

**Academic Year 2021**

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

**Master's Course**

(Former Period of Doctoral Program)

**Fall Special Selection**

**Application Guidelines for the  
Entrance Examination**

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

**September 2020**

## Important Notice

In order to prevent the spread of COVID-19, the examination may be conducted in a different way from the description on this guideline, or it will be postponed/cancelled.

## Schedule for Entrance Examination Graduate School of Life Science 2021

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

Master Course	Open Division and Course	Examination Date
Fall Special Selection	Division of Life Science Transdisciplinary Life Science Course, Biosystems Science Course, Biomedical and Pharmaceutical Science Course  Division of Soft Matter	October 22– 23 2020
Second Selection	Division of Life Science (tentative) Transdisciplinary Life Science Course, Biosystems Science Course Division of Soft Matter (tentative)	January 13– 14 2021 (tentative)

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

## **Personal Information Management by Hokkaido University**

- (1) In handling personal information obtained from applicants, Hokkaido University makes every effort to protect this information through appropriate management based on the “National University Corporation Hokkaido University Personal Information Management Rules” 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 by the University to engage in the relevant operations (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 duties.
- (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 (Enrollment April 2021)
Division of Life Science Transdisciplinary Life Science Course Biosystems Science Course Biomedical and Pharmaceutical Science Course	About 20 students
Division of Soft Matter	A few students

\* Please note that there are some fields in the Biomedical and Pharmaceutical Science Course that will not conduct fall selection. (Refer to the Supervisor List)

### 2. Eligibility

**Applicants must fulfill one of the following criteria.**

- (1) Graduated or are expected graduated from a college, prior to admission.
- (2) Received or are expected to receive a bachelor's degree prior to admission to the Graduate School in accordance with Article 104, Clause 7, of the School Education Act (Act No. 26 of 1947).
- (3) Completed or are expected to complete 16 years of school education outside Japan, prior to admission.
- (4) Completed or are expected to complete 16 years of school education of a foreign country through a distance-learning course offered by a school of that country while living in Japan, prior to admission.
- (5) Completed or are expected to complete education at an institution established in Japan that is recognized by the school education system of a foreign country as an equivalent to a university of that country (limited to individuals who are recognized as having completed 16 years of school education in that country) and that is designated by the Minister of Education, Culture, Sports, Science, and Technology (MEXT), prior to

admission.

- (6) Received or are expected to receive a degree equivalent to the bachelor's degree from a university or school outside Japan (limited to the university or school which has received evaluation from the person who is authorized by the government of that country or the relevant agencies regarding the overall performance of its education and research activities, or which has been separately designated by MEXT as equivalent to the aforementioned) by completing a program that require three years or more of course work (including the case of completing a distance-learning course offered by a school of that country while living in Japan, and the case of completing a study at the institution recognized by the school education system of that country and designated by MEXT as referred to in (5)).
- (7) Completed or are expected to complete a specialist training course at a vocational school (limited to a course with a period of four years or more and that satisfies the conditions set by the MEXT) that is designated separately by the MEXT after the date set by the MEXT.
- (8) Have been designated by the MEXT (February 7, 1953 Ministry of Education Notification No. 5).
- (9) Have attended a university for three years or more or completed 15 years of school education outside Japan (including the case of completing a distance-learning course offered by a school of that country while living in Japan), and are recognized by the Graduate School of Life Science as having earned the required number of credits with an excellent academic record.
- (10) Are recognized as having an academic aptitude equivalent or superior to the university graduates through the screening for entrance eligibility conducted by the Graduate School of Life Science, and have reached the age of 22.

### 3. Pre-assessment of Qualification

#### **Application Period for Pre-assessment: September 15 – September 16, 2020**

The Pre-assessment of Qualifications is held prior to the application period for the entrance examination. Applicants who fall under (9) or (10) in “2. Eligible Applicants” must go through this by submitting “5. Application Documents” during the period described above. To receive the result, please enclose a self-addressed envelope with an 84-yen stamp affixed.

