Student Application Guidelines

# 2026

Enrollment in April 2026
Enrollment in October 2025
[General Admission Examination]
[Special Admission Examination for Working Adults]
[Special Admission Examination for International Students]

# Graduate School of Medicine and Pharmaceutical Sciences

## Medicine and Pharmaceutical Sciences (Master's Course)

Medical Sciences Program
Nursing Sciences Program
Pharmaceutical Sciences Program

June 2025

## University of Toyama

In the event of an unexpected situation, the contents of the student application guidelines, including the examination schedule, may be changed. If it is necessary to make such changes, we will inform you on our website, and please be sure to check the latest information.
https://www.u-toyama.ac.jp

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For this Graduate School's programs of Medical Sciences, Nursing Sciences and Pharmaceutical Sciences (Master's Courses), the student recruitment (Enrollment in April 2026) will be conducted twice. If the first recruitment reaches the maximum number of applicants, the second recruitment may not be conducted.

The availability of the second recruitment will be announced on our website around November 2025.

The third session may be held depending on the number of applicants up to the second session.

# Overview of Selection for Admission to the Graduate School of Medicine and Pharmaceutical Sciences (Master's Courses)

Number of students to be admitted in April 2026

| Program name | Number of students to be admitted | | |
|---|---|---|---|
| | General Admission Examination | Special Admission Examination for Working Adults | Special Admission Examination for International Students |
| Medical Sciences | 6 | A few | A few |
| Nursing Sciences | 8 | A few | A few |
| Pharmaceutical Sciences | 44 | - | A few |
| Total | 58 | | |

(Note) The number of students to be admitted for each program is an approximate number.

Number of students to be admitted in October 2025

| Program name | Number of students to be admitted | | |
|---|---|---|---|
| | General Admission Examination | Special Admission Examination for Working Adults | Special Admission Examination for International Students |
| Medical Sciences | A few | A few | A few |
| Nursing Sciences | A few | A few | A few |
| Pharmaceutical Sciences | A few | - | A few |

Schedules related to admission examination

| Items | Studies in Medicine and Pharmaceutical Sciences (Medical Sciences, Nursing Sciences and Pharmaceutical Sciences) | |
|---|---|---|
| | Enrollment in April 2026 [The first recruitment] and Enrollment in October 2025 General Admission Examination, Special Admission Examination for Working Adults, and Special Admission Examination for International Students | Enrollment in April 2026 [The second recruitment] General Admission Examination, Special Admission Examination for Working Adults, and Special Admission Examination for International Students |
| Deadline for inquiry about Examination of Eligibility for Application (Only for relevant applicants) | Thursday, July 3, 2025 | Friday, January 9, 2026 |
| Notification of the Examination Results of Eligibility for Application (Only for relevant applicants) | By Thursday, July 10, 2025 | By Friday, January 16, 2026 |
| Application Period | Friday, July 11 to Friday, July 18, 2025 | Monday, January 19 to Monday, January 26, 2026 |
| Examination Voucher | Wednesday, August 6, 2025 (provisional) | Thursday, February 12, 2026 (provisional) |
| Examination Date | Tuesday, August 19, 2025 | Friday, February 20, 2026 |
| Announcement of Successful Applicants | Tuesday, September 2, 2025 | Friday, March 6, 2026 |
| Admission Procedure (Deadline Date) | (Enrollment in October 2025) Friday, September 12, 2025 (Enrollment in April 2026) Wednesday, January 21, 2026 (provisional) | Friday, March 13, 2026 (provisional) |

(Note) If the first recruitment reaches the maximum number of applicants, the second recruitment may not be conducted. The availability of the second recruitment will be announced on our website around November 2025.

## I Admission Policy

**Admission Policy of Graduate School of Medicine and Pharmaceutical Sciences**

Based on its purpose and policy on completion certification and degree conferment (diploma policy), the Graduate School of Medicine and Pharmaceutical Sciences welcomes the persons who have strong interest and basic ability in the medical and healthcare-related research fields, have logical thinking ability and creativity, and have the will to contribute to the development of human and environmental health culture.

Therefore, as a basic policy of our enrollment selection, we offer various kinds of admission examinations which provide multiple admission opportunities to diversified applicants.

**Admission Policy of Graduate Program of Medical Sciences**

- The program seeks persons who are interested in life science, want to acquire knowledge in the basic and clinical fields of medicine, and aim to play an active role in various fields as highly specialized professionals with advanced knowledge.
- The program seeks persons who wish to advance their careers in their workplaces as medical professionals by obtaining the most advanced medical knowledge.

**[Basic Policy on Selection (Admission Examination Types and Their Evaluation Methods)]**

In order to accept a diverse range of students, the university will admit students in April and October, and will conduct entrance examinations twice a year. In addition, special entrance examinations for working adults will be conducted.

**General Admission Examination**

For admission selection, the applicant's motivation, enthusiasm and academic ability equivalent to or higher than that of Japanese university graduates (graduating from a 4-year undergraduate school) are evaluated through a short essay and aptitude test, foreign language (English) examination, oral examination, statement of reasons for application, and academic transcript.

**Special Admission Examination for Working Adults**

For admission selection, the applicant's motivation, enthusiasm and academic ability equivalent to or higher than that of Japanese university graduates (graduating from a 4-year undergraduate school) are evaluated through the performance examination, foreign language (English) examination, oral examination, statement of reasons for application, and academic transcript.

**Special Admission Examination for International Students**

For admission selection, the applicant's motivation, enthusiasm and academic ability equivalent to or higher than that of Japanese university graduates (graduating from a 4-year undergraduate school) are evaluated through a short essay and aptitude test, foreign language (English) examination, oral examination, statement of reasons for application, and academic transcript.

**Admission Policy of Graduate Program of Nursing Sciences**

The program seeks students who have a wide range of deep academic knowledge in nursing practice and its interdisciplinary fields, understand the purpose of developing research execution ability or the ability required for highly specialized professionals, and have the following qualities.

(1) Wishing to play an active role in the fields where highly skilled abilities are required (such as abilities to cope with advanced medical treatment, understand patients based on psychology and bioethics, improve QOL and self-recovery of patients, and solve health, medical, and welfare related issues).

(2) Seeking a career development to become excellent nurses who can comprehensively and systematically grasp the healthcare and welfare related issues based on the current situation of nursing and future prospects, and can respond to those issues.

**[Basic Policy on Selection (Admission Examination Types and Their Evaluation Methods)]**

In order to accept a diverse range of students, the university will admit students in April and October, and will conduct entrance examinations twice a year. In addition, special entrance examinations for working adults will be conducted.

**General Admission Examination**

For admission selection, the applicant's basic knowledge and research execution ability required to acquire advanced nursing practice ability and research method are evaluated through a short essay and aptitude test, foreign language (English) examination, and oral examination.

**Special Admission Examination for Working Adults**

For admission selection, the applicant's achievements of nursing practice and research activities, interest in research and ability to carry it out, which are required to acquire advanced nursing practice ability and research method, are evaluated through performance examination, foreign language (English) examination, and oral examination.

**Special Admission Examination for International Students**

For admission selection, the applicant's basic knowledge and research execution ability required to acquire advanced nursing practice ability and research method are evaluated through a short essay and aptitude test, foreign language (English) examination, and oral examination.

**Admission Policy of Graduate Program of Pharmaceutical Sciences**

This program is aimed at nurturing people who can contribute to the progress of people's health and academic research as researchers, educators, engineers in the fields of pharmaceutical science, as well as specialists who will be responsible for the development and dissemination of pharmaceutical science in the future. To that end, students need to not only learn a wide range of academic knowledge and advanced expertise in pharmaceutical science, but also acquire the ability to integrate and apply them to carry out highly creative researches under a high ethical sense based on the spirit of respect for human beings. For that purpose, this program seeks the following students.

- Those who aim to be excellent researchers, educators, and engineers active in pharmaceutical science and interdisciplinary fields
- Those with expertise in pharmaceutical science and life science
- Those who wish to contribute to the good health of people and the advancement of academic research by solving various issues related to pharmaceutical science through researches
- Those who have sufficient communication and presentation abilities to explain and discuss the content and value of their research projects with researchers in Japan and abroad.

**[Basic Policy on Selection (Admission Examination Types and Their Evaluation Methods)]**

In order to accept a diverse range of students, the university will admit students in April and October, and will conduct entrance examinations twice a year. In addition, special entrance examinations for international students will be conducted.

**General Admission Examination**

For admission selection, the applicant's motivation, enthusiasm and academic ability equivalent to or higher than that of Japanese university graduates (graduating from a 4-year undergraduate school) are evaluated through a short essay and aptitude test, foreign language (English) examination, oral examination and academic transcript.

**Special Admission Examination for International Students**

For admission selection, the applicant's motivation, enthusiasm and academic ability equivalent to or higher than that of Japanese university graduates (graduating from a 4-year undergraduate school) are evaluated through a short essay and aptitude test, foreign language (English) examination, oral examination and academic transcript.

# II General Admission Examination

## 1. Summary of Admissions Selection Schedule

Enrollment in April 2026 (The first recruitment) and Enrollment in October 2025

| Program | Application period | Examination date | Date of announcement of successful applicants | Admission procedures (deadline date) |
|---|---|---|---|---|
| Medical Sciences | Friday, July 11 to Friday, July 18, 2025 | Tuesday, August 19, 2025 | Tuesday, September 2, 2025 | (Enrollment in October 2025)<br>Friday, September 12, 2025<br>(Enrollment in April 2026)<br>Wednesday, January 21, 2026 (provisional) |
| Nursing Sciences | | | | |
| Pharmaceutical Sciences | | | | |

Enrollment in April 2026 (The second recruitment)

| Program | Application period | Examination date | Date of announcement of successful applicants | Admission procedures (deadline date) |
|---|---|---|---|---|
| Medical Sciences | Monday, January 19 to Monday, January 26, 2026 | Friday, February 20, 2026 | Friday, March 6, 2026 | Friday, March 13, 2026(provisional) |
| Nursing Sciences | | | | |
| Pharmaceutical Sciences | | | | |

(Note) If the first recruitment reaches the maximum number of applicants, the second recruitment may not be conducted. The availability of the second recruitment will be announced on our website around November 2025.

