL Official Score Report, please ensure that the U.S. ETS sends it to GSIS by the final day of application. (For mailing, GSIS's DI code is 2149.)
	Specialized subjects          4 March 13:00-15:00 Select four questions from the following 17 questions on 8 subjects. 1. Mathematics (differentiation and integration) (1 question), Linear algebra (1 question), Probability statistics (1 question) 2. Mechanics of Elastic Media and Structures (2 questions) 3. Geo technical and Concrete Engineering (2 questions) 4. Hydraulics (2 questions) 5. Water Quality and Environment (2 questions) 6. Biological and Ecological Engineering (2 questions) 7. Transportation Engineering and Planning (2 questions) 8. Operations Research (2 questions)
	Notes (1) Calculators and dictionaries are not allowed. (2) For past entrance exam questions and question scope, please refer to the following website: <a href="http://www.civil.tohoku.ac.jp/inshi.html">http://www.civil.tohoku.ac.jp/inshi.html</a>
Oral examination	4 or 5 March Applicants will be notified of the exact date and start time separately. Questions cover the education received in the previous institution, the content of the thesis (including the one in progress), the drive and motivation, and research goals following admission, etc. The Japanese language proficiency of the applicants is also judged.

\* 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 2019

**Two-Year Master's Program: Mature student selection**

	Group 2 Information and Biosystems
Oral examination	5 or 6 March Applicants will be notified as to the exact date and start time separately. Applicants must speak for approximately 10 minutes on their research (work) to date and their research goals following admission, etc.

	Group 3 Machine and Intelligence
Written examinations *	Choose two out of 10 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 4 March 10:30-12:00 (Meeting time 10:00) Differential and integral calculus, linear algebra, vector analysis, ordinary differential equations
	Mathematics B 4 March 13:30-15:00 Fourier series and transform, Laplace transform, partial differential equations
	Specialized subjects 5 March 9:00-12:00 (Meeting time 8:30) Thermodynamics, fluid mechanics, material dynamics, mechanical dynamics and control engineering
Oral examination	6 March 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 10 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.
	Note: Some applicants may be exempted from the written examinations 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	4 March 9:30-11:00 A theme on civil engineering
Oral examination	4 March 13:00- Applicants must speak for no more than 10 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 Office beforehand.) The examiners will ask questions concerning your presentation, motivation, and research goals if admitted, etc. On the day of the examination, bring eight copies of materials accompanying your presentation (presentation outline, diagrams, etc.; A4 size).



**List of laboratories (areas) within Tohoku University Graduate School of Information Sciences 2019**

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

<https://www.is.tohoku.ac.jp/jp/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	Statistical Physics	A05	(Currently vacant)	Computer and Mathematical Sciences
		Computation Science and Systems	Computation Science and Systems Computation Theory	A07	(Currently vacant)	
			Computer Structures	A08	Prof. Takafumi AOKI Assoc. Prof. Koichi ITO	
			Intelligent Integrated Systems	A09	Prof. Masanori HARIYAMA	
		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	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	Prof. Jun-ichi KUDOH**	

Information and Biosystems	Intelligent Information Science	Algorithm Theory	B04	Prof. Xiao. ZHOU Assoc. Prof. Takehiro ITO	System Information Sciences
		Intelligent Systems Science	B05	Prof. Ayumi SHINOHARA Assoc. Prof. Ryo YOSHINAKA	
		Communication Science	B06	Prof. Kentaro INUI Assoc. Prof. Jun SUZUKI	
	Biosystem Information Sciences	Information Biology	B07	Prof. Keiichi ITOI* Assoc. Prof. Tatsuya SATO	
		Design and Analysis of Information Systems	B08	Assoc. Prof. Jinhee CHUN	
	Acoustic Information	Acoustic Information	B11	Assoc. 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	B13-1	Prof. Yoshifumi KITAMURA	
			B13-2	Assoc. Prof. Terumasa AOKI	
	Software Construction	Software Construction	B15	Prof. Atsushi OHORI Assoc. Prof. Katsuhiko UENO	
	Information and Applied Technology	Physical Fluctuomatics	D01	Prof. Kazuyuki TANAKA Prof. Hidetoshi NISHIMORI Assoc. Prof. Masayuki OHZEKI	Applied Information Sciences
		Information Technology	D02	Prof. Nei KATO Assoc. Prof. Hiroki NISHIYAMA Assoc. Prof. Zubair Md Fadlullah	
	Applied Informatics for Human and Life Sciences	Systems Bioinformatics	D04	Prof. Kengo KINOSHITA Assoc. Prof. Takeshi OOBAYASHI Assoc. Prof. Hafumi NISHI	
		Biomodeling	D05	Prof. Mitsuyuki NAKAO Assoc. Prof. Norihiro KATAYAMA	
	Applied Intelligence Software	Applied Intelligence Software	D07	Prof. Takuo SUGANUMA Assoc. Prof. Toru ABE	
Information Network Systems	Information Network Systems	D08	Prof. Hideaki SONE** Assoc. Prof. Takaaki MIZUKI		

		Brain Function Integration	Brain Function Integration	D10	Prof. Yoshihiko HORIO		
		Health Informatics	Health Informatics	D11	Prof. Yoshitaka KINOCHI Prof. Chihiro ITO Assoc. Prof. Shin 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		
		Biomedical Information analysis	Biomedical Information Analysis	D13	Prof. Masao NAGASAKI Senior Assis. Prof. Kaname KOJIMA		
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	Prof. Hiroaki KOBAYASHI		
		High Performance Computing	High Performance Computing	A15-1	Prof. Hiroyuki TAKIZAWA		
				A15-2	Assoc. Prof. Hideaki GOTO		
				A15-3	Assoc. Prof. Ryusuke EGAWA		
		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	Prof. Yuji HATTORI				
4	Civil Engineering	Infrastructure Planning	Transportation and Geographic Information Science	C11-1	Prof. Masao KUWAHARA*	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. Shunsuke HAYASHI	
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 Assoc. Prof. Akiko NAGANO	
		Media and Information Science	Media and Culture	C14	Prof. Tatsuya HORITA Senior Assis. Prof. Kuniko SAKATA	
			Media and Semiotics	C15	Assoc. Prof. Shunichi KUBO** 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	Prof. Kazuhisa SINOZAWA**	
		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	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, 2020.

\*\* Teaching staff due to retire in March, 2021.