Applicants who apply for the Pre-assessment of Qualifications should not pay the entrance examination fee at the time of the pre-assessment. They should pay the entrance examination fee in accordance with the notes below. Application documents must be sent by mail and must be received by the deadline.

Notes:

The pre-assessment application results will be sent to applicants around September 24, 2020, by mail; once their qualifications have been accepted by the pre-assessment, applicants must pay the examination fee, in accordance with “7. Entrance Examination Fee,” and submit the payment certificate by September 29, 2020. 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.

Students who will receive the Japanese Government (MEXT) scholarship, the State-Sponsored Scholarship Program of the China Scholarship Council or the 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: September 24 – September 29, 2020**

#### **Applicants who fall under (1) – (8) in “2. Eligibility”**

Submit the completed application documents (see “5. Application Documents”) together with the payment certificate (E) (see “7. Entrance Examination Fee”) during the application period.

Application documents must be sent by mail and must be received by the deadline.

## 5. Application Documents

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

\* In the following table, “○” indicates documents that must be submitted by all applicants, while “△” indicates documents that must be submitted by those who meet the definition in the “Remarks” .

Documents	Applicants			Remarks
	(1)(2) (3)(4) (5)(6) (7)(8)	(9)	(10)	
1 Application Form, Resume, Admission Ticket and Photo Card.	○	○	○	[Specified form] Applicants who have completed a school education outside Japan or a distance-learning course offered by a foreign educational institution must fill out Resume B.
2 Official Transcript issued by the last university or similar institution	○	○	○	Applicants under (9) in “2. Eligibility” must submit a transcript issued by their current academic institution.
3 Official Certificate of Graduation (or expected graduation) or Degree Conferral (or expected degree conferral) issued by the last university or similar institution	○	△	○	<p>① An Official Certificate must be issued by the Head of the last university or similar institution previously attended. (Degree information should be contained if you have already graduated.)</p> <p>◎ Applicants who graduated or are expected to graduate a university or a similar institution in China (except Hong Kong and Macao) must submit the following document along with an official certificate of (expected) graduation.</p> <p>Applicants who; -Graduated ... (a) Online Verification Report of Higher Education Qualification Certificate (教育部学历证书电子注册备案表) -Are expected to graduate ... (a) Online Verification Report of Student Record (教育部学籍在线验证报告)</p> <p>Document (a) can be obtained from the China Credentials Verification (中国高等教育学历证书查询 <a href="http://www.chsi.com.cn/xlcx/bgys.jsp">http://www.chsi.com.cn/xlcx/bgys.jsp</a>) Please make sure the web authentication should be valid at least 15 days at the time of submission.</p> <p>② Applicants under (2) in “2. Eligibility” must submit an Official Certificate of Degree (expected) issued by the National Institution for Academic Degrees and Quality Enhancement of Higher Education (NIAD-QE).</p>
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 List of preferred supervisors.	○	○	○	[Specified form] <b>Directly contact supervisors you prefer in advance.</b>
6 Self-addressed envelope to receive the admission ticket for the entrance examination.	○	○	○	[Specified envelope] Write your name, mailing address and postal code on an envelope with a 430-yen stamp attached. If you need to change your address afterwards, notify the Graduate School Educational Affairs Section immediately.
7 Stickers to receive application results and to be used for communication purposes	○	○	○	[Specified sticker] Write your name, mailing address and postal code on each sticker. If you need to change your address afterwards, notify the Graduate School Educational Affairs Section immediately.

Documents		Applicants			Remarks
		(1)(2) (3)(4) (5)(6) (7)(8)	(9)	(10)	
8	Evidence of English proficiency. (E.g. the original score sheets of TOEFL, TOEIC).	<p><b>【Transdisciplinary Life Science Course and Division of Soft Matter】</b> In case applicants cannot submit any evidence of English proficiency during application period, please note that “Oral Examination of English proficiency based on evidence of English proficiency” is treated as no score.</p> <p><b>【Biosystems Science Course】</b> In case applicants cannot submit any evidence of English proficiency during application period, please note that “English” is treated as no score.</p>			<p><b>【Transdisciplinary Life Science Course, Biosystems Science Course and Division of Soft Matter】</b> a) On applying, applicants must submit either following English score sheets ① or ②. The test must have been taken after July 2018.</p> <p>①.TOEFL-iBT, or TOEFL-ITP 1) TOEFL-iBT Submit original Examinee Score Report mailed to examinees from American ETS. (*See the note below) 2) TOEFL-ITP Submit original Individual Score Card. (*See the note below)</p> <p>②.TOEIC Public Testing Submit original Official Score Certificate. (*See the note below)</p> <p>b) Those who cannot submit a) must submit score sheets of the test which have been taken before July 2018. c) Those who cannot submit neither a) nor b) must submit other official certificate of English proficiency. d) Those who cannot submit a) – c) must submit a self-assessment sheet about their English proficiency. (Discretionary format, around 200 words)</p> <p>Those who took an examination on the first selection (held on August 31 and September 1, 2020) and already submitted the score sheets or English Proficiency Certificate are exempted from submitting them. If you apply to those, check the appropriate box in the application document. (If you wish, you may submit new score sheets or new English Proficiency Certificate.)</p> <p><b>【Biomedical and Pharmaceutical Science Course】</b> Evidence of English proficiency is not required to submit.</p>
9	Self-addressed envelope for notification of the pre-assessment results.		<input type="radio"/>	<input type="radio"/>	Write your name, mailing address and postal code on a standard envelope with an 84-yen stamp attached.

\* [Important] Submission of the English Proficiency Certificate (a), b) scoresheet, c) certificate)  
Submission of the English proficiency scoresheet/certificate during the application period is final. No additional scoresheets nor certificates will be accepted to replace the original submission.  
A printed version of the proficiency test results, available online is acceptable for the application if a hardcopy of the original scoresheet can be submitted in person or by postage by October 21, 2020.  
If a hardcopy of the original scoresheet is not submitted by October 21, 2020, “the result of Oral Examination of English proficiency based on the evidence of English proficiency (Transdisciplinary Life Science Course and Division of Soft Matter)” and “English (Biosystems Science Course)” will be considered invalid and regarded as a score of zero. In this case, the entrance examination fee will not be refunded.

© Documents specified by course

<p>Division of Life Science (Transdisciplinary Life Science Course)</p> <p>Division of Soft Matter</p>	<p>Summary of Research</p>	<p>Summarize “Graduation thesis of University” or “Proposed research in Hokkaido University” in one page A4-sized paper (use Form 1 as a reference) containing (a) no fewer than 800 words, nor more than 1,200 words in Japanese, or (b) no fewer than 400 words, nor more than 600 words in English. Write applicant’s name and title, and divide text into each item such as outline, aim etc. Any form is acceptable as long as it contains the contents of Form 1. It is highly recommended that applicants create a sheet by computer and print it out. 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>
<p>Division of Life Science (Biosystems Science Course)</p>	<p>Essays</p>	<p>1. Applicants for the Division of Life Science (Biosystems Science Course,) should submit an essay for each of the following two subjects:            (1) Reasons for applying (no fewer than 200 words, nor more than 400 words in Japanese, or no fewer than 100 words, nor more than 200 words in English)            (2) Previous study (outline of graduation research or similar research) (no fewer than 800 words, nor more than 1,000 words in Japanese, or no fewer than 400 words, nor more than 500 words in English)            2. Useful information.            (1) Essays can be submitted in either English or Japanese.            (2) Illustration and tables can be included.            (3) The use of a computer word processor is recommended.            3. Form and Format.            (1) Use the proscribed form for essays.                Please provide necessary information on the prescribed form. It is acceptable to another sheet over the appropriate section of the prescribed form.            (2) Using separate sheets for essays.                Please provide necessary information on the prescribed form, but attach extra A4-size sheets if necessary (Write the course you wish to apply for and your full name on these sheets.).</p>
<p>Division of Life Science (Biomedical and Pharmaceutical Science Course)</p>	<p>Essays</p>	<p>1. Applicants for the Division of Life Science (Biomedical and Pharmaceutical Science Course) should submit an essay for each of the following two subjects:            (1) Reasons for applying (no fewer than 200 words, nor more than 400 words in Japanese, or no fewer than 100 words, nor more than 200 words in English)            (2) Previous study (research summary) (no fewer than 400 words, nor more than 500 words in English)            2. Useful information.            (1) Previous study (research summary) must be submitted in English.            (2) Illustration and tables can be included.            (3) The use of a computer word processor is recommended.            3. Form and Format.            (1) Use the proscribed form for essays.                Please provide necessary information on the prescribed form. It is acceptable to another sheet over the appropriate section of the prescribed form.            (2) Using separate sheets for essays.                Please provide necessary information on the prescribed form, but attach extra A4-size sheets if necessary (Write the course you wish to apply for and your full name on these sheets.).</p>

