

2020 Academic Year

Tohoku University Graduate School of
Pharmaceutical Sciences
Doctoral Program (3years)

Student Recruitment Guidelines

(Special Selection Procedures for Foreign Students)

(April 2020 Enrollment)

Applicants who are expected to complete the doctoral program (first 2years) at the Graduate School of Pharmaceutical Sciences in March 2020 will be selected in accordance with the Program for Students Advancing from Master's Program of this Graduate School, which are specified separately.

September 2019

Admission Policy

The Graduate School of Pharmaceutical Sciences offers research and education in areas such as the discovery of new drugs and pharmacologically active substances, the exploration of a disease's molecular mechanisms and the action mechanisms of the drugs against that disease and the development of new drug therapies and proper use of drugs for positive impacts on health maintenance and improvement and on disease treatment.

We invite applicants who are willing to gain advanced knowledge and skills in material sciences and life sciences to apply to Two-Year Master's Course in either Molecular Pharmaceutical Science or Life and Pharmaceutical Science. We invite applicants who have a keen interest in discovering new drugs and elucidating a disease's molecular mechanisms and who have the potential to contribute to society as a leader in the field of drug discovery science to apply to Three-Year Doctoral Course. To apply for admission based on recommendation (for Master's Course), applicants must have excellent academic achievements, and have a strong will to gain broad knowledge and skills in material sciences and life sciences and to become a leader in the area of drug discovery science.

The Doctoral Course (Pharmacy) in Clinical Pharmaceutical Science is designed to help students gain knowledge and skills in clinical pharmacy and other areas of pharmaceutical sciences to enable them to play a role in health care as experts in pharmaceuticals in the future. The Oncology Pharmacist Training Program is designed for students who plan to become specialized in cancer drug therapies. The Supergeneralist Pharmacist Training Program is designed for students who plan to become pharmaceutical experts in team-based health care as well as those who plan to gain advanced and leading-edge skills in pharmaceutical analysis to enable them to actively participate in pharmacotherapy. We invite applicants who are willing to gain advanced knowledge and skills in clinical pharmacy.

1. Majors and Number of Students Admitted

The major subjects of study offered and the numbers of students we admit are shown below.

Major	Major Subjects (Fields)	Number of Students Recruited
Molecular Medical Science	Medicinal Chemistry, Organometallic Chemistry, Synthetic Chemistry, Heterocyclic Chemistry, Molecular Transformation, Natural Products Chemistry, Biointerface Chemistry, Bio-Structural Chemistry, Radiopharmaceutical Chemistry, Molecular Imaging Pharmaceutical Science	A select number of students
Pharmaceutical Life Sciences	Pharmacology, Bio-Analytical Chemistry, Molecular and Cellular Biochemistry, Health Chemistry, Molecular Biology and Metabolism, Gene Regulation, Molecular Genetics, Clinical Pharmacology and Therapeutics, Oncology Pharmacy Practice and Science, Pharmacotherapy of Life-Style Related Diseases, Applied Pharmaceutical Sciences, Drug evaluation and regulatory science	

Notes:

Applicants must inquire in advance with the professor in their relevant field (major subject) about research plans and other details following admission (or inquire with an associate professor in their field in case the professor is absent). For Drug evaluation and regulatory science, please contact the Educational affairs section of the Faculty of Pharmaceutical Sciences & Faculty of Pharmaceutical Sciences.

2. Application Qualifications

The following may apply for the special selection procedure of international students. International students or those who have completed a course at a graduate school of a foreign university (excluding foreign students who are expected to complete a doctoral program (first two-year), master's program, or professional degree program [except for those of this graduate school] at a graduate school of Tohoku University) and fall under any of the categories listed below (including those for whom the conditions are expected to be applicable by the end of March 2020). **As a general rule, international students are initially admitted as Research Students, and after they have been part of the school for a certain period of time, they are eligible to apply for special selection. However, these stipulations do not apply for those who are currently enrolled in a master's program in Japan (in a science subject) or in specific cases recognized by this graduate school.**

- (1) Those with a master's degree or a professional degree
 - (2) Those who have received a degree equivalent to a master's degree or professional degree from the graduate school of a foreign university
 - (3) Those who have taken correspondence courses conducted by foreign universities in Japan and have been awarded a degree equivalent to a master's degree or professional degree
 - (4) Those who have completed a course at an educational facility positioned in the education system of a foreign country designated separately as foreign graduate school courses by Japan's Minister of Education, Culture, Sports, Science and Technology and who have been awarded a degree equivalent to a master's degree or professional degree
 - (5) Those who have completed a course at the United Nations University and have been awarded a degree equivalent to a master's degree
 - (6) Those who have completed a course at a foreign university, foreign educational facility with graduate courses, or the United Nations University, and who have passed the equivalent tests and examinations prescribed in Article 16-2 of the Standards for the Establishment of Graduate Schools (Ministry of Education Ordinance No. 28, 1974) and have been recognized as having academic ability equal to or higher than a person with a master's degree
 - (7) Those designated by the Minister of Education as follows (Ministry of Education Notification No. 118, 1989):
 - a) Those who have graduated from a university and engaged in research for two or more years at a university, research institute, etc., and who this graduate school recognizes as having at least the same academic ability as a person with a master's degree or a professional degree based on the results of that research
 - b) Those who, after completing a 16-year course of school education overseas or after completing a 16-year course of foreign school education by taking correspondence courses conducted by foreign schools in Japan, have been engaged in research for two or more years at a university or research institute and who this graduate school recognizes as having at least the same academic ability as a person with a master's degree or a professional degree based on the results of that research
 - (8) Those who hold a master's degree or a professional degree through individual entrance examination at this graduate school or an equivalent qualification
- Those who are recognized as having the academic qualifications specified above must be 24 years of age by the end of March 2020 in order to be eligible.

Note 1: Those who are expected to complete a master's degree program or a professional degree program (outside of this graduate school) in the doctoral program (first two-year) at a Tohoku University graduate

school and who wish to go on to the three-year doctoral program at this graduate school (including international students), please apply for a transfer entrance examination as detailed in these guidelines.

Note 2: Applicants with application qualification (6) should contact the Registrar of the Graduate School of Pharmaceutical Sciences & Faculty of Pharmaceutical Sciences by Thursday, October 15, 2019 for submissions.

Note 3: The decision about the applicants with application qualification (7) is made in advance; hence, these applicants will need to submit their Graduation Certificate and Certificate of Research Engagement and Summary of Research to Date from among the required documents listed below in Section 3 (1) of the application. Please submit these documents by post to the Educational affairs section of the Graduate School of Pharmaceutical Sciences & Faculty of Pharmaceutical Sciences by Thursday, October 15, 2019.

The result will be notified to the person in question by around Wednesday, November 20, 2019.

Note 4: Applicants with application qualification (8) will be subject to examination to qualify for admission and should contact the Educational affairs section of the Graduate School of Pharmaceutical Sciences & Faculty of Pharmaceutical Sciences by Thursday, October 15, 2019.

Note 5: If you require any additional consideration for health-related or other reasons in relation to taking exams or studying, please contact the Educational affairs section of the Graduate School of Pharmaceutical Sciences & Faculty of Pharmaceutical Sciences by Thursday, October 15, 2019.

3. Application Procedure

(1) Application Documents

Name of Document	Remarks
Application form	A form prescribed by the graduate school.
C.V.	A form prescribed by the graduate school.
Admission ticket for examination and photo card	A form prescribed by the graduate school.
Academic transcript	Issued by the principal of the university (or graduate school) from which the applicant graduated most recently.
Original copy of TOEFL® TEST or TOEIC® TEST score sheet (see note)	<p>The original copy of a TOEFL or TOEIC score sheet for a test that was taken within two years prior to the entrance examination date (tests taken on or after February 1, 2018 are valid). However, those who have graduated from science-related graduate schools are not required to submit this.</p> <p>Test results from the TOEFL iBT, the revised TOEFL Paper-delivered test, and the TOEIC open test are considered valid. We do not recognize the TOEFL ITP and TOEIC IP group exams. We also do not allow the substitution of the score sheet once it has been submitted.</p>

	<p>We usually do not return score sheets to applicants. However, we will specifically return TOEFL Test Taker Score Reports to applicants on the day of their examination if they request for it in their application.</p> <p>Note1: The DI code of the graduate school is “C212” when sending the score sheet for TOEFL to ETS. Be aware that it takes about two months from sending to return.</p> <p>Note2: In the graduate school, only the “Test Date scores” is used as the application score in the TOEFL iBT test. (Do not use “My Best™ scores”)</p> <p><Caution> We do not accept submissions of printouts of web pages (or similar documents) showing test scores.</p>
Master’s degree certificate or expected graduation certificate	Only applicants with application qualifications (1), (2), (3), (4), or (5) need to submit this.
Graduation certificate and research engagement certificate (variable formats are permissible)	Only applicants with application qualification (7) need to submit a certificate of graduation issued by the head of their university (or undergraduate faculty) and a certification of research conducted for two or more years at a research institute recognized by the graduate school.
Letter of prior approval from a professor in the applicant’s desired field	A form prescribed by the graduate school.
Examination permit (variable formats are permissible)	Produced by the head of the applicant’s institution. However, only those who are currently working and who will be enrolled while continuing to work should submit this.
Master’s dissertation abstract (approximately 2,000 words)	Only applicants with application qualifications (1), (2), (3), (4), or (5) need to submit this.
Summary of research to date	<p>Only applicants with application qualification (7) need to submit this.</p> <p>Written in Japanese or English.</p> <p>If written in Japanese, it should be around 2,000 words, and if written in English it should be around 1,000 words.</p>
Examination fee	<p>30,000 yen (if sending by mail, send it with an ordinary postal money order issued by the post office, and do not fill in the designated recipient field).</p> <p>Payment is not required for those who are expected to complete a master's program or a professional degree program or the first half of a doctoral program at this university in March 2020 as well as government-sponsored international students and those who have applied for an exemption from the application fee. Refer to the following website regarding exemption from the admission fee for disaster victims: (http://www.pharm.tohoku.ac.jp/entrance/annai_d.shtml)</p>
Copy of residency card	Only necessary for overseas residents of Japan. A residence qualification issued by the municipal mayor which specifies the period of stay.

Reply envelope	For sending the exam admission tickets, write the address (can only be sent within Japan) on a long-type no. 3 envelope (23.5 × 12 cm) and attach a 374-yen postage stamp (express delivery charge). (This is not necessary for applicants who collect their tickets in person from the university).
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Note: TOEFL, TOEFL iBT, TOEFL ITP and TOEIC are registered trademarks of Educational Testing Service (ETS).

(2) Application Procedure

Applicants should submit the application documents listed in (1) above to the Educational affairs section of the Graduate School of Pharmaceutical Sciences & Faculty of Pharmaceutical Sciences.

- a) The reception period for applications is from **January 6 (Monday) to January 10, 2020 (Friday)** and reception opening hours are from 9:00 to 16:30.
- b) Send applications by mail (by **registered post** and with “**Contains Application Documents**” written in **red ink** on the front of the envelope) to the address below:

Tohoku University, Registrar of the Graduate School of Pharmaceutical Sciences & Faculty of Pharmaceutical Sciences, 6-3, Aramaki-aza-Aoba, Aoba-ku, Sendai, Miyagi 980-8578

Applications **must arrive by Friday, January 10, 2020.**

4. Selection Procedure

- (1) The selection of applicants will be on the basis of the combined results of an academic aptitude test, a research presentation (15 minutes), interview questions (5 minutes), and the application documents. Students from science-related graduate schools are exempt from the academic aptitude test and from submitting the original copy of a TOEFL or TOEIC score sheet as described in the application documents in Section 3 (1) above.
- (2) The academic aptitude test will be conducted by writing answers in relation to specialized subjects. Questions will be given in English with Japanese written alongside. Additionally, answers will be given in English or Japanese unless otherwise indicated in the question.
Specialized subjects: Applicants should take the test for their desired major subject (field of study). (see Section 1: Table of Majors and Number of Students Recruited)
- (3) Research presentations when selecting new students will be conducted using an LCD projector. Applicants should bring a computer with a file for the presentation (created with PowerPoint or a similar program) and give a presentation on their past research and future research plans.

(4) The dates and times for the academic ability test and the interviews are as follows:

Date	Time	Examination Content
February 6 (Thursday)	10:00 – 11:30	Specialist subjects
	13:30 –	Research presentation and interview questions

(5) The test will be conducted at the Graduate School (6-3, Aramaki-aza-Aoba, Aoba-ku, Sendai, Miyagi).

5. Announcement of Successful Applicants

The results will be announced on the Graduate School Bulletin Board **at 17:00 on Wednesday, February 19, 2020**. Additionally, the examination numbers of successful applicants will be posted on the graduate school's website (<http://www.pharm.tohoku.ac.jp>).

