

Academic Year 2019

**Graduate School of Science
Hokkaido University**

Master's Course

(Former Period of Doctoral Program)

Second Selection

**Guidelines for Application for the
Entrance Examination**

(Admission for International Students Residing in Japan)

November 2018

Notes

For applicants of general category, each department determines acceptable TOEFL, TOEIC, IELTS score and the date of exam. The copy of score sheet is disapproved. Applicants must submit original score sheets. Please refer to the page 4 for more details.

Based on the application period, check the test schedule of TOEFL, TOEIC and IELTS Academic Module respectively.

Those who took an examination on this year's first selection (held on August 19, 20, and 21, 2018) or the fall special selection (held on November 7 and 8, 2018) and already submitted the score sheets are exempted from submitting them. If you apply to those, tick the appropriate box in the application document. (If you wish, you may submit new score sheets.)

Hokkaido University's Acquisition and Use of Personal Information

- (1) In handling personal information from applicants, Hokkaido University makes every effort to protect this information through appropriate management based on the "Privacy Policy of Hokkaido University" and relevant laws and ordinances such as the "Protection Law for Private Information Held by Independent Administrative Corporations".
- (2) Personal information, such as name, address, etc., provided by the applicant to the university in the process of applying for admission will be used only for 1) assessment of applicants, 2) the announcement of results, 3) enrollment procedures, 4) surveys and research on enrollee selection methods, and 5) business operations pertaining to 1-4.
- (3) Companies commissioned as part of the relevant operations by the University (hereafter called "commissioned companies") may handle personal data. Part or all of the personal information submitted to the University by the applicant will be provided to the commissioned companies, to the extent necessary for them to carry out their commissioned operations.
- (4) After successful applicants are enrolled, personal information they provided on their application forms will be used for 1) educational affairs (such as registration, educational guidance, etc.), 2) student support services (such as health administration, fellowship applications, etc.), 3) career support and 4) business operations related to their tuition fees and other expenses.
- (5) Among the personal information of (4), only name and address may be used to contact from Hokkaido University Frontier Foundation, Hokkaido University Athletic Union, Alumni Association of the School of Science, and Alumni Association Elm of Hokkaido University under safety measure.

November 2018

Graduate School of Science,
Hokkaido University

Admission Requirements for the Graduate School of Science

Applicants must have completed core subjects in the fields of Mathematics, Physics, Chemistry, Biological Sciences, Earth Science, etc., and related specialized subjects. They must also have the ability, character and aptitude to study independently and to rigorously investigate the principles of nature.

General Category

1. Admission Quota

Department	Admission Quota	Website's URL
	April, 2019	
Mathematics	A few students	http://www.math.sci.hokudai.ac.jp/en/
Condensed Matter Physics	A few students	http://phys.sci.hokudai.ac.jp/cond-mat/index_eng.html
Cosmosciences	A few students	http://www.ep.sci.hokudai.ac.jp/~cosmo/index-e.htm
Natural History Sciences	A few students	Earth and Planetary Dynamics / Earth and Planetary System Science / Seismology and Volcanology http://www.sci.hokudai.ac.jp/grp/epsdc/exam/ Biodiversity http://www.sci.hokudai.ac.jp/biodiversity_e/ Science Communication http://sc.sci.hokudai.ac.jp/

Notes

- ① For details about a department, please inquire to the department concerned.
- ② Applicants of the Department of Natural History Sciences should select one of three: 1) Earth and Planetary Sciences etc. (Earth and Planetary Dynamics / Earth and Planetary System Science / Seismology and Volcanology), 2) Biodiversity, 3) Science Communication and must tick the appropriate box on the Application Form.
- ③ The department of Mathematics is scheduled to change the admission quota from 2019. (46 master course students → 44 master course students) This plan is subject to change.

2. Eligible Applicants

Applicants must fulfill one of the following criteria.

- (1) Graduation or expected graduation from a college, prior to admission to the Graduate School.
- (2) Received or are expected to receive an undergraduate degree in conformity with Article 104, Clause 4, of the School Education Law (1947, Law No. 26), prior to admission to the Graduate School.
- (3) Completion or expected completion of a 16-year overseas school education course, prior to admission to the Graduate School.
- (4) Completion or expected completion of a 16-year course of education in Japan through a distant learning course offered by an overseas educational institution, prior to admission to the Graduate School.
- (5) Completion or expected completion of education at an institution in Japan that is recognized as equivalent to a university by a foreign country (limited to individuals who are recognized by a foreign educational system as having completed 16 years of education) and that is designated by the Minister of Education, Culture, Sports, Science, and Technology, prior to admission to the Graduate School.
- (6) Prior to admission to the Graduate School, received a degree equivalent to a Bachelor degree from overseas universities or other foreign schools that require more than three years of course work. Institutions should be rated by certified persons from the foreign government or institutions concerned, or satisfy the conditions set by the Ministry of Education, Culture, Sports, Science and Technology about general conditions of the

educational research activities. This includes distant-learning degree program completed in Japan offered by an overseas educational institution that shall be recognized as equivalent to a university by a foreign country and designated by preceding item.

