

**Academic Year 2019**

**Division of Life Science  
Division of Soft Matter  
Graduate School of Life Science  
Hokkaido University**

**Master's Course**

(Former Period of Doctoral Program)

**First Selection of 2019**

**Guidelines for Application for the  
Entrance Examination**

For enrollment October 2018 or April 2019

**(Admission for International Students Residing in Japan)**

**June 2018**

## Schedule for Entrance Examination Graduate School of Life Science 2019

Division of Life Science / Division of Soft Matter : Master's Course (Former Period of Doctoral Program)

| Master Course          | Open Division and Course  | Examination Date                     |
|------------------------|---|--------------------------------------|
| First Selection        | Division of Life Science<br>- Transdisciplinary Life Science Course, Biosystems Science Course, Biomedical and Pharmaceutical Science Course<br>Division of Soft Matter | August 22 – 23, 2018                 |
| Fall Special Selection | *This selection will be conducted only if the admission capacity does not reach the maximum number allotted for each division and course in the First Selection.        | October 23 – 24, 2018<br>(tentative) |
| Second Selection       | Division of Life Science (Tentative)<br>- Transdisciplinary Life Science Course, Biosystems Science Course<br>Division of Soft Matter (Tentative)                       | January 16 – 17, 2019<br>(tentative) |

\* It will be announced on the web site in early September whether the fall special selection is carried out or not.

\* The guidelines for the second selection will be issued in November and announced on the website.

\* If you wish to work with a particular supervisor or in a specified laboratory, please apply for the first selection.

The capacity of students for each supervisor and laboratory is limited. Therefore, applicants may be assigned to a laboratory (other than the one they chose) in the same division if the fixed number is exceeded.

## **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, Alumni Association of the Faculty of Pharmaceutical Sciences and Alumni Association Elm of Hokkaido University under safety measure.

## Admission Policy of Graduate School of Life Science

The Graduate School of Life Science provides students with the training that allows them to acquire an interdisciplinary knowledge of advanced life science, from the level of molecules to organisms. We provide comprehensive education with participation by instructors specialized in fields in the basic and applied life sciences, science, pharmaceutical science, medicine, and agriculture.

### <Division of Life Science>

The educational goal of training in the Division of Life Science is to enable students to comprehensively understand various living phenomena through biomolecular interactions, and to apply their knowledge and techniques in real life. On these principles and aims, we seek:

1. Students having a strong intention to study not only basic life science but also the primary level of applied life science, as in medicine, pharmaceutical science, veterinary medicine, agriculture, fisheries science and biotechnology, and willing to acquire advanced analytical techniques and broad, in-depth knowledge of life science.
2. Students having technical capabilities for advanced scientific research and having a strong intention to become a research professional in private firms, national or local governments.

### <Division of Soft Matter>

The Division of Soft Matter seeks students who desire to be capable of integrating material science and a wide range of life science and developing soft matter science, understanding the structure and function of living matter from the viewpoint of material science, designing and constructing advanced soft matter and applying those findings to other fields.

The Division especially seeks following students.

1. Students who wish to learn basic physics, chemistry and biology and to develop analytical and manufacturing techniques in the field of soft matter.
2. Students who wish to acquire technical capabilities for advanced scientific research and to have a strong intention to become educators, researchers or research professional in private firms.

## General Category

### 1. Admission Quota

| Division and Course  | Admission Quota |
|--|-----------------|
| Division of Life Science<br>Transdisciplinary Life Science Course<br>Biosystems Science Course<br>Biomedical and Pharmaceutical Science Course | 116 students    |
| Division of Soft Matter  | 16 students     |

### 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 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.

\* Applicants who wish to enroll in October 2018 must indicate this by choosing “October 2018 enrollment” on online application registration screen.

### **3. Pre-assessment of Applicants’ Qualifications**

#### **Application Period for Pre-assessment: June 25 – June 27, 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 July 5, 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 July 23, 2018. 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: July 17 – July 23, 2018**

#### **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)<br>(3)(4)<br>(5)(6)<br>(7)(8) | (9) | (10) |   |
| 1         | Application Form, Resume, Admission Ticket and Photo Card. | ○                                    | ○   | ○    | Prescribed.<br>Applicants who have completed a distant learning course offered by an overseas educational institution or an overseas school education course are required to attach <b>Resume B</b> . |

| Documents |  | Applicants                           |     |      | Remarks   |
|-----------|--|--------------------------------------|-----|------|---|
|           |  | (1)(2)<br>(3)(4)<br>(5)(6)<br>(7)(8) | (9) | (10) |   |
| 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) issued by the National Institution for Academic Degrees and University Evaluation (NIAD-UE).  |
| 4         | Documents certifying that the applicant has academic skills equal to or greater than those of a college graduate.  |                                      |     | ○    | Discretionary format.<br>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         | List of preferred supervisors.   | ○                                    | ○   | ○    | Prescribed.<br><b>Directly contact supervisors you prefer in advance.</b>   |
| 6         | Self-addressed envelope to receive the admission ticket for the entrance examination.  | ○                                    | ○   | ○    | Prescribed.<br>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.<br>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 | Evidence of English proficiency.<br>(the original score sheets of TOEFL, TOEIC). | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <p>On applying, applicants must submit either following English score sheets ① or ②. The test must have been taken after July 2016.</p> <p>In case applicants cannot submit the score sheets during application period, please note that English evaluation is treated as no score.</p> <p>①.TOEFL-iBT, or TOEFL-ITP</p> <p>1) TOEFL-iBT<br/>Submit Examinee Score Report mailed to examinees from American ETS.<br/>The printed- out score sheets on web site are not accepted.</p> <p>2)TOEFL-ITP<br/>Submit original Individual Score Card (photocopies of the score sheets are not accepted).</p> <p>②.TOEIC Public Testing<br/>Submit Official Score Certificate. The printed-out score certificates on a web site are not acceptable.</p> <p>Please note that other than the above scores are not evaluated.</p> |
| 9 | 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.

© Required documents by course [Prescribed: Attachment 1]

|  |                                |  |
|--|--------------------------------|--|
| <p>Division of Life Science<br/>(Transdisciplinary Life<br/>Science Course)</p> <p>Division of Soft Matter</p> | <p>Summary of<br/>Research</p> | <p>Summarize “Graduation thesis of University” or “Proposed research in Hokkaido University” in one page A4-sized paper (Form 1) containing no fewer than 800 words, nor more than 1,200 words. Write applicant’s name and title, and divide text into each item such as outline, aim etc. On oral examinations, applicants will be questioned about two items with referring admission policy: (A) General inquiries about the reason for applying and the research aspiration (B) The basic knowledge and the academic skills related to research summary submitted.</p> |
|--|--------------------------------|--|

## 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 (written and oral exams), TOEFL-iBT or TOEFL-ITP or TOEIC Public Testing scores and the applicants’ transcripts.

### Examination

English: applicants are evaluated based on TOEFL-iBT or TOEFL-ITP or TOEIC Public Testing scores.

Specialized subjects: applicants must answer questions of the course they applied for.

Please refer to the website for the scope of the exam.

[1] Applicants who apply for the Division of Life Science (Transdisciplinary Life Science Course) and the Division of Soft Matter are exempted from taking the written examination.

[2] Applicants who apply for the Division of Life Science (Transdisciplinary Life Science Course) and the Division of Soft Matter are required to take two kinds of oral examinations: (A) general questions of the reason for applying and the research aspiration etc. (B) explanation of research outline submitted, and basic knowledge and academic skills related to the content.

[3] Applicants who apply for the Division of Life Science (Transdisciplinary Life Science Course) and the Division of Soft Matter might be exempted from one of the oral examinations “(B) explanation of research outline submitted, and basic knowledge and academic skills related to the content” depending on the “Transcripts” submitted. (Applicants who are exempt from taking the examination will be notified by mail with the admission ticket for the entrance examination).

#### [4] Submission of English Scores

On applying, applicants must submit either following English score sheets ①TOEFL (iBT or ITP) or ② TOEIC Public Testing scores. The test must have been taken after July 2016. In case applicants can not submit the score sheets by deadline, please note that applicants are regarded as no holder of English scores.

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.

### 9. Date & Time of Examination

**Date & Time of Examination: August 22 – August 23, 2018**

| Date<br>Time   | August 22                              |  | August 23                  |                            |
|--|--|--|----------------------------|----------------------------|
|  | AM                                     | PM                                     | AM                         | PM                         |
| <b>Division of Life Science<br/>(Transdisciplinary Life<br/>Science Course)</b>            | Oral examination<br>(A)(B)             | Oral examination<br>(A)(B)             | Oral examination<br>(A)(B) | Oral examination<br>(A)(B) |
| <b>Division of Life Science<br/>(Biosystems Science<br/>Course)</b>                        |  | Specialized<br>subjects<br>examination |                            |                            |
| <b>Division of Life Science<br/>(Biomedical and<br/>Pharmaceutical Science<br/>Course)</b> | Specialized<br>subjects<br>examination |  | Oral examination           | Oral examination           |
| <b>Division of Soft Matter</b>   | Oral examination<br>(A)(B)             | Oral examination<br>(A)(B)             | Oral examination<br>(A)(B) | Oral examination<br>(A)(B) |

\* The Graduate School will send applicants detailed information on the entrance examination.

\* Application to more than one division/course is not acceptable.

### 10. Announcement of Application Results

Successful applicants will be announced on the bulletin board on the ground floor of the Faculty of Science (large lobby inside north entrance to Building 2) and in the entrance hall in the Faculty of Pharmaceutical Science, Hokkaido University, around 4:30 PM on September 4, 2018. 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 Life 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 and 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) 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 Life 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 August 7, 2018.

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

|  |
|--|
| <p><b>Graduate School Educational Affairs Section</b><br/>Science and Life Science Administration Department<br/>Hokkaido University<br/>Kita-10 Nishi-8 Kita-ku, Sapporo 060-0810, Japan<br/>E-mail: <a href="mailto:r-gakuin@sci.hokudai.ac.jp">r-gakuin@sci.hokudai.ac.jp</a><br/><b>Graduate School of Life Science, Hokkaido University</b><br/><a href="http://www.lfsci.hokudai.ac.jp/en/">http://www.lfsci.hokudai.ac.jp/en/</a></p> |
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## 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 and request for application documents, please contact the Graduate School Educational Affairs Section, Science and Life Science Administration Department, Hokkaido University.