## 6. Where to Submit

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

Application documents must be sent by mail. Please mark “Application for Graduate School Enclosed” in red on the envelope and send it by express registered mail.

## 7. Entrance Examination Fee: 30,000 yen

- (1) Students who will receive the Japanese Government (MEXT) scholarship, the State-Sponsored Scholarship Program of the China Scholarship Council or the 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 will receive this scholarship.
- (2) Remit the examination fee through a bank or a post office designated by this University, by using the payment slip for the entrance examination fee which is enclosed in the application package, 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 decided not to submit an application after the examination fee was remitted, or the application was not accepted.
  - The applicant paid the examination fee twice by mistake.

## 8. Screening Method

<Division of Life Science (Transdisciplinary Life Science Course) and Division of Soft Matter>

### ① Oral Examination

In this examination, applicants 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 and English proficiency based on an evidence of English proficiency.

### ② Oral Examination Scoring and Specific Evaluation Criteria

The graduate school will assess applicants on the basis of their basic knowledge, motivation for conducting research, and potential research capability.

### ③ Selection Criteria

The graduate school will decide successful applicants on the basis of the oral examination and the submitted application documents.

<Division of Life Science (Biosystems Science Course)>

- ① Assessment of English Score  
Assessment of the English proficiency based on Document 8-a) or b). Those who cannot submit neither a) nor b), the graduate school will assess applicants based on Documents 8-c) or d) and ② Oral Examination below.
- ② Oral Examination  
In this examination, applicants are questioned on their specialized scientific knowledge, general scientific knowledge, and research motivation based upon their written essays [“1. Reason for applying” and “2. Previous study”].  
(To prevent the spread of COVID-19, Oral Examination will be held on online using the Internet Meeting System. Details are noticed applicants individually by email.)
- ③ Oral Examination Scoring and Specific Evaluation Criteria  
The graduate school will assess applicants on the basis of their basic knowledge, motivation for conducting research, and potential research capability.
- ④ Selection Criteria  
The graduate school will decide successful applicants on the basis of the assessment of English score, oral examination and the submitted application documents.

<Division of Life Science (Biomedical and Pharmaceutical Science Course)>

- ① Oral Examination  
In this examination, applicants are questioned on their specialized scientific knowledge, general scientific knowledge, and research motivation based upon their written essays [“1. Reason for applying” and “2. Previous study”].  
Applicants must give an oral presentation in English about their research summary. They are required to prepare a single slide (in English) in advance using PowerPoint or other software, save it on their computer (and USB memory stick as a backup), and bring them at the day of examination.  
The examination will take about 10 minutes in total. An oral presentation in English will take about 5 minutes including question and answer session.
- ② Oral Examination Scoring and Specific Evaluation Criteria  
The graduate school will assess applicants on the basis of their basic knowledge, motivation for conducting research, and potential research capability.
- ③ Selection Criteria  
The graduate school will decide successful applicants on the basis of the oral examination and the submitted application documents.

## 9. Date & Time of Examination

**Date & Time of Examination: October 22 – October 23, 2020**

\* The Graduate School will send applicants detailed information on the entrance examination such as time of examination, location and how to take oral examination online.

\* It is not allowed to apply to more than one Course/Division.

## 10. Announcement of Application Results

The examinees' number of successful applicants will be posted on the website of the Graduate School of Life Science, Hokkaido University, around 4:30 PM on November 5, 2020. All applicants are notified of the results by mail.

## 11. Procedures for Enrollment and Payment of Fees\*

All successful applicants are notified of the registration procedure at the time of notification of results.

Enrollment Fee: 282,000 yen (estimated).

Tuition Fee: 267,900 yen. for the first semester [Total annual tuition fee = 535,800 yen] (estimated).

\* If the tuition fee is revised during the period of your enrollment, the revised fee becomes effective immediately.

## 12. Important Notice

- (1) Make sure to bring your admission ticket on the day of examination and put it on your desk.
- (2) Please consult with the Graduate School Educational Affairs Section at the time of application if you have physical difficulties in taking the examination.

## 13. Extending the Period of Registration

It is possible to extend the standard years of study at the Graduate School of Life Science. Read “Extending the Period of Registration” on page 9, and submit an application if you wish to take advantage of this system.

## 14. Other Information

The admission ticket for the entrance examination will be sent to all applicants around October 8, 2020 to all applicants whose application document is accepted.

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

<p><b>Graduate School Educational Affairs Section</b> 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 <b>Graduate School of Life Science, Hokkaido University</b> <a href="https://www.lfsci.hokudai.ac.jp/en/">https://www.lfsci.hokudai.ac.jp/en/</a></p>
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## Extending the Period of Registration

### 1. Aims

When students under special circumstances such as having a job, etc. (including child and nursing care) have asked for an extension to complete the program for a period exceeding the standard years of study (2 years) with a scheduled plan of study, such scheduled study (hereinafter referred to as "Extended Period of Registration") may be approved after reviewing their application.

### 2. Intended Students

Students who fall under one of the criteria below and for that reason, wish to set the study period longer than the standard period to complete an academic (research) course:

- (1) Have a full-time job in a public office or company (excluding those who are exempt from job duty but receive a salary), or are self-employed;
- (2) Have a part-time job that has a significant influence on the full-time academic work;
- (3) Are taking care of children or other family members, which has a significant influence on the full-time academic work; or
- (4) Are visually impaired, hearing impaired, physically handicapped, etc., which are deemed to have a significant influence on the academic work for an extended period of time.

### 3. Attendance Period

The period approved for the Extended Period of Registration is up to 4 years for the master's degree program, and a student can apply for extension by the year. Students who have been approved of Extended Period of Registration may not continue their study beyond the period of adding two years to the Extended Period of Registration.

Students may take a temporary leave of absence from school for up to 2 years, the same as the students under the standard period of study.

### 4. Application Procedure

#### (1) Application Period

Please submit complete application documents for Extended Period of Registration and for the entrance examination together.

#### (2) Required Documents

- ① Application Form for Extended Period of Registration (Form 1)
- ② Research Plan Under Extended Period of Registration (Form 2)
- ③ Documents to prove that an applicant needs to apply for Extended Period of Registration (discretionary format).

#### (3) Announcement of Application Results

The Graduate School of Life Science reviews each application individually 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.

$$\text{Annual tuition fee for students approved to study for an extended period} = \text{Annual tuition fee for his/her attending year} \times \frac{\text{Regular course term (2 years)}}{\text{Number of years approved for extended study (years)}}$$

### 6. Other Information

For the details about Extended Period of Registration and request for application documents, please contact the Graduate School Educational Affairs Section, Science and Life Science Administration Department, Hokkaido University.