- (7) Completion of a specialized course at a vocational school (limited to courses with a duration of four years or more and that satisfy the conditions set by the Ministry of Education, Culture, Sports, Science and Technology) designated by the Ministry after the date set by the Ministry, prior to admission to the Graduate School.
- (8) Designation by the Ministry of Education, Culture, Sports, Science and Technology (February 7, 1953 Ministry of Education Notification No. 5).
- (9) Have spent three or more years studying at a college (e.g. early graduation) or completed a 15-year overseas school education course, and be recognized by the Graduate School as having completed the prescribed number of credits with an excellent academic record.
- (10) Be recognized by the Graduate School as having an academic aptitude equivalent to or higher than that of university graduates, as verified by individual admission qualification screening, and be at least age 22 before admission to the Graduate School.

3. Pre-assessment of Applicants' Qualifications

Application Period for Pre-assessment: November 29 – December 4, 2018

The Pre-assessment of Applicants' Qualifications is held prior to the application period for the entrance examination. Applicants under (9) or (10) in "2. Eligible Applicants" must apply for this by submitting "5. Application Documents" during the above period.

Applicants who apply for the Pre-assessment of Applicants' Qualifications should not pay the entrance examination fee when they apply for the pre-assessment. They should pay the entrance examination fee after referring to the notes below. The Graduate School Educational Affairs Section is open from 9:00 AM – 4:00 PM, except on Saturdays, Sundays, and national holidays; if you mail the documents, they must be received by the deadline.

Notes:

The pre-assessment application results will be sent to applicants around December 11, 2018, by mail; once their qualifications have been accepted by the pre-assessment, applicants must pay the examination fee, referring to "7. Entrance Examination Fee," and submit the payment certificate by January 10, 2019. If the Educational Affairs Section does not receive the payment certificate during the application period, the application will not be accepted and will be regarded as canceled.

Japanese Government (MEXT) scholarship students, students in the State-Sponsored Scholarship Program of the China Scholarship Council, and students having a Hokkaido University President's Fellowship (including those who are expected to receive these scholarships) are not required to pay the examination fee.

4. Application Period

Application Period: January 4 – January 10, 2019

Applicants under (1) – (8) in "2. Eligible Applicants"

Submit the completed application documents (see "5. Application Documents") with the payment certificate (E) (see "7. Entrance Examination Fee") during the application period. Applications will be accepted 9:00 AM – 4:00 PM, except on Saturdays, Sundays, and national holidays. If you mail the application documents, they must be received by the deadline.

5. Application Documents

* Applicants under (9) or (10) in “2. Eligible Applicants” must submit the following documents during the application period for “3. Pre-assessment of Applicants’ Qualifications.”

* In the following chart, “○” indicates documents that must be submitted; “△” indicates documents that must be submitted for those who fall into the following “Remarks” .