## 2. Number of Students to be Admitted

| Program name | Enrollment in April 2026 Number of students to be admitted | Enrollment in October 2025 Number of students to be admitted | Remarks |
|---|---|---|---|
| Medical Sciences | 6 | A few | The number of applicants includes the admission quota (a few) for Special Admission Examination for Working Adults and Special Admission Examination for International Students. |
| Nursing Sciences | 8 | A few | The Nursing Sciences program includes the Researcher course, Certified Nurse Specialist (CNS) course (cancer/maternal), and Nurse Practitioner (NP) course*.<br>The number of applicants includes the admission quota (a few) for Special Admission Examination for Working Adults and Special Admission Examination for International Students. |
| Pharmaceutical Sciences | 44 | A few | The number of applicants includes the admission quota (a few) for Special Admission Examination for International Students. |
| Total | 58 | – | The number of students to be admitted for each program is an approximate number. |

* Nurse Practitioner (NP) Course is accepted only for April enrollment.

**(Note) Applicants for admission must consult with the relevant supervisor in the field of their choice in advance regarding the direction of education, research, etc. You cannot apply if you have not decided whom you want to be your supervisor.**

**The main purposes of the consultation are as follows.**
**・Confirmation of research field after admission**
**・Confirmation of the direction of the applicant's education and research**
**Please note that the content of the consultation will not directly affect the result of the entrance examination.**

## 3. Eligibility for Application

Applicants must fulfill any of the following requirements: In addition to these requirements, applicants who apply for Nurse Practitioner (NP) course in the Nursing Science program must have at least 5 years of nursing experience and a nursing license certified in Japan.

(1) A person who graduated (or is expected to graduate prior to admission to the graduate school) from a Japanese university.
(2) A person who was granted (or is expected to be granted a bachelor's degree prior to admission to the graduate school) by the National Institution for Academic Degrees and Quality Enhancement of Higher Education under the provisions of Article 104, paragraph 7 of the School Education Act.
(3) A person who has completed or is expected to complete prior to admission to the graduate school a 16-year school education course in a foreign country.
(4) A person who has completed (or is expected to complete prior to admission to the graduate school) a 16-year education course of a foreign school which provides a distance education program, by finishing the subjects of the distance education program of the foreign school in Japan.
(5) A person (limited to a person who completed a 16-year school education course of a foreign country) who has completed (or is expected to complete prior to admission to the graduate school) the course designated by the Minister of Education, Culture, Sports, Science and Technology in Japan (herein after referred to as MEXT) operated by an educational institution positioned as having a course of a foreign university under the school education system of the foreign country.
(6) A person who was granted a degree equivalent to a bachelor's degree by completing a course, studying for three or more years at a foreign university or another foreign school (limited to schools that have been evaluated with regard to the overall status of their educational and research activities, etc. by a party certified by the government or a governmental organization of the foreign country, or schools designated as being equivalent thereto by the Minister of MEXT), or is expected to be granted it prior to admission to the graduate school.
In the above "completing a course" includes: the completion of the course by taking classes in Japan through distance education operated by a foreign school; or the completion of the course operated by an educational institution positioned under the school education system of the foreign country as well as designated in the preceding paragraph.
(7) A person who has completed (or is expected to complete prior to admission to the graduate school) a specialized course operated by an advanced vocational school (limited to courses that take four or more years to complete and satisfy other criteria specified by the Minister of MEXT) and designated by the Minister of MEXT on or after the day specified by the Minister of MEXT.
(8) A person designated by the Minister of MEXT (Public notice No. 5 of the Ministry of Education, 1953).
(9) A person who was admitted to another graduate school according to the provisions of Article 102, paragraph (2) of the School Education Act, and is admitted to our graduate school on the condition that the person is recognized by us as having academic ability suitable for receiving postgraduate education.
(10) A person who has been recognized as having academic ability equivalent to or higher than that of university graduates through an individual examination of eligibility for application for this program, and will have turned 22 years old at the time of admission.
(11) A person who has been enrolled in a university for 3 or more years as of the end of month prior to admission to the graduate school, and has been recognized by us as having acquired the designated credits with an excellent academic record.

(Note) A person who intends to file an application in accordance with the Eligibility of Application

(9) to (11) is required to undergo an individual Examination of Eligibility for Application in advance. See “3. Examination of Eligibility for Application” on page 27, and follow the prescribed procedure.

## 4. Use of External English Test

For the General Admission Examination, no written foreign language (English) test is conducted, and the applicant’s proficiency is judged based on the score of the submitted external English test, which will be converted on a 100-point scale basis.

If you have taken more than one test, submit the one with the highest converted score.

The types of external English tests are TOEFL-iBT, TOEFL-ITP, TOEIC L&R, TOEIC L&R-IP and IELTS.

Only the scores of the tests taken on and after September 1, 2023* are valid and acceptable.

* The Nursing Science program has no restriction on the examination date.

Score conversion method

- TOEFL-iBT
  - 70 or more = 100 points
  - If less than 70
    - Converted point = 100 x (TOEFL-iBT score)/70
- TOEFL-ITP
  - 525 or more = 100 points
  - If less than 525
    - Converted point = 100 x {(TOEFL-ITP score) -310}/215
  - 310 or less = 0 point
- TOEIC L&R, TOEIC L&R-IP
  - 730 or more = 100 points
  - If less than 730
    - Converted point = 100 x (TOEIC score)/730
- IELTS
  - 6.0 or more = 100 points
  - If less than 6.0
    - Converted point = 100 x{ (IELTS score) -1}/5

## 5. Selection Method of Medical Sciences

For admission selection, the applicant’s motivation, enthusiasm and academic ability equivalent to or higher than that of Japanese university graduates (graduating from a 4-year undergraduate school) are evaluated through a short essay and aptitude test, foreign language (English) examination (refer to “4. Use of external English test” on page 9), oral examination, statement of reasons for application and academic transcript.

(1) Short essay and aptitude test
- The applicants will be asked about their motivation, research plan, interests in Medical Sciences, and ethics.

(2) Oral examination
- Based on the answers from the short essay and aptitude test, the applicants will be asked in an interview about their reasons for application, their plans on how they will use what they have learned so far for the development of their postgraduate study, future research plans, hopes and their plans for social contributions after completion of the course, etc.

(3) Examination Date and Venue

Enrollment in April 2026(The first recruitment) and Enrollment in October 2025

| Examination date | Time | Examination subjects, etc. | Examination venue |
|---|---|---|---|
| Tuesday, August 19, 2025 | From 11:00 to 12:00 | Short essay and aptitude test | Sugitani Campus (Campus for Medicine and Pharmaceutical Sciences) University of Toyama 2630 Sugitani, Toyama-city, Toyama Prefecture |
| | From 13:30 | Oral examination* | |

Enrollment in April 2026(The second recruitment)

| Examination date | Time | Examination subjects, etc. | Examination venue |
|---|---|---|---|
| Friday, February 20, 2026 | From 11:00 to 12:00 | Short essay and aptitude test | Sugitani Campus (Campus for Medicine and Pharmaceutical Sciences) University of Toyama 2630 Sugitani, Toyama-city, Toyama Prefecture |
| | From 13:30 | Oral examination* | |

* The starting time of the oral examination may vary depending on the number of applicants. We will inform you of any changes, if any, when we issue you the Examination Voucher.

## 6. Selection Method of Nursing Sciences

For admission selection, the applicant's basic knowledge and research execution ability required to acquire advanced nursing practice ability and research method are evaluated through a short essay and aptitude test, foreign language (English) examination (refer to "4. Use of external English test" on page 9), and oral examination.

(1) Short essay and aptitude test

- The aptitude test requires basic knowledge of your desired field.

(2) Oral examination

- Questions such as motivation for applying to the graduate school and enthusiasm for research are asked.

(3) Examination Date and Venue

Enrollment in April 2026(The first recruitment) and Enrollment in October 2025

| Examination date | Time | Examination subjects, etc. | Examination venue |
|---|---|---|---|
| Tuesday, August 19, 2025 | From 11:00 to 12:00 | Short essay and aptitude test | Sugitani Campus (Campus for Medicine and Pharmaceutical Sciences) University of Toyama 2630 Sugitani, Toyama-city, Toyama Prefecture |
| | From 13:30 | Oral examination * | |

Enrollment in April 2026(The second recruitment)

| Examination date | Time | Examination subjects, etc. | Examination venue |
|---|---|---|---|
| Friday, February 20, 2026 | From 11:00 to 12:00 | Short essay and aptitude test | Sugitani Campus (Campus for Medicine and Pharmaceutical Sciences) University of Toyama 2630 Sugitani, Toyama-city, Toyama Prefecture |
| | From 13:30 | Oral examination * | |

* The starting time of the oral examination may vary depending on the number of applicants. We will inform you of any changes , if any, when we issue you the Examination Voucher.

## 7. Selection Method of Pharmaceutical Sciences

For admission selection, the applicant's motivation, enthusiasm and academic ability equivalent to or higher than that of Japanese university graduates (graduating from a 4-year undergraduate school) are evaluated through a short essay and aptitude test, foreign language (English) examination (refer to "4. Use of external English test" on page 9), oral examination and academic transcript.

(1) Short essay and aptitude test
- The aptitude test requires basic knowledge of your desired field.

(2) Oral examination
- Questions such as motivation for applying to the graduate school and enthusiasm for research are asked.

(3) Examination Date and Venue

Enrollment in April 2026(The first recruitment) and Enrollment in October 2025

| Examination date | Time | Examination subjects, etc. | Examination venue |
|---|---|---|---|
| Tuesday, August 19, 2025 | From 11:00 to 12:00 | Short essay and aptitude test | Sugitani Campus (Campus for Medicine and Pharmaceutical Sciences) University of Toyama<br>2630 Sugitani, Toyama-city, Toyama Prefecture |
| | From 13:30 | Oral examination * | |

Enrollment in April 2026(The second recruitment)

| Examination date | Time | Examination subjects, etc. | Examination venue |
|---|---|---|---|
| Friday, February 20, 2026 | From 11:00 to 12:00 | Short essay and aptitude test | Sugitani Campus (Campus for Medicine and Pharmaceutical Sciences) University of Toyama<br>2630 Sugitani, Toyama-city, Toyama Prefecture |
| | From 13:30 | Oral examination * | |

* The starting time of the oral examination may vary depending on the number of applicants. We will inform you of any changes, if any, when we issue you the Examination Voucher.

# III Special Admission Examination for Working Adults

## 1. Summary of Admissions Selection Schedule

Enrollment in April 2026(The first recruitment) and Enrollment in October 2025

| Program | Application period | Examination date | Date of announcement of successful applicants | Admission procedures (deadline date) |
|---|---|---|---|---|
| Medical Sciences | Friday, July 11 to Friday, July 18, 2025 | Tuesday, August 19, 2025 | Tuesday, September 2, 2025 | (Enrollment in October 2025) Friday, September 12, 2025 (Enrollment in April 2026) Wednesday, January 21, 2026 (provisional) |
| Nursing Sciences | | | | |

Enrollment in April 2026(The second recruitment)

| Program | Application period | Examination date | Date of announcement of successful applicants | Admission procedures (deadline date) |
|---|---|---|---|---|
| Medical Sciences | Monday, January 19 to Monday, January 26, 2026 | Friday, February 20, 2026 | Friday, March 6, 2026 | Friday, March 13, 2026(provisional) |
| Nursing Sciences | | | | |

(Note) If the first recruitment reaches the maximum number of applicants, the second recruitment may not be conducted. The availability of the second recruitment will be announced on our website around November 2025.

* Applicants for the Pharmaceutical Sciences program who are in employment should take the General Admission Examination.

## 2. Number of Students to be Admitted

| Program name | Number of students to be admitted | Remarks |
|---|---|---|
| Medical Sciences | A few | This admission quota is included in that for general admission examination. |
| Nursing Sciences | A few | The Nursing Sciences program includes the Researcher course, Certified Nurse Specialist (CNS) course (cancer/maternal), and Nurse Practitioner (NP) course*. This admission quota is included in that for general admission examination. |

* Nurse Practitioner (NP) Course is accepted only for April enrollment.

**(Note) Applicants for admission must consult with the relevant supervisor in the field of their choice in advance regarding the direction of education, research, etc. You cannot apply if you have not decided whom you want to be your supervisor.**

**The main purposes of the consultation are as follows.**

**・Confirmation of research field after admission**

**・Confirmation of the direction of the applicant's education and research**

**Please note that the content of the consultation will not directly affect the result of the entrance examination.**

## 3. Eligibility for Application

Applicants must meet one of the following criteria and must also have at least three years of professional experience and a record of research presentations or equivalent achievements. In addition to these requirements, applicants who apply for Nurse Practitioner (NP) course in the Nursing Science program must have at least 5 years of nursing experience and a nursing license certified in Japan.

(1) A person who graduated from a university.

(2) A person who was granted a bachelor's degree by the National Institution for Academic Degrees and Quality Enhancement of Higher Education under the provisions of Article 104, paragraph 7 of the School Education Act.

(3) A person who has completed a 16-year education course by school education in a foreign country.
(4) A person who has completed a 16-year education course of a foreign school which provides a distance education program by finishing the subjects of the distance education program of the foreign school in Japan.
(5) A person (limited to a person who completed a 16-year school education course of a foreign country) who has completed the course designated by the Minister of Education, Culture, Sports, Science and Technology in Japan (herein after referred to as MEXT) operated by an educational institution positioned as having a course of a foreign university under the school education system of the foreign country.
(6) A person who was granted a degree equivalent to a bachelor's degree by completing a course, studying for three or more years at a foreign university or another foreign school (limited to schools that have been officially authorized by the government or a governmental organization of the foreign country with regard to the overall status of their educational and research activities, etc., or schools designated as being equivalent thereto by the Minister of MEXT).
In the above "completing a course" includes: the completion of the course by taking classes in Japan through distance education operated by the relevant foreign school; or the completion of the course operated by an educational institution positioned under the school education system of the foreign country as well as designated in the preceding paragraph.
(7) A person who has completed a specialized course operated by an advanced vocational school (limited to courses that take four or more years to complete and satisfy other criteria specified by the Minister of MEXT) and separately designated by the Minister of MEXT on or after the day specified by the Minister of MEXT.
(8) A person designated by the Minister of MEXT (Public notice No. 5 of the Ministry of Education, 1953).
(9) A person who was admitted to another graduate school according to the provisions of Article 102, paragraph (2) of the School Education Act, and is admitted to our graduate school on the condition that the person is recognized by us as having academic ability suitable for receiving postgraduate education.
(10) A person who has been recognized as having academic ability equivalent to or higher than that of university graduates through an individual examination of eligibility for application for this program, and will have turned 22 years old at the time of admission.
(Note) A person who intends to file an application in accordance with the Eligibility of Application (9) and (10) is required to undergo an individual Examination of Eligibility for Application in advance. See "3. Examination of Eligibility for Application" on page 27, and follow the prescribed procedure.

## 4. Use of External English Test

For the Special Admission Examination for Working Adults, no written foreign language (English) test is conducted, and the applicant's proficiency is judged by the score of the submitted external English test, which is converted on a 100-point scale basis.

If you have taken more than one test, submit the one with the highest converted score.

The types of external English tests are TOEFL-iBT, TOEFL-ITP, TOEIC L&R, TOEIC L&R-IP and IELTS.

Only the scores of the tests taken on and after September 1, 2023* are valid and acceptable.

* Only the Nursing Science program has no restriction on the examination date.

Score conversion method

- TOEFL-iBT
  70 or more = 100 points
  If less than 70
  Converted point = 100 x (TOEFL-iBT score)/70
- TOEFL-ITP
  525 or more = 100 points
  If less than 525
  Converted point = 100 x {(TOEFL-ITP score) -310}/215
  310 or less = 0 point
- TOEIC L&R, TOEIC L&R-IP
  730 or more = 100 points
  If less than 730
  Converted point = 100 x (TOEIC score)/730
- IELTS
  6.0 or more = 100 points
  If less than 6.0
  Converted point = 100 x{ (IELTS score) -1}/5

## 5. Selection Method of Medical Sciences

For admission selection, the applicant's motivation, enthusiasm and academic ability equivalent to or higher than that of Japanese university graduates (graduating from a 4-year undergraduate school) are evaluated through a performance examination, foreign language (English) examination (refer to "4. Use of external English test" on page 13), oral examination, statement of reasons for application and academic transcript.

(1) Oral examination

- Applicants will be asked in an interview about the reasons for application, their interests in research on Medical Science, their plans on how they will use what they have learned so far for the development of their postgraduate study, future research plans, ethics, hopes and their plans for social contributions after completion of the course, etc.

(2) Examination Date and Venue

Enrollment in April 2026(The first recruitment) and Enrollment in October 2025

| Examination date | Time | Examination subjects, etc. | Examination venue |
|---|---|---|---|
| Tuesday, August 19, 2025 | From 13:30 | Oral examination* | Sugitani Campus (Campus for Medicine and Pharmaceutical Sciences) University of Toyama 2630 Sugitani, Toyama-city, Toyama Prefecture |

Enrollment in April 2026(The second recruitment)

| Examination date | Time | Examination subjects, etc. | Examination venue |
|---|---|---|---|
| Friday, February 20, 2026 | From 13:30 | Oral examination* | Sugitani Campus (Campus for Medicine and Pharmaceutical Sciences) University of Toyama 2630 Sugitani, Toyama-city, Toyama Prefecture |

* The starting time of the oral examination may vary depending on the number of applicants. We will inform you of any changes, if any, when we issue you the Examination Voucher.

## 6. Selection Method of Nursing Sciences

For admission selection, the applicant's achievements of nursing practice and research activities, interest in research and ability to carry it out, which are required to acquire advanced nursing practice ability and research method, are evaluated through a performance examination, foreign language (English) examination (refer to "4. Use of external English test" on page 13), and oral examination.

(1) Oral examination

- Questions such as motivation for applying to the graduate school and enthusiasm for research are asked.

(2) Examination Date and Venue

Enrollment in April 2026(The first recruitment) and Enrollment in October 2025

| Examination date | Time | Examination subjects, etc. | Examination venue |
|---|---|---|---|
| Tuesday, August 19, 2025 | From 13:30 | Oral examination * | Sugitani Campus (Campus for Medicine and Pharmaceutical Sciences) University of Toyama 2630 Sugitani, Toyama-city, Toyama Prefecture |

Enrollment in April 2026(The second recruitment)

| Examination date | Time | Examination subjects, etc. | Examination venue |
|---|---|---|---|
| Friday, February 20, 2026 | From 13:30 | Oral examination * | Sugitani Campus (Campus for Medicine and Pharmaceutical Sciences) University of Toyama 2630 Sugitani, Toyama-city, Toyama Prefecture |

* The starting time of the oral examination may vary depending on the number of applicants. We will inform you of any changes, if any, when we issue you the Examination Voucher.

# IV Special Admission Examination for International Students

## 1. Summary of Admissions Selection Schedule

Enrollment in April 2026(The first recruitment) and Enrollment in October 2025

| Program | Application period | Examination date | Date of announcement of successful applicants | Admission procedures (deadline date) |
|---|---|---|---|---|
| Medical Sciences | Friday, July 11 to Friday, July 18, 2025 | Tuesday, August 19, 2025 | Tuesday, September 2, 2025 | (Enrollment in October 2025) Friday, September 12, 2025 (Enrollment in April 2026) Wednesday, January 21, 2026 (provisional) |
| Nursing Sciences | | | | |
| Pharmaceutical Sciences | | | | |

Enrollment in April 2026(The second recruitment)

| Program | Application period | Examination date | Date of announcement of successful applicants | Admission procedures (deadline date) |
|---|---|---|---|---|
| Medical Sciences | Monday, January 19 to Monday, January 26, 2026 | Friday, February 20, 2026 | Friday, March 6, 2026 | Friday, March 13, 2026(provisional) |
| Nursing Sciences | | | | |
| Pharmaceutical Sciences | | | | |

(Note) If the first recruitment reaches the maximum number of applicants, the second recruitment may not be conducted. The availability of the second recruitment will be announced on our website around November 2025.

## 2. Number of Students to be Admitted

| Program name | Number of students to be admitted | Remarks |
|---|---|---|
| Medical Sciences | A few | This admission quota is included in that for general admission examination. |
| Nursing Sciences | A few | This admission quota is included in that for general admission examination. |
| Pharmaceutical Sciences | A few | This admission quota is included in that for general admission examination. |

**(Note) Applicants for admission must consult with the relevant supervisor in the field of their choice in advance regarding the direction of education, research, etc. You cannot apply if you have not decided whom you want to be your supervisor.**
**The main purposes of the consultation are as follows.**
**・Confirmation of research field after admission**
**・Confirmation of the direction of the applicant's education and research**
**Please note that the content of the consultation will not directly affect the result of the entrance examination.**

## 3. Eligibility for Application

Those who have foreign nationality and satisfy any of the following requirements are eligible to apply.

In the Nursing Science Program, the applicant must be able to carry out daily conversation in Japanese.

(1) A person who has completed or is expected to complete prior to admission to the graduate school a 16-year school education course in a foreign country.

(2) A person who was granted a degree equivalent to a bachelor's degree by completing a course, studying for three or more years at a foreign university or another foreign school (limited to schools that have been evaluated with regard to the overall status of their educational and research activities, etc. by a party certified by the government or a governmental organization of the foreign country, or schools designated as being equivalent thereto by the Minister of MEXT), or is expected to be granted it prior to admission to the graduate school.
In the above "completing a course" includes the completion of the course by taking classes in Japan through distance education operated by a foreign school, or completion of the course operated by an educational institution positioned under the school education system of the foreign country as well as designated in the preceding paragraph.
(3) A person who has been recognized as having academic ability equivalent to or higher than that of university graduates through an individual examination of eligibility for application for this program, and will have turned 22 years old at the time of admission.
(4) A person who was admitted to another graduate school according to the provisions of Article 102, paragraph (2) of the School Education Act, and is admitted to our graduate school on the condition that the person is recognized by us as having academic ability suitable for receiving postgraduate education.
(Note) A person who intends to file an application in accordance with the Eligibility of Application (3) and (4) is required to undergo an individual Examination of Eligibility for Application in advance. See "3. Examination of Eligibility for Application" on page 27, and follow the prescribed procedure.

## 4. Use of External English Test

In the Advanced Medical Science Program and the Nursing Science Program, a written examination in a foreign language (English) is not given, and the score of the submitted external English examination is converted into the maximum score of 100 points.

For the Pharmaceutical Sciences program, an applicant who has submitted a score of the external English test will not take a written foreign language (English) examination, and the applicant's proficiency is judged based on the score of the submitted external English test, which is converted on a 100-point scale basis. Applicants who cannot submit the score of the external English tests will take a written language (English) examination.

If you have taken more than one test, submit the one with the highest converted score.

The types of external English tests are TOEFL-iBT, TOEFL-ITP, TOEIC L&R, TOEIC L&R-IP and IELTS.

Only the scores of the tests taken on and after September 1, 2023 are valid and acceptable.

* The Nursing Science program has no restriction on the examination date.

Score conversion method
- TOEFL-iBT
  70 or more = 100 points
  If less than 70
    Converted point = 100 x (TOEFL-iBT score)/70
- TOEFL-ITP
  525 or more = 100 points
  If less than 525
    Converted point = 100 x {(TOEFL-ITP score) -310}/215
  310 or less = 0 point
- TOEIC L&R, TOEIC L&R-IP
  730 or more = 100 points
  If less than 730
    Converted point = 100 x (TOEIC score)/730
- IELTS
  6.0 or more = 100 points
  If less than 6.0
    Converted point = 100 x{ (IELTS score) -1}/5

## 5. Selection Method of Medical Sciences

For admission selection, the applicant's motivation, enthusiasm and academic ability equivalent to or higher than that of Japanese university graduates (graduating from a 4-year undergraduate school) are evaluated through a short essay and aptitude test, foreign language (English) examination (refer to "4. Use of external English test" on page 16), oral examination, statement of reasons for application and academic transcript.

(1) Short essay and aptitude test

- The applicants will be asked about their motivation, research plan, interests in Medical Sciences, and ethics.

(2) Oral examination

- Based on the answers from the short essay and aptitude test, the applicants will be asked in an interview about their reasons for application, their plans on how they will use what they have learned so far for the development of their postgraduate study, future research plans, hopes and their plans for social contributions after completion of the course, etc.

(3) Examination Date and Venue

Enrollment in April 2026 (The first recruitment) and Enrollment in October 2025

| Examination date | Time | Examination subjects, etc. | Examination venue |
|---|---|---|---|
| Tuesday, August 19, 2025 | From 11:00 to 12:00 | Short essay and aptitude test | Sugitani Campus (Campus for Medicine and Pharmaceutical Sciences) University of Toyama 2630 Sugitani, Toyama-city, Toyama Prefecture |
| | From 13:30 | Oral examination * | |

Enrollment in April 2026 (The second recruitment)

| Examination date | Time | Examination subjects, etc. | Examination venue |
|---|---|---|---|
| Friday, February 20, 2026 | From 11:00 to 12:00 | Short essay and aptitude test | Sugitani Campus (Campus for Medicine and Pharmaceutical Sciences) University of Toyama 2630 Sugitani, Toyama-city, Toyama Prefecture |
| | From 13:30 | Oral examination * | |

* The starting time of the oral examination may vary depending on the number of applicants. We will inform you of any changes, if any, when we issue you the Examination Voucher.

## 6. Selection Method of Nursing Sciences

For admission selection, the applicant's basic knowledge and research execution ability required to acquire advanced nursing practice ability and research method are evaluated through a short essay and aptitude test, foreign language (English) examination (refer to "4. Use of external English test" on page 16), and oral examination.

(1) Short essay and aptitude test

- The aptitude test requires basic knowledge of your desired field.

(2) Oral examination

- Questions such as motivation for applying to the graduate school and enthusiasm for research are asked.

(3) Examination Date and Venue

Enrollment in April 2026(The first recruitment) and Enrollment in October 2025

| Examination date | Time | Examination subjects, etc. | Examination venue |
|---|---|---|---|
| Tuesday, August 19, 2025 | From 11:00 to 12:00 | Short essay and aptitude test | Sugitani Campus (Campus for Medicine and Pharmaceutical |

| | | | |
|---|---|---|---|
| | From 13:30 | Oral examination * | Sciences) University of Toyama<br>2630 Sugitani, Toyama-city, Toyama Prefecture |

Enrollment in April 2026(The second recruitment)

| Examination date | Time | Examination subjects, etc. | Examination venue |
|---|---|---|---|
| Friday, February 20, 2026 | From 11:00 to 12:00 | Short essay and aptitude test | Sugitani Campus (Campus for Medicine and Pharmaceutical Sciences) University of Toyama<br>2630 Sugitani, Toyama-city, Toyama Prefecture |
| | From 13:30 | Oral examination * | |

* The starting time of the oral examination may vary depending on the number of applicants. We will inform you of any changes , if any, when we issue you the Examination Voucher.

## 7. Selection Method of Pharmaceutical Sciences

For admission selection, the applicant's motivation, enthusiasm and academic ability equivalent to or higher than that of Japanese university graduates (graduating from a 4-year undergraduate school) are evaluated through a short essay and aptitude test, foreign language (English) examination (refer to "4. Use of external English test" on page 16), oral examination and academic transcript.

(1) Short essay and aptitude test
- The aptitude test requires basic knowledge of your desired field.

(2) Foreign language (English) examination
- Language proficiency at the level of a four-year undergraduate education graduate is required.

If you use an external English test, you will not be required to take a written foreign language (English) examination.

(3) Oral examination
- Questions such as motivation for applying to the graduate school and enthusiasm for research are asked.

(4) Examination Date and Venue

Enrollment in April 2026 (The first recruitment) and Enrollment in October 2025

| Examination date | Time | Examination subjects, etc. | Examination venue |
|---|---|---|---|
| Tuesday, August 19, 2025 | From 9:30 to 10:30 | Foreign language (English) | Sugitani Campus (Campus for Medicine and Pharmaceutical Sciences) University of Toyama<br>2630 Sugitani, Toyama-city, Toyama Prefecture |
| | From 11:00 to 12:00 | Short essay and aptitude test | |
| | From 13:30 | Oral examination * | |

Enrollment in April 2026 (The second recruitment)

| Examination date | Time | Examination subjects, etc. | Examination venue |
|---|---|---|---|
| Friday, February 20, 2026 | From 9:30 to 10:30 | Foreign language (English) | Sugitani Campus (Campus for Medicine and Pharmaceutical Sciences) University of Toyama<br>2630 Sugitani, Toyama-city, Toyama Prefecture |
| | From 11:00 to 12:00 | Short essay and aptitude test | |
| | From 13:30 | Oral examination * | |

* The starting time of the oral examination may vary depending on the number of applicants. We will inform you of any changes, if any, when we issue you the Examination Voucher.

# Ⅴ General Procedure of Application and Admission

**1.** Application Procedures

Applications must be submitted online only. The application procedure is completed by sending the required documents by registered express mail within the application period after the registration and payment of the application fee on the online application website.Please read the following "Online Application Procedure" carefully and follow the instructions.

## Online Application Procedure

| Prepare | STEP 1 Access the online application website | STEP 2 Create an account on My Page | STEP 3 Register the contents of your application | STEP 4 Pay the entrance examination fee | STEP 5 Printing required documents | STEP 5 Mailing application documents | Application completed | STEP 6 Print your admission ticket |
|---|---|---|---|---|---|---|---|---|

## Prepare see page 23

Prepare a PC with an Internet connection and a printer, etc.
It may take time for the required documents* to be issued. Please start preparing them early and ensure that you have them with you before applying.

*Required Documents : An official transcript, data of your photo, etc.
For details, refer to page 23of the application guidelines.


## Access the Online Application Website

Access from the Online Application website ▶ **https://e-apply.jp/ds/toyama-gs/**

or

the University website ▶ **https://www.u-toyama.ac.jp/**

**After completing registration on the online application website (STEP 2), the application is completed by paying the examination fee (STEP 3), printing and mailing the required documents (STEP 4, STEP 5).**
**Please note that your application is not complete just by registering.**
**Online applications are available 24 hours a day.**
**However, application documents must arrive by 17:00 on the last day of the application period.**
**Please make sure to give yourself plenty of time when applying.**

STEP 1

## Create an Account on My Page

Enter the required information according to the instructions on the screen to create an account on My Page. If you have already registered on My Page, proceed to STEP 2.

① If you are registering for the first time, click
My Page Registration

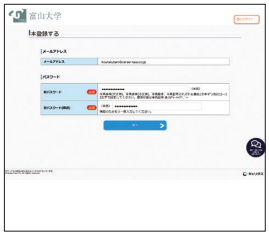
② Register your e-mail address and click on
Send an e-mail for temporary registration >

③ Click on the
To the log-in page
from the user registration screen.

④ A default password and a registration URL will be sent to your registered e-mail address.

*Configure your e-mail settings to receive e-mails from the @e-apply.jp domain.

⑤ From the log-in screen, use your registered e-mail address and the default password you received in ④ and click
log-in



⑥ Change your default password.

⑦ Enter your personal information and click
Next

⑧ Confirm your personal information and click
Register this information

⑨ Registration is complete. Click **To My Page**

⑩ When the above page appears, My Page registration is complete.

*You can proceed to the application procedures by clicking on the **Apply** button only while applications are being accepted.
You cannot proceed from here onward during times outside the period.
Click on the Log-out button.

STEP 2

# Register the Contents of Your Application

Make sure to check the procedures and important notices on the screen, and then enter the required fields according to the instructions on the screen.

① After logging in to My Page, click on the **Apply** button, and the registration page will appear.

② Select an entrance exam and confirm the important notices.

③ Select the desired department, etc.

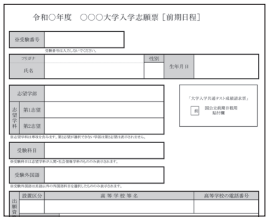
④ Upload a photo.
Click on the Select Photo button to select a photo.

⑤ Enter your information entrance (name, address, etc.).


⑥ Confirm the contents of your application.
Click on the Application Form (sample) button to check your application form.


⑦ Your application is registered.
Click on the **Pay** button to proceed to the page where you can pay your entrance examination fee.

⑧ Payment methods for examination fees.
- Convenience stores
- ATMs with Pay-easy
- Online banking
- Credit cards



⑨ Document required for the application in PDF format (Sample)
***This document can be printed out after the entrance examination fee is paid.**

**If you have selected "Convenience Stores" or "ATMs with Pay-easy" as your payment method, write down the payment number, which will appear after the selection of a payment method, in the memo space below, and make the payment at a convenience store or an ATM with Pay-easy within the designated payment deadline.**

### For 7-ELEVEN

| | |
|---|---|
| Payment slip number Memo (13 digits) | |

### For Daily YAMAZAKI, Seicomart

| | |
|---|---|
| Online payment number by Memo (11 digits) | |

### For LAWSON, MINISTOP, FamilyMart, ATMs with Pay-easy

| | |
|---|---|
| Customer number memo (11 digits) | |
| Confirmation number memo (6 digits) | |
| Receiving agency number (5 digits) | 5 8 0 2 1 |

*A receiving agency number is required for payment Pay-easy.

**A confirmation e-mail will be sent to you after the application registration is completed. If you have restricted the reception of e-mails, please allow e-mails from the sender (@e-apply.jp) to be received.** *Please note that confirmation e-mails may be sorted into your junk e-mail folder, etc.

**Please be careful not to enter incorrect information, as the registered information cannot be changed or modified after the application registration is completed. However, if you have not yet paid the entrance examination fee, you can substantially modify the information by re-registering using the correct information.**

*Please note that if you have selected a credit card for the "Payment Method for the Entrance Examination Fee," the payment will be completed simultaneously with the registration for application.

STEP 3

# Pay the Entrance Examination Fee

## 1 Credit Card Payment

You can select this method and make a payment when registering your application.

【Accepted Credit Cards】
VISA, Master, JCB, AMERICAN EXPRESS, MUFG Card, DC Card, UFJ Card, NICOS Card

**Payment is completed upon registration.**

## 2 Online Banking Payment

After registering your application, you will be redirected to the page of each financial institution from the current page. Please follow the instructions on the screen to make the payment.

*For online payment, your bank account must be signed up for internet banking.

**The procedures are completed online.**

## 3 Convenience Store Payment

Payment at a convenience store can be made using the payment number that will appear after you have registered the application information.

- **Payment can be made at a cash register.**
  - セブン-イレブン
  - Daily YAMAZAKI / ヤマザキデイリーストア
  - Seicomart
- **Payment can be made using a store terminal.**
  - Loppi
  - LAWSON / MINISTOP
  - Multi-functional copy machine
  - あなたと、コンビに、FamilyMart

## 4 Bank ATMs with Pay-easy

Payment can be made using the payment number that will appear after you have registered the application information at bank ATMs with Pay-easy by following the instructions on the ATM screen.

*Please check the "Payment Method Selection" screen to see the banks that offer this payment method.

**Enter the required information following the instructions on the screen of each convenience store terminal or ATM and confirm the details before paying the entrance examination fee.**

## 3 Convenience Stores

### 7-ELEVEN

Store cash register

Tell the cashier that you want to make an "Internet Payment"

Tell the cashier the "payment slip number" (13 digits).

Pay the entrance examination fee at the cash register.

Be sure to receive the receipt (receipt slip form).

### Daily YAMAZAKI / YAMAZAKI DAILY STORE

Store cash register

Tell the cashier that you want to make an "Online Payment".

Tell the cashier the "online payment number" (11 digits).

Pay the entrance examination fee at the cash register.

Be sure to receive the receipt (receipt slip form).

### LAWSON / MINISTOP

Loppi

Select "Those who have a number".

Enter the "customer number (11 digits)".

Select the "multi-payment service".

Enter the "confirmation number (6 digits)".

Confirm the payment information.

Bring the printed application ticket (acceptance slip) to the cash register to pay the examination fee in cash. Please pay at the cash register within 30 minutes after the application ticket (acceptance slip) is printed.

Be sure to receive a payment receipt or receipt form.

### FamilyMart

Multi-functional copy machine

Select "Payment/Charge (Convenience Store Payment/Charge)".

Enter the "customer number (11 digits)".

Enter the "confirmation number (6 digits)".

Confirm the payment information.

Bring the printed application ticket (acceptance slip) to the cash register to pay the examination fee in cash. Please pay at the cash register within 30 minutes after the application ticket (acceptance slip) is printed.

Be sure to receive a payment receipt or receipt form.

### Seicomart

Store cash register

Tell the cashier that you want to make an "Internet Payment"

Tell the cashier the "online payment number" (11 digits).

Pay the entrance examination fee at the cash register.

Be sure to receive a payment receipt or receipt form.

## 4 Bank ATMs

### ATMs with Pay-easy

ATMS with Pay-easy

Select "Tax and Fee Payment,". etc.

Enter the receiving agency number "58021".

Enter the "customer number (11 digits)".

Enter the "confirmation number (6 digits)".

Confirm the payment information.

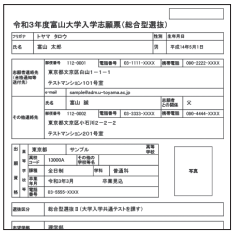
Select "Cash" and "Cash Card" and pay the entrance examination fee.

Be sure to receive the statement.

STEP 4

# Printing required documents

Please log in from the "Confirm Application/Print Application Form" button and print the application form and other required documents in color on A4 paper.



Application form PDF (image)

STEP 5

# Mailing application documents

**Please note that your application is not complete just by registering.**

Please send the documents required for the application by "**Registered express mail**" from the post office window during the application period.

## ■ Application Documents

One copy is required for each application registration.

Please refer to pages 25to 26 of the university's application guidelines to prepare the documents required for application.

<Deadline for submission of application documents>

See page 24


**The mailing address for the application documents is automatically printed on the address sheet.**

Paste the address sheet on a commercially available square No. 2 envelope (240mm x 332mm)please.

**Once received, the application fee and application documents will not be returned except for reasons specified in the application guidelines.**

# < Application completed >

We will not respond to any inquiries regarding acceptance by telephone or other means.

STEP 6

# Print your admission ticket

see page 26

You will be able to print your admission ticket from the online application site after the date of issuance of your admission ticket. Please log in from the "Print Examination Ticket" button and print it. Be sure to print the admission ticket in color on A4 paper and bring it with you on the day of the examination.

(1) Advance preparation

| Documents, etc. | summary |
|---|---|
| Recommended System Environmentst | Recommended browsers for PC<br>- Microsoft Edge (latest version)<br>- Google Chrome (latest version)<br>- Mozilla Firefox (latest version)<br>- Apple Safari (latest version)<br>※If you use your browser's tab function to make multiple applications at the same time in several tabs, the selected content may be carried over to another tab, or other problems may occur. Please refrain from using multiple tabs at the same time.<br>To return to the previous screen, please use the "Back" button on the screen instead of your browser's "Back" button.<br><br>Recommended Smartphone and Tablet Browsers and OS<br>The standard browser for each operating system is the recommended environment.<br>- iOS: 12 or later<br>- Android OS: 8 or later<br>- iPadOS: 13 or later<br>※If one browser does not display the page properly, please check with another browser.<br>※You may not be able to view PDF files from the PC version of Chrome when operating from an Android smartphone, so please use the mobile version. |
| Software needed for downloading or printing PDF files | Adobe Reader is necessary to view or print the application form in a PDF format. Please download the Adobe Reader software from the Adobe website (free download). |
| E-mail address | A valid email address is required for your application. Please be ready to provide your email address when you start your online registration for application.<br>We recommend that you use an email address that can be used with a computer in order to print out the application form.<br>Also, please check your email settings to ensure that you receive emails from the following domain: @e-apply.jp |
| Personal photo | Face photo of the applicant in the application (jpeg, jpg, png, bmp) is required.File will be up to 10MB.<br>A photo size ratio of 4:3 is recommended.<br>The photo will be used for identification purposes.<br>Please prepare a clear (front-facing, upper body, no hat, no background) photograph in color taken within 3 months prior to submission.<br>It should be noted that, if it is determined that it is not suitable as application photos, there is a case to be re-submitted. |
| Printer | In order to output the application form and examination admission ticket (PDF), print on A4 plain paper. You need a color printer that can be used with printing paper (plain paper, PPC paper, OA common paper, copy paper, etc.) Please to mind. |
| Square 2 envelope | Use a commercially available square 2 envelope (240 mm x 332 mm). Please use the "address sheet" that is output when you print the admission application form and paste it on the envelope. |

(2) Application Period

| Category | | Application Period |
|---|---|---|
| Enrollment in October 2025 | General Admission Examination, Special Admission Examination for Working Adults, and Special Admission Examination for International Students | Friday, July 11 to Friday, July 18, 2025 at 17:00 |
| Enrollment in April 2026 (The first recruitment) | General Admission Examination, Special Admission Examination for Working Adults, and Special Admission Examination for International Students | |
| Enrollment in April 2026 (The second recruitment) | General Admission Examination, Special Admission Examination for Working Adults, and Special Admission Examination for International Students | Monday, January 19 to Monday, January 26, 2026 at 17:00 |

Registration for online application and payment of the application fee are available from 9:00 a.m. on the first day of each application period.

If you hand in the documents in person to the University, they are accepted between 9:00 and 17:00 on weekdays.

Applications by mail must arrive no later than 17:00. on the application deadline. However, only registered express mail postmarked on or before the day before the application deadline (postmarked by mail within Japan only) will be accepted even if it arrives after the application deadline.

(3) Examination fee

30,000 yen.

Payment of the examination fee will be made after completion of the registration of application details in STEP 2 on page 20. Please apply through the university's " online application website (https://e-apply.jp/ds/toyama-gs/)" and pay the application fee after completing the applicant registration. Please check the payment method in STEP 3 (Payment of the Examination Fee) on page 21. After paying the application fee, you will be able to print out the application form.

A separate handling fee is required for payment of the examination fee. The fee is to be paid by the payer.

In addition, there is a system of exemption from the examination fee for those affected by disasters. For more information, please refer to the University's website.

Once the examination fee has been received, it will not be refunded for any reason, except in the following cases.

[1] Cases in which a refund of the examination fee may be requested and the amount of refund.

(i) If you paid the application fee but did not apply to the University of Toyama (did not submit the application documents, etc. or your application was not accepted) [Refund Amount] 30,000 yen

(ii) In case of double payment of the examination fee [Refund Amount] 30,000 yen

(iii) If you have paid a large amount of the examination fee [Refund Amount] The amount you have paid in excess of the examination fee

Please note that any bank transfer fees associated with the refund must be borne by the recipient.

[2] Method of claiming refund

Please fill out the attached " written claim for refund of examination fee " and mail it to the University.

Send to: Accounting Division Ⅰ of Finance and Facilities Department ,

University of Toyama 3190 Gofuku, Toyama City, Toyama 930-8555
Phone: 076-445-6053

(4) Application Documents

Applicants must submit the required documents in an envelope with an "address sheet" attached. If mailed, please use by registered express mail (EMS or other traceable means if mailing from abroad). Applicants must send the required documents after the payment of the examination fee in STEP 3 on page 21 is completed.

**Documents to be printed from Online application website**

| Documents, etc. | | Notes |
|---|---|---|
| [1] | Application for admission | Please print out the application form in **A4 size in color** from online application website.<br>Printing is available after payment of the application fee. |
| [2] | Address sheet | Please print out the application form in **A4 size in color** from online application website.<br>Attach it to a commercially available square 2 envelope (240mm x 332mm) |
| [3] | Pledge | Please print out the application in **A4 size** from online application website.<br>See "8 Security Export Control" on page 29. |

**Be sure to check the printed information for errors.**

**Documents to be prepared by applicants**

| Documents, etc. | | Description |
|---|---|---|
| [1] | Reasons for Application (Only applicants for the Medical Sciences program) | The form designated by the university shall be used. |
| [2] | Certificate of graduation (Certificate of expected graduation) | The document shall be prepared by the president (dean) of the university the applicant graduated from. (Applicants who have graduated or are expected to graduate from University of Toyama do not need to submit it.) |
| [3] | Academic transcript | The document shall be prepared and sealed by the president or dean of the university the applicant graduated from.<br>However, no sealing is required when anti-counterfeiting and anti-copying paper is used. |
| [4] | Letter of approval for taking the examination | Applicants who are currently enrolled in other graduate schools, etc., or who are currently employed in government agencies, corporations, etc., are requested to attach an examination approval form from the dean or head of the relevant graduate school.<br>(Any form acceptable) |
| [5] | Copy of Certificate of Residence, etc. (Persons with foreign nationality only) | Applicants who has a foreign nationality and currently lives in Japan is requested to submit a copy of their residence certificate or residence card (with both sides copied) issued by the mayor of the city, town or village or the head of the special ward. |
| [6] | TOEFL / TOEIC/IELTS Score Sheet (copy) (Only for relevant applicants) | Submit a copy of the score sheet for one of the following tests.<br>If you are unable to submit your score sheet at the time of application, please submit a document indicating that you have taken or are planning to take the following examination (e.g. a copy of the Examination Admission Card), and submit the score sheet (copy) before the day of the admission examination.<br>[1] Score Report for the applicant of TOEFL-iBT<br>[2] Score Report of TOEFL-ITP<br>[3] Official Score Certificate of TOEIC Listening & Reading<br>[4] Score Report of TOEIC L&R-IP |

| | | |
|---|---|---|
| | | [5] Test Report Form-TRF of IELTS<br>Only the score sheets of the tests taken on and after September 1, 2023 are valid and acceptable.<br>Please be sure to bring the original to the examination to be verified on the day of the examination.<br>(* Only the Nursing Sciences program has no restriction on the examination date. ) |
| [7] | Certificate of employment (Only for applicants for the Special Admission Examination for Working Adults) | This certificate shall be issued by the applicant's workplace manager certifying that the applicant has at least 3 years' work experience (in any form acceptable). |
| [8] | Performance Record (Only for applicants for the Special Admission Examination for Working Adults) | Please specify the following information. (Any form acceptable)<br>[a. Summary of Work Experience] Provide an overview of your work experience in approximately 400 characters.<br>[b. Presentation records at academic conferences, etc.] List all presenters, names of conferences, locations, and year, and summarize each presentation within 100 characters.<br>[c. Theses, etc.] Specify names of all authors, titles, journals, volumes, issues, pages, year of issue, and summarize each thesis within 100 characters.<br>[d. Books] Specify the names of all authors, titles, publishers, year of publication. if the applicant authored chapters in books, specify chapter titles. |

(Note) (1) The designated form shall be downloaded from our website and printed out in A4 size.
(2) For documents written in languages other than Japanese or English, attach Japanese or English translations to them.

## 2. Printout of the Examination Voucher

(1) The examination voucher will be available for printing on online application website after the date of issuance of the voucher after the University receives the application documents sent by the applicant. When the examination voucher is ready for printing, a notification will be sent to the email address registered at the time of the online application.

**Date of Issue of Examination Voucher.**

| Category | Deadline |
|---|---|
| Enrollment in October 2025 | 15:00 on Wednesday, August 6 , 2025 (tentative) |
| Enrollment in April 2026 (The first recruitment) | |
| Enrollment in April 2026 (The second recruitment) | 15:00 on Thursday, February 12, 2026 (tentative) |

(Note) The date of issuance of examination vouchers is tentative and may be subject to change.

(2) Log in to My Page from "Login" on online application website. In order to log in, you will need [your email address and the password you set yourself].

(3) After log in, please download the examination voucher. Please print out the examination voucher in color on A4 paper and bring it with you on the day of the examination. Please note that a separate notification of examination instructions will be sent to you by e-mail, so please make sure you read them carefully before taking the examination.

**Precautions**

(1) After printing the examination voucher, be sure to check the information on it. If the information is different from what you registered for the application, please contact the Examination Section of the Admissions Office for Educational Affairs Division of Sugitani Area Administration Department as soon as possible.
Also, be sure to check that the examination number on the computer screen and the number on the printed examination voucher match.

(2) Even if you do not receive an e-mail, please log in to online application website and print out the examination voucher.

(3) The number you receive when you register your application online is not your examination number. Please be sure to bring your examination voucher with you on the day of the examination, as you will not be allowed to take the examination using your reception

number.

(4) On the day of the examination, it is not acceptable to present the examination voucher by displaying it on the screen of a smartphone or other such device. Be sure to bring the printed examination voucher and keep it in a safe place after the examination.

## 3. Examination of Eligibility for Application

Applicants who intend to file their applications for the General Admission Examination (9) through (11), Special Admission Examination for Working Adults (9) and (10), and the Special Admission Examination for International Students (3) and (4) will be individually examined in advance. In such cases, make an inquiry to the following section in advance and submit the requested documents by the due date.

[Inquiry and Submission]
Examination Section of Admissions Office, Educational Affairs Division, Sugitani Area Administration Department, University of Toyama
2630 Sugitani, Toyama City, Toyama Prefecture, 930-0194, Japan
Phone: 076-434-7658

(1) Documents necessary for Examination of Eligibility for Application
[1] Application for Examination of Eligibility for Application (form designated by the University)
[2] Academic Transcript
Applicants eligible to apply for the General Admission Examination (11) are also requested to submit an education curriculum of the faculty in which the applicants have enrolled.
[3] Certificate of graduation (certificate of expected graduation)
[4] Copy of Certificate of Residence (only applicants who have a foreign nationality and currently live in Japan)
[5] Curriculum Vitae (form designated by the University)
[6] Envelope (Chokei 3: 23.5 cm × 12 cm) for sending documents to the applicants (clearly indicate your name, address, and postal code on the envelope with stamps worth 410 yen attached).
[7] Other necessary documents
* The originals of each certificate must be submitted. Copies will not be accepted. Documents written in foreign languages must be submitted with Japanese translation.

(2) Deadline for the submission of documents

| Category | Deadline |
|---|---|
| Enrollment in October 2025 | 16:00 on Thursday, July 3, 2025 |
| Enrollment in April 2026 (The first recruitment) | |
| Enrollment in April 2026 (The second recruitment) | 16:00 on Friday, January 9, 2026 |

As a rule, application documents shall be submitted by mail and must reach the University by the above-mentioned deadline.

If an applicant hands in the documents himself/herself to the university for some inevitable reason, we will accept them between 9:00 and 16:00 on weekdays. They will not be accepted after the deadline.

(3) Notification of the examination results

We will send the result of the preliminary examination to each applicant by the following date .

| Category | Notification |
|---|---|
| Enrollment in October 2025 | By Thursday, July 10, 2025 |
| Enrollment in April 2026 (The first recruitment) | |
| Enrollment in April 2026 (The second recruitment) | By Friday, January 16, 2026 |

## 4. Announcement of Successful Applicants

At the following date, the examinee's numbers of successful applicants will be posted on the website of the University of Toyama, and a Notification of Acceptance will be sent to the applicants by mail.

We will not respond to any inquiries by telephone or other means.

| Category | Announcement |
|---|---|

| | |
|---|---|
| Enrollment in October 2025 | 15:00 on Tuesday, September 2, 2025 |
| Enrollment in April 2026 (The first recruitment) | |
| Enrollment in April 2026 (The second recruitment) | 15:00 on Friday, March 6, 2026 |

## 5. Admission Procedure

The admission procedure is as follows. More details will be separately notified to the successful applicants.

(1) Admission procedure deadline

| Admission period | Deadline date |
|---|---|
| Enrollment in October 2025 | Friday, September 12, 2025 |
| Enrollment in April 2026 (The first recruitment) | Wednesday, January 21, 2026 (provisional) |
| Enrollment in April 2026 (The second recruitment) | Friday, March 13, 2026 (provisional) |

(2) Expenses required for the admission procedure

a. Enrollment fee: 282,000 yen (provisional)

(Note) [1] The enrollment fee shown above is still provisional. If it is revised at the time of enrollment, the new enrollment fee will apply.

[2] The paid enrollment fee will not be refunded.

b. Others

[1] Persons who find it difficult to pay the enrollment fee may be exempted or deferred from collection after deliberation.

[2] Tuition fees must be paid after enrollment. The exact amount of the tuition fee and detailed method of the payment will be announced at the time of the admission procedure.

<Reference> The tuition fee of academic year 2025: 535,800 yen.

[3] There is a scholarship system of Japan Student Services Organization.

[4] Other expenses include the fee for the Personal Accident Insurance for Students Pursuing Education and Research.

(3) Remarks

Persons who have not completed the admission procedure by the Admission procedure deadline will be considered to have declined the admission.

## 6. Policy on Personal Information Protection

Personal information possessed by University of Toyama will be handled based on the Act on the Protection of Personal Information, and University of Toyama Personal Information Protection Policy.

(1) Personal information (including name, address, etc.) of applicants that comes to the knowledge of the University through the application shall be used for [1] applicant selection procedure (application processing and selection), [2] announcement of successful applicants, [3] admission procedure, [4] survey/study of the selection method, and [5] operations associated with those purposes.

(2) Personal information of those who completed the admission procedure that comes to the knowledge of the University through the application shall be used for post-admission operations related to [1] academic affairs (registration, study guidance, etc.), [2] student support (health care, application for tuition exemption or scholarship, career support, etc.), [3] tuition collection work, and [4] statistical survey and data analysis.

(3) We may use only the successful applicants' numbers, names, and addresses for the purpose of contact from the University's relevant bodies, such as Alumni Association, Supporting Group and Cooperative Society.

(Note) Applicants who do not wish to be contacted by the above bodies are requested to inform the Educational Affairs Division of Sugitani Area Administration Department to that effect.

(4) University of Toyama may have contractors do some kind of university operations. When conducting the operations, all or part of the personal information obtained shall be provided to the contractor to the extent necessary to perform the operations; however, University of Toyama supervises the use of information to ensure compliance with confidentiality.

## 7. Notes on Application

(1) The use of AI such as ChatGPT is prohibited in documents prepared by applicants themselves.

(2) If any submitted application document is incomplete, the application may not be accepted.

(3) Accepted application documents will not be returned for any reason.

(4) Even after admission has been granted, if any discrepancy is found with the information in the submitted documents, the admission may be cancelled.
(5) For inquiries related to the application and other matters, contact the following section:
Examination Section of Admissions Office, Educational Affairs Division of Sugitani Area Administration Department, University of Toyama,
2630 Sugitani, Toyama City, Toyama Prefecture, 930-0194, Japan
Phone: 076-434-7658

## 8. Security Export Control

The University of Toyama has established the "University of Toyama Security Export Control Regulations" based on the "Foreign Exchange and Foreign Trade Act", and conducts strict screening for security export control in the perspective of providing technology and export of research equipment and materials. If applicants who fall under any of the regulated items, you may not be able to get the permission to enroll, and receive the desired education at the university. There may be restrictions on your desired research activities.

[Reference] “University of Toyama Regulations Concerning Security Export Control”
URL http://www3.u-toyama.ac.jp/soumu/kisoku/pdf/0110401.pdf

## 9. Preliminary Consultation for Applicants with Disabilities

Applicants with disabilities (visual impairment, hearing impairment, physical disability, sickness, injury, developmental disability, etc.) who may require special arrangements in their admission examinations or in class should contact the Educational Affairs Division of Sugitani Area Administration Department prior to application.

If necessary, the University may hold interviews with the applicant or his/her previous school’s staff members, who may represent him/her.

* Even if you apply for prior consultation, you are not obliged to apply to the University of Toyama.

(1) Consultation deadline

| Category | Deadline |
|---|---|
| Enrollment in October 2025 | 16:00 on Thursday, June 26, 2025 |
| Enrollment in April 2026 (The first recruitment) | |
| Enrollment in April 2026 (The second recruitment) | 16:00 on Friday, December 26, 2025 |

(2) Consultation method

Please download a Preliminary Consultation application form from the University's website or create an application form containing the following information and submit it together with a doctor's medical certificate (its copy is also acceptable) to the Examination Section of Admissions Office, Educational Affairs Division of Sugitani Area Administration Department.

[1] Name, gender, date of birth, address, telephone number and e-mail address
[2] Program of choice and category of admission examination
[3] Type and degree of disability
[4] What special considerations the applicant desires during the admission examination
[5] What special considerations the applicant desires during study
[6] Measures taken at the previous university, etc. (Comments of the applicant’s academic advisor)
[7] Situation of daily life
[8] Other matters for reference (Please also submit any reference materials to be used for consultation, e.g. a copy of Physical Disability Certificate, etc.)

(Reference) Preliminary Consultation Application Form page
(University’s Home Page) → “Admission exam information” → “Preliminary consultation for applicants with disabilities”

(3) Contact for consultation
Educational Affairs Division of Sugitani Area Administration Department, University of Toyama, 2630 Sugitani, Toyama City, Toyama Prefecture, 930-0194, Japan
Phone: 076-434-7658
FAX: 076-434-4545

(Note) If you wish to use hearing aids, crutches, wheelchairs, etc., used in your daily life, during the examination, arrangements may be required in the examination venue settings, etc., so please contact us beforehand.
Preliminary consultation is intended to inform applicants with disabilities about the current situation of the University in advance and to find a better or ideal way when they take an admission examination and/or lessons; it is not intended to restrict their admission and study.

(Reference) Please refer to the Guidelines for staff to eliminate discrimination on the basis of

disability at Toyama University
(University's Home page) → "About the University of Toyama" →
"Information"→"Information on University Administration".

## 10. Admissions Disclosure

The following are the criteria for determining the pass/fail status of the 2026 Graduate School of Medicine and Pharmaceutical Sciences (Master's Course), as well as the intent of the questions, sample answers, etc.

(1) Criteria for Acceptance/Failure

Medical Science Program

[1] General admission examination

The essay and aptitude test are worth 150 points, the foreign language (English) test is worth 100 points, and the oral examination and others are worth 50 points. A total score of 150 points or more out of 300 is required to pass.

[2] Special admission examination for working adults

The performance evaluation is worth 150 points, the foreign language (English) test is worth 100 points, and the oral examination and others are worth 50 points. A total score of 150 points or more out of 300 is required to pass.

[3] Special admission examination for international students

The essay and aptitude test are worth 150 points, the foreign language (English) test is worth 100 points, and the oral examination and others are worth 50 points. A total score of 150 points or more out of 300 is required to pass.

If the applicant scores 0 points in the English examination or less than 30 points in the oral examination, he/she will be disqualified.

Nursing Sciences Program

[1] General admission examination

The essay and aptitude test are worth 150 points, the foreign language (English) test is worth 100 points, and the oral examination and others are worth 50 points. A total score of 150 points or more out of 300 is required to pass.

[2] Special admission examination for working adults

The performance evaluation is worth 150 points, the foreign language (English) test is worth 100 points, and the oral examination and others are worth 50 points. A total score of 150 points or more out of 300 is required to pass.

[3] Special admission examination for international students

The essay and aptitude test are worth 150 points, the foreign language (English) test is worth 100 points, and the oral examination and others are worth 50 points. A total score of 150 points or more out of 300 is required to pass.

If the score of the foreign language (English) examination is 0, the applicant will be disqualified.

Pharmaceutical Sciences Program

[1] General admission examination

The essay and aptitude test are worth 150 points, the foreign language (English) test is worth 100 points, and the oral examination and others are worth 50 points. A total score of 150 points or more out of 300 is required to pass.

[2] Special admission examination for international students

The essay and aptitude test are worth 150 points, the foreign language (English) test is worth 100 points, and the oral examination and others are worth 50 points. A total score of 150 points or more out of 300 is required to pass.

Applicants who score less than 50 points on the English examination will be disqualified.

(2) Purpose of Questions and Sample Answers

[1] Essay and Aptitude Test: The purpose of the questions and sample answers will be published.

[2] Foreign Language (English): The purpose of the test and sample answers will be published.

[3] Oral Examination: The purpose of the questions will be published.

(3) Others

[1] Intentions of the questions, sample answers, etc. will be announced on the website of the Graduate School.

[2] Scores of the entrance examination will not be disclosed.

## VI Graduate School of Medicine and Pharmaceutical Sciences

The Graduate School of Medicine and Pharmaceutical Sciences is characterized by integrated education and research in medicine, pharmacy and nursing, allowing students to learn high-level practical expertise with a wide range of knowledge, as well as creativity skills based on the spirit of respect for human beings, so as to develop people who can actively contribute to the advancement of academic research and society as advanced medical professionals or educational researchers equipped with good comprehensive judgment.

Based on this objective, a degree will be granted to persons who have made academic achievements confirmed by this graduate school through acquisition of not only universal knowledge and skills in medicine, pharmacy, and nursing based on the fundamental abilities in a wide range of fields of education and research, but also the ability to think and act on their own to create something new based on the advanced specialized knowledge and ethics.

Please note that all graduate schools that will be reorganized in the 2022 academic year will adopt a four-term (quarter) system, and each course will be offered in principle on a single-term basis. Each term lasts for 8 weeks.

**Comparison of two-term (semester) and four-term (quarter) systems**

| | Name of each term | | | |
|---|---|---|---|---|
| Two-term (semester) system | First semester | | Second semester | |
| Four-term (quarter) system | First term | Second term | Third term | Fourth term |

# Overview of each program

## 1. Medical Sciences

### (1) Purpose and Degree

The Medical Science program is designed to develop people who can improve their skills to go on to the graduate school's doctoral course or become professional medical specialists or specialist business workers through their experiences of acquiring specialty knowledge in medical science, practicing medical science research, presenting research results, and writing research papers.

A master's degree (medical science) will be awarded to persons who have completed this program.

### (2) Special Measures for Educational Methods

In order to allow persons currently in employment to study without leaving their jobs, special measures can be taken in accordance with the "Special Provision on Educational Method Stipulated in Article 14 of the Standards for Establishment of Graduate Schools."

Persons eligible for the special educational measures can attend classes and research guidance not only in the daytime, but also at night if they submit a course plan in consultation with their academic advisors. As a rule, the night classes are scheduled between 18:10 and 21:20 from Monday through Friday. Apart from this schedule, eligible students can take the classes on Saturdays or during summer holidays depending on the class subject.

Class hours are scheduled as follows.

| | | |
|---|---|---|
| 1st Period 8:45 to 10:15 | 2nd Period 10:30 to 12:00 | 3rd Period 13:00 to 14:30 |
| 4th Period 14:45 to 16:15 | 5th Period 16:30 to 18:00 | |
| 6th Period 18:10 to 19:40 | 7th Period 19:50 to 21:20 | |

### (3) Requirements for Completion of Courses

As a rule, students must be enrolled for at least 2 years, take the designated classes (including special researches) to obtain 30 or more credits, receive the necessary research supervision, and pass the dissertation and final examination.

However, with regard to the period of enrollment, if a person has achieved excellent research results, a master's degree will be awarded to the person on condition that he/she is enrolled in the Master's Course of Graduate School for at least one year.

In addition, if a student, due to circumstances such as having an occupation, etc., puts forward a plan to take and complete a course in a planned manner for a certain period beyond the standard length of study (2 years), the plan may be approved.

### (4) List of Research Projects Conducted by Academic Advisors

See the attached Table I-1.

## 2. Nursing Sciences

### (1) Purpose and Degree

In order to respond to the diverse needs of modern society, the purpose of this program is to develop highly specialized medical professionals or educational researchers who can play an active role in the fields of health, medical care and welfare by comprehensively utilizing the results of research and interdisciplinary knowledge in the specialized field of nursing.

This program includes Researcher course, Certified Nurse Specialist (CNS) (Maternal-Child Nursing CNS and Cancer Nursing CNS) course, and Nurse Practitioner (NP) course. Of these, the Certified Nurse Specialist (CNS) and Nurse Practitioner (NP) courses require nursing experience. Also, the Nurse Practitioner (NP) course is designed for a small number of excellent students, so we will take about 2 persons per year.

A master's degree (nursing sciences) will be awarded to persons who have completed this program.

### (2) Special Measures for Educational Methods

In order to allow persons currently in employment to study without leaving their jobs, special measures can be taken in accordance with the “Special Provision on Educational Method Stipulated in Article 14 of the Standards for Establishment of Graduate Schools.”

Persons eligible for the special educational measures can attend classes and research guidance not only in the daytime, but also at night if they submit a course plan in consultation with their academic advisors. As a rule, the night classes are scheduled to be taken from 18:10 to 21:20 from Monday through Friday. Apart from this schedule, you can take the classes on Saturdays or summer holidays depending on the class subject.

Class hours are scheduled as follows.

1st Period 8:45 to 10:15　2nd Period 10:30 to 12:00　3rd Period 13:00 to 14:30
4th Period 14:45 to 16:15　5th Period 16:30 to 18:00
6th Period 18:10 to 19:40　7th Period 19:50 to 21:20

Also, please note that practical training in the Certified Nurse Specialist (CNS) and Nurse Practitioner (NP) courses will be conducted during the daytime on weekdays.

### (3) Requirements for Completion of Courses

As a general rule, students must be enrolled for at least 2 years and acquire the following credit: at least 30 for the Researcher course (or 32 if Maternal-Child Nursing is chosen), at least 54 for the Certified Nurse Specialist (CNS) course (Maternal-Child Nursing CNS, and Cancer Nursing CNS), and at least 70 (Acute care) or 65 (Chronic care) for Nurse Practitioner (NP) course. In addition, they are required to pass the dissertation and final examination after receiving the necessary research supervision.

However, with regard to the period of enrollment, if a student has achieved excellent research results, a master’s degree will be awarded to the student on condition that he/she is enrolled in this course of the Graduate School of Sustainability Studies for at least 1 year.

In addition, if a student, due to circumstances such as having an occupation, etc., puts forward a plan to take and complete a course in a planned manner for a longer period up to 4 years beyond the standard length of study (2 years), the plan may be approved.

### (4) List of Research Projects Conducted by Academic Advisors

See the attached Table I-2.

## 3 Pharmaceutical Sciences

### (1) Purpose and Degree

The Pharmaceutical Sciences program is designed to provide students with a wide range of knowledge and deep expertise, abundant medical creativity, and good comprehensive judgment with respect for human beings, so that it nurtures people who can contribute to the progress of people's health and academic research as researchers, educators, engineers, and specialists who are responsible for the development and dissemination of pharmaceuticals.

A master's degree (pharmaceutical sciences) will be awarded to persons who have completed this program.

### (2) Special Measures for Educational Methods

In order to allow persons currently in employment to study without leaving their jobs, special measures can be taken in accordance with the “Special Provision on Educational Method Stipulated in Article 14 of the Standards for Establishment of Graduate Schools.”

Persons eligible for the special educational measures can attend classes and research guidance not only in the daytime, but also at night if they submit a course plan in consultation with their academic advisors. As a rule, the night classes are scheduled between 18:10 and 21:20 from Monday through Friday. Apart from this schedule, eligible students can take the classes on Saturdays or during summer holidays depending on the class subject.

Class hours are scheduled as follows.

| | | |
|---|---|---|
| 1st Period 8:45 to 10:15 | 2nd Period 10:30 to 12:00 | 3rd Period 13:00 to 14:30 |
| 4th Period 14:45 to 16:15 | 5th Period 16:30 to 18:00 | |
| 6th Period 18:10 to 19:40 | 7th Period 19:50 to 21:20 | |

### (3) Requirements for Completion of Courses

As a rule, students must be enrolled for at least 2 years, take the designated classes (including special researches) to obtain 30 or more credits, receive the necessary research supervision, and pass the dissertation and final examination.

However, with regard to the period of enrollment, if a person has achieved excellent research results, a master’s degree will be awarded to the person on condition that he/she is enrolled in the Master’s Course of Graduate School for at least one year.

In addition, if a student, due to circumstances such as having an occupation, etc., puts forward a plan to take and complete a course in a planned manner for a certain period beyond the standard length of study (2 years), the plan may be approved.

### (4) List of Research Projects Conducted by Academic Advisors

See the attached Table I-3.

Table I-1 List of Research projects Conducted by Academic Advisors (Medical Sciences)

| Educational area<br>Responsible teacher<br>Contact address | Research contents |
|---|---|
| Anatomy<br><br>Professor<br>ICHIJO Hiroyuki<br>ichijo@med | Using the advantages and specificities of in vivo and in silico studies, we study the neural basis of experience-dependent modification of neural circuits that regulate emotion and behavioral change, and evolution of the neural mechanisms of innate attack and defense behaviors. |
| Physiology<br><br>Professor<br>TAMURA Ryoi<br>(will be retired in March 2026)<br>rtamura@med | This century will be the era of brain sciences. "The mind" has long been regarded as one of the most enigmatic psychological processes. Recent technological advances have enabled us to approach the neural basis of the mind. The purpose of our research is to elucidate brain mechanisms of "learning and memory", one of the key members of the mind. For this, we mainly use laboratory animals such as monkeys and rats, record neural activities in the brain of the animals while they perform a behavioral (learning and memory) task or they are asleep subsequent to the task performance, and analyze the pattern of brain activities. |
| Physiology<br><br>Professor<br>NISHIMARU Hiroshi<br>nishimar@med | The amount of information processed in our brain in our daily life is estimated to be about 10 billion bits per second. These processes are carried out by the neural networks in the brain which are thought to be a real-time massive parallel processing system. Unraveling the mechanisms and principles of these networks is crucial for understanding how our brain works and also provides us a hint to live through the modern highly information-oriented society. To this end, we utilize neurophysiological and neuropsychological experimental approaches to elucidate higher brain functions including cognition of sensory information (input system), and behavioral manifestation based on sensory perception, memory, decision-making and motor control (output system). |
| Brain Science<br><br>Professor<br>INOKUCHI Kaoru<br>inokuchi@med | Recently it has been clarified that neurons in the brain are active even when animals sleep or rest, denoted as “idling brain state”. Idling activity of the brain appears to play important roles in information processing than previously thought. In our laboratory, we aim to clarify the role played by idling brain by making full use of molecular biology, biochemistry, cell biology, histochemistry, electrophysiology,behavioral pharmