

**Academic Year 2023**

**Graduate School of Life Science**

**Hokkaido University**

**Division of Life Science**

**Division of Soft Matter**

**Master's Course**

(Former Period of Doctoral Program)

**Fall Selection**

**Application Guidelines for the**

**Entrance Examination**

(Admission for Integrated Science Program Students)

**September 2022**

## 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 guidelines, or it will be postponed/cancelled.

## **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.

### • Type of Students We Seek

#### <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 finding 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 manufactural 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.

### • What is Expected to be Learned Before Admission

1. Basic academic skills and knowledge in Life Sciences
2. Basic knowledge in each specialized field that is necessary to engage in research in the graduate school

### • Principle Selection Policy (Multiple-layered Evaluation Method)

#### 【Admission for ISP Students】

By oral examination, applicants will be evaluated their levels of “knowledge and skills”, “ability to think/judge/express”, “ability to work independently and cooperatively”, “comprehension”, “interest and motivation”, “ability to identify problems” and “ability to solve problems.”

The Graduate School of Life Science will assess applicants on the basis of their entrance examination and the application documents (such as a transcript).

### • Principle Selection Policy (Evaluation elements and their importance)

#### 【Master's Course】

Category of Entrance Examination	Evaluation Element	Key Academic Elements			Comprehension	Interest and motivation	Ability to identify problems	Ability to solve problems
		Knowledge and Skills	Ability to think, judge, and express	Learning Attitude (to take initiative, to cooperate with diverse people)				
Admission for Integrated Science Program (ISP) Students	Oral Examination	◎	◎	◎	◎	◎	◎	◎
	Application Documents	Comprehensively evaluated						

(Note) ◎··Key element we will give great importance on evaluation

## 1. Admission Quota

Division and Course	Admission Quota (Enrollment April 2023)
Division of Life Science Transdisciplinary Life Science Course Biosystems Science Course Biomedical and Pharmaceutical Science	A few students
Division of Soft Matter	A few students

## 2. Eligibility

Applicants who are currently studying at the Hokkaido University's Integrated Science Program and are expected to graduate in March 2023.

## 3. Application Period

**Application Period: September 28 (Wed.) – October 3 (Mon.), 2022**

Submit the completed application documents (see “4. Application Documents”).  
(The application must arrive within the Application Period by mail.)

## 4. Application Documents

Documents	Remarks
1 Application Form, Resume, Admission Ticket and Photo Card.	[Prescribed.]
2 Official Transcript issued by the current Undergraduate School	Transcript must contain grades up to the fall-winter semester of the fiscal year 2021.
3 Official Certificate of Expected Graduation issued by the current Undergraduate School	
4 List of preferred supervisors.	[Prescribed.] <b>Directly contact supervisors you prefer in advance.</b> <b>The prescribed form is available for download in the graduate school webpage.</b>
5 Self-addressed envelope to receive the admission ticket for the entrance examination.	[Prescribed.] Write your name, mailing address and postal code on an envelope with a 400-yen stamp attached. If you need to change your address afterwards, notify the Graduate School Educational Affairs Section immediately.
6 Stickers to receive application results and to be used for communication purposes	[Prescribed.] 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 specified by course [Prescribed.]

Division	Document to be submitted	Remarks
Division of Life Science (Transdisciplinary Life Science Course)  Division of Soft Matter	Summary of Research	Applicants for the Life Science (Transdisciplinary Life Science Course) and Division of Soft Matter must submit a summary of graduation research in current/previous university or proposed research in Hokkaido University. The summary should fit in a one-page A4-sized paper (use Form 1) and 400-600 words in English.  Illustrations and/or tables (black and white or colored) may be included in Form 1 and are not counted toward the word limit. Form 1 is available for download from the graduate school webpage. It is highly recommended that applicants create this form by computer and submit it as a hard copy.
Division of Life Science (Biosystems Science Course, Biomedical and Pharmaceutical Science Course)	Essays	① Applicants for the Division of Life Science (Biosystems Science Course and Biomedical and Pharmaceutical Science Course) must 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) Outline of previous (graduate) study (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).

## 5. 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.

## 6. Entrance Examination Fee:

The examination fee is not required to pay.

## 7. Screening Method (Common in all division and courses)

<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 about the reason for applying and the research aspiration etc. (B) an explanation of the research outline submitted, and basic knowledge and academic skills related to the research outline.

### ② Selection Criteria

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

<Division of Life Science (Biosystems 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 (graduate) study"].

② Selection Criteria

The graduate school will decide on successful applicants by a comprehensive assessment of the results of the oral examination and the submitted application documents.

\*Oral Examination will be held on online using the Internet Meeting System. Details are noticed applicants individually by email.

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

① Oral Examination

In this examination, examiners will question about their specialized scientific knowledge, general scientific knowledge, and research motivation described in the submitted essays ["1. Reason for applying" and "2. Previous (graduate) study"].

② Selection Criteria

The graduate school will decide on successful applicants by a comprehensive assessment of the results of the oral examination and the submitted application documents.

## 8. Date of Examination

**Date: October 26 (Wed.) or October 27 (Thu.), 2022**

\* 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.

## 9. 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 Thursday, November 10, 2022. All applicants are notified of the results by mail.

## 10. 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: Not required.

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.

\* Detailed information on ISP scholarship will be notified separately.

## 11. 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.

## 12. Other Information

The admission ticket for the entrance examination will be sent to all applicants around Wednesday, October 12, 2022, to all applicants whose application document is accepted.

**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  
Tel: (011) 706-3675

**Graduate School of Life Science, Hokkaido University**  
<https://www.lfsci.hokudai.ac.jp/en/>