Documents	Applicants			Remarks
	(1)(2) (3)(4) (5)(6) (7)(8)	(9)	(10)	
1 Application Form, Resume, Admission Ticket and Photo Card.	○	○	○	Prescribed. Applicants who have completed a distant learning course offered by an overseas educational institution or an overseas school education course are required to attach Resume B.
2 Official Transcript issued by the last academic institution previously attended.	○	○	○	Applicants under (9) in “2. Eligible applicants” should submit a transcript issued by their current academic institution.
3 Official Certificate of Graduation, or Expected Graduation, issued by the last academic institution previously attended; Certificate of Degree Conferral, or Certificate of Expected Degree Conferral.	○	○	○	Applicants under (2) in “2. Eligible Applicants” should submit an Official Certificate of Degree (expected certificate) issued by the National Institution for Academic Degrees and Quality Enhancement of Higher Education.
4 Documents certifying that the applicant has academic skills equal to or greater than those of a college graduate.			○	Discretionary format. e.g., documents detailing international activities, work experience, or language learning experience; research papers; patent publications; certificates of qualification; recommendation letters from supervisors at schools previously attended.
5 Documents to be submitted to particular departments	○	○	○	Refer to “Documents to be Submitted to Particular Departments.”
6 Self-addressed envelope to receive the admission ticket for the entrance examination.	○	○	○	Prescribed. Write your name and mailing address on an envelope with a 362-yen stamp attached. If you change your address after applying, please notify the Graduate School Educational Affairs Section, Science and Life Science Administration Department, Hokkaido University.
7 Stickers for notification of the application results and for communication purposes.	○	○	○	Prescribed. Write your name and mailing address on each sticker. If you change your address after applying, please notify the Graduate School Educational Affairs Section, Science and Life Science Administration Department, Hokkaido University.
8 Recommendation letter(s) issued by a director or a university previously attended. (sealed up)	△	○	△	Discretionary format, A-4 size pages. ① Applicants under (9) in “2. Eligible Applicants” must submit these documents. ② Applicants under (1) - (8) or (10) in “2. Eligible Applicants” and who are applying for the Department of Mathematics, Condensed Matter Physics, or CosmoSciences may submit these documents (optional).

Documents		Applicants			Remarks
		(1)(2) (3)(4) (5)(6) (7)(8)	(9)	(10)	
9	Evidence of English proficiency. (original score sheets of TOEFL, TOEIC, IELTS).	○	○	○	<p>Acceptable score sheets are as follows:</p> <p>【Department of Mathematics】 (1) TOEIC Public Testing (The test must have been taken after April 2016) (2) TOEFL-iBT, TOEFL-PBT or TOEFL-ITP (The test must have been taken after April 2016) The copy of score sheets are disapproved. TOEIC-IP and TOEIC-Bridge are not accepted.</p> <p>【Department of Condensed Matter Physics】 (1) TOEIC Public Testing (The test must have been taken after July 2016) (2) TOEFL-iBT or TOEFL-PBT (The test must have been taken after July 2016) The copy of score sheets are disapproved. TOEFL-ITP, TOEIC-IP and TOEIC-Bridge are not accepted.</p> <p>【Department of CosmoSciences】 (1) TOEIC Public Testing (The test must have been taken after July 2016) (2) TOEFL-iBT or TOEFL-PBT (The test must have been taken after July 2016) (3) IELTS Academic Module (The test must have been taken after July 2016) The copy of score sheets are disapproved. TOEFL-ITP, TOEIC-IP and TOEIC-Bridge are not accepted.</p> <p>【Department of Natural History Sciences (Earth and Planetary Dynamics / Earth and Planetary System Science / Seismology and Volcanology)】 (1) TOEIC Public Testing 【only Listening & Reading Test】 (The test must have been taken after July 2016) (2) TOEFL-iBT or TOEFL-PBT (The test must have been taken after July 2016) The copy of score sheets are disapproved. TOEFL-ITP, TOEIC-IP and TOEIC-Bridge are not accepted.</p> <p>【 Department of Natural History Sciences (Biodiversity, Science Communication)】 (1) TOEIC Public Testing (The test must have been taken after July 2016) (2) TOEFL-iBT or TOEFL-PBT (The test must have been taken after July 2016) The copy of score sheets are disapproved. TOEFL-ITP, TOEIC-IP and TOEIC-Bridge are not accepted.</p> <p>Based on the application period, check the test schedule of TOEFL(iBT, PBT or ITP), TOEIC (only Public Testing) and IELTS Academic Module respectively.</p>

					Those who took an examination on this year's first selection (held on August 19, 20, and 21, 2018) or the fall special selection (held on November 7 and 8, 2018) and already submitted the score sheets are exempted from submitting them. If you apply to those, tick the appropriate box in the application document. (If you wish, you may submit new score sheets.)
10	Self-addressed envelope for notification of the pre-assessment results.		<input type="radio"/>	<input type="radio"/>	Write your name and mailing address on a standard envelope with an 82-yen stamp attached.

* Upon applying, those who cannot submit the score sheets of TOEFL etc. by the deadline should inform the Graduate School Educational Affairs Section, Science and Life Science Administration Department.

◎ Documents to be Submitted to Particular Departments

Department		Documents to be submitted	Remarks
Mathematics		1. Reasons for applying (prescribed). 2. Mathematics report and summary (prescribed form for summary).	1. Provide the reasons for applying to this department. 2. Summarize the research fields you have an interest, especially "proposition" or "theory" in more than 7pages less than 10 pages A4-size paper. On oral examinations, applicants are questioned about this report by interviewer. Also, write the outline of mathematics report in the prescribed form.
Condensed Matter Physics		1. List of preferred laboratories or fields (prescribed).	Write your first, second, and third choices of laboratories selected from the List of Supervisors and Research Fields.
Cosmosciences		1. List of preferred laboratories or fields (prescribed). 2. Cosmosciences report. (A-4 size discretionary format)	1. Write your first, second, and third choices of laboratories selected from the List of Supervisors and Research Fields. 2. Report in two pages or less (A4 size pages) on your graduation research theme or cosmoscience-related themes you are interested in.
Natural History Sciences	Earth and Planetary Dynamics Earth and Planetary System Science Seismology and Volcanology	1. List of preferred laboratories or fields (prescribed). 2. List of examination subjects (prescribed). 3. Statement of reasons (prescribed).	1. Write your first and second choices of groups, laboratories, or centers selected from the List of Supervisors and Research Fields. If you do not have a second choice, please leave the section blank. 2. Choose two specialized subjects among five (mathematics, physics, chemistry, earth science I, and earth science II) and circle them. No change is permitted after submitting the documents. 3. Applicants under (9) in "2. Eligible Applicants" must submit this statement of reasons. For example, documents detailing international activities, work experience, or language learning experience; research papers; patent publication; certificates of qualification; recommendation letters from supervisors at schools previously attended.
	Biodiversity	1. List of preferred supervisors (prescribed).	Write the names of the supervisors you select.
	Science Communication	1. List of preferred laboratories or fields (prescribed). 2. Reasons for applying (prescribed).	

6. Submission of Application Documents

To: Graduate School Educational Affairs Section
 Science and Life Science Administration Department
 Hokkaido University
 Kita-10 Nishi-8, Kita-ku, Sapporo 060-0810, Japan

If you send your application documents by mail, please indicate “Application for Graduate School Enclosed” in red on the envelope and send it by registered mail.

7. Entrance Examination Fee: 30,000 yen

(1) Japanese Government (MEXT) scholarship* students, students in the State-Sponsored Scholarship Program of the China Scholarship Council, and students having a Hokkaido University President’s Fellowship (including those who are expected to receive these scholarships) are not required to pay the examination fee.

* MEXT scholarship students recommended by universities other than Hokkaido University are required to submit a copy of a letter verifying that they have received this scholarship.

(2) Remit the examination fee to the bank account or post office account designated by this University, using the payment slip for the entrance examination fee which is enclosed with the application forms, and attach the payment certificate to the appropriate section on the application form.

(3) The examination fee is not refundable except in the following cases:

- The applicant has not submitted an application, or the application was rejected after the examination fee was remitted.
- The applicant paid the examination fee twice by mistake.

8. Screening Method

The Graduate School will assess applicants on the basis of their entrance examination (oral and written exams), official transcript, etc.

9. Date & Time of Examination (oral and written exams)

<Sapporo Site>

Date & Time of Examination: February 6 – February 7, 2019:

Department		February 6		February 7	
		AM	PM	AM	PM
Mathematics		Oral examination (9:00~)	Oral examination (13:00~)	/	/
Condensed Matter Physics		Oral examination (9:00~)	Oral examination (13:00~)	/	/
Cosmosciences		Oral examination (9:00~)	Oral examination (13:00~)	/	/
Natural History Sciences	Earth and Planetary Dynamics Earth and Planetary System Science Seismology and Volcanology	/	Specialized subjects (13:00~ 16:00)	Oral examination (9:00~)	/
	Biodiversity	/	Specialized subjects (13:00~ 16:00)	/	Oral examination (13:00~)
	Science Communication	Essays (11:10~ 12:40)	Oral examination (14:00~)	/	/

Notes

- ① Applicants for both Condensed Matter Physics and CosmoSciences are questioned about basic academic skills of specialized subject on oral examination.
- ② For the Divisions of Earth and Planetary Dynamics, Earth and Planetary System Science, and Seismology and Volcanology in the Department of Natural History Sciences, applicants must answer questions from two of five specialized subject areas: mathematics, physics (including optional questions on earth and planetary physics), chemistry (including optional questions on earth and planetary chemistry), earth science I (earth history, tectonics, and sedimentology), and earth science II (lithology, mineralogy, and volcanology).
- ③ For the Division of Biodiversity in the Department of Natural History Sciences, a list of keywords indicating the areas covered by the subject examination will be sent to applicants along with the admission ticket for the entrance examination. The list of keywords can also be obtained from the following website:
http://www.sci.hokudai.ac.jp/biodiversity_e/ (This list is written in Japanese.)
- ④ For essay examination of the Division of Science Communication in the Department of Natural History Sciences, applicants must select two of eight designated questions listed on the following website:
<http://sc.sci.hokudai.ac.jp/examination/thesis> (This list is written in Japanese.)

10. Announcement of Application Results

Successful applicants will be announced on the bulletin board on the ground floor of the Graduate School of Science (large lobby inside north entrance to Building 2) Hokkaido University, around 4:30 PM on February 14, 2019. All applicants will also receive the results by mail.

Also, the examinee's number will be posted on the Web site of the Graduate School of Science, Hokkaido University.

11. Procedures for Enrollment and Payment of Fees*

All successful applicants will be notified how to proceed with enrollment registration.

Enrollment Fee: 282,000 yen (estimated).

Tuition Fee: 267,900 yen.

[For the first semester. Total annual tuition fee = 535,800 yen] (estimated).

* Tuition fees are subject to revision at the time of or during your enrollment. In the event of a revision, the revised amounts are immediately applied.

12. Precautions

- (1) Make sure to bring your admission ticket for the entrance examination on the day of examination.
- (2) Changes by applicants in the department to which they apply are not accepted for any reason.
- (3) Please consult with the Graduate School Educational Affairs Section in advance if you have physical difficulties in taking the examination.

13. Long-term Graduate System

The Long-term Graduate System is an option in the Graduate School of Science. If you wish to take advantage of this system, please apply after referring to "Information on the Long-term Graduate System".

14. Other Information

The admission ticket for the entrance examination will be sent to all applicants around January 18, 2019.

If you have any questions regarding the application procedure, please contact the following:

Graduate School Educational Affairs Section
Science and Life Science Administration Department
Hokkaido University
Kita-10 Nishi-8 Kita-ku, Sapporo 060-0810, Japan
E-mail: r-gakuin@sci.hokudai.ac.jp
Graduate School of Science, Hokkaido University
<http://www.sci.hokudai.ac.jp/graduateschool/en/>

Information on the Long-term Graduate System

1. Aims of the Long-term Graduate System

Under the Long-term Graduate System, a student can request an individual review by the graduate school and be accepted to complete a course in a planned manner within a period longer than the regular course term (2 years), for certain reasons such as responsibilities of work, or child and family care.

2. Intended Students

Applicants fulfilling one of the criteria below, who want to set a period of study in advance longer than the regular course term to complete an academic (research) course.

- (1) Have a full-time job in a public office or company (excluding people who are exempt from job duty but receive a salary), or are self-employed.
- (2) Have a part-time job that makes it stressful to engage in full-time academic work.
- (3) Are taking care of children or other family members, which makes it stressful to engage in full-time academic work.
- (4) Are visually impaired, hearing impaired, physically handicapped or other disorder, which are deemed to have serious effects on study over the long term due to the obstacles.

3. Attendance Period

The attendance period for the Long-term Graduate System is up to 4 years, and a student can apply for the system by the year.

Once the application is accepted, the student can attend school for up to the accepted period, with the possibility of an additional 2 years.

Students can also take a temporary leave of absence from school for up to 2 years.

4. Procedures for Applying for Long-term Graduate Status

(1) Application Period

Please submit complete application documents for the Long-term Graduate System and for the entrance examination together.

(2) Required Documents

- ① Application Form for Long-term Graduate System (Form 1).
- ② Research Plan Under Long-term Graduate System (Form 2).
- ③ Documents that prove that an applicant needs to complete an academic course under the Long-term Graduate System (discretionary format).

(3) Announcement of Application Results

The Graduate School individually assesses each application for Long-term Graduate Status, and will notify the results to all the successful applicants of the entrance examination.

5. Annual Tuition Fee

The annual tuition fee is determined by the calculation below for every year of the term.

$$\begin{array}{l} \text{Annual tuition fee as} \\ \text{a Long-term Graduate} \\ \text{Student} \end{array} = \begin{array}{l} \text{Annual tuition fee for} \\ \text{his/her attending year} \end{array} \times \frac{\text{Regular course term (2 years)}}{\text{Period of his/her accepted Long-} \\ \text{term Course (years)}} \end{array}$$

6. Other Information

For the details regarding the Long-term Graduate System, please contact the Graduate School Educational Affairs Section, Science and Life Science Administration Department, Hokkaido University.