Candidates will also be notified about the selection results. We will not respond to any pass / fail inquiry.

6. Admission Procedure

(1) Admission-Related Documents

These will be sent to successful applicants with the notification indicating their selection.

(2) Necessary Expenses for Admission

Admission fee: 282,000 yen (proposed amount) (Payment period: during (1) admission procedure period described above)

Tuition fee: Half-year, 267,900 yen (yearly amount 535,800 yen) (proposed amount)

Note 1: Tuition fees are automatically deducted from the specified account. Additionally, the amount of payment indicated above is a proposed amount; if the payment amount is revised, the new payment amount will be applied starting from the time of the revision.

Note 2: We will inform successful applicants about their admission fee and tuition fee exemptions, deferred payments, etc. in the admission procedure documents.

Note 3: Successful applicants who fall under Note 1 in the application qualifications section do not need to pay the admission fee (i.e. they are treated as though they are continuing students).

7. About the Graduate School of Pharmaceutical Science International Graduate Course

We have set up the Graduate School of Pharmaceutical Science International Graduate Course, which allows the doctoral program (3years) students to obtain a degree through classes and research guidance in English. All applicants admitted through the special selection procedure for international

students will be assigned to this course.

See the Tohoku University Graduate School of Pharmaceutical Sciences website (http://www.pharm.tohoku.ac.jp/entrance/kokusai_d.shtml) for details on the Graduate School of Pharmaceutical Science International Graduate Course.

8. System for Long-Term Study

If students have special circumstances (for example, if you currently have a job, are pregnant, have childcare or nursing care-related needs), there is a system for long-term study that allows them to submit a study plan that exceeds the standard study period at the time of admission and, thus, allows them to complete the course. Those who wish to apply for this should contact the Educational affairs section of the Graduate School of Pharmaceutical Sciences & Faculty of Pharmaceutical Sciences.

9. Regarding the Handling of Personal Information

- (1) The personal information held by the University will be strictly handled in accordance with the “Regulations on Protection of Personal Information at National University Corporation Tohoku University”, in compliance with laws and regulations such as the Law on the Protection of Personal Information Held by Independent Administrative Corporations. We make every effort to protect personal information.
- (2) Personal information such as the examination results used for the selection of students is used for the purpose of education and in relation to tuition fee collection as well as for the selection of students, admission procedures, follow-up surveys, and student support relations after admission (scholarship, tuition fee exemption, health management, etc.).
- (3) Entrance examination and academic affairs related work may be performed by a contractor who has received a business consignment from the university. Based on the Regulations on Protection of Personal Information at National University Corporation Tohoku University, all or part of the personal information will be provided to the contractor when outsourcing this work.

10. Notes

- (1) Please refer to the website (<http://www.pharm.tohoku.ac.jp>) for more details on this graduate school.
- (2) Please ensure that all application documents are completed in full and without error. Additionally, we cannot respond to requests for the withdrawal of application after we have accepted the application documents, requests to change information entered in an application, or requests for refund of examination fees that have been paid.
- (3) The reference address for entrance examinations is as follows:
Educational affairs section of the Graduate School of Pharmaceutical Sciences & Faculty of

Pharmaceutical Sciences (Tel: +81-22-795-6803 Fax: +81-22-795-6805)

6-3 Aramaki-aza-Aoba, Aoba-ku, Sendai, Miyagi 980-8578

E-mail: kyoumu@mail.pharm.tohoku.ac.jp

- (4) When requesting the recruitment guidelines and application form by mail, specify the delivery address, recipient name, and zip code, and attach a postage stamp for 430 yen (express delivery charge) to the reply envelope (square-type no. 2, 33 cm × 24 cm).

(N.B. Documents can only be sent to addresses **within** Japan).

You can also download it from the graduate school website (<http://www.pharm.tohoku.ac.jp>).

- (5) Access to the entrance examination center from Sendai Station:

Sendai City Subway, Tozai Line

Get off at Aobayama Station on the subway to Yagiyama Zoological Park, and walk for 10 minutes from North Exit 1.

September 2019

**Tohoku University Graduate School of Pharmaceutical Sciences
& Faculty of Pharmaceutical Sciences**

6-3, Aramaki-aza-Aoba, Aoba-ku, Sendai, Miyagi 980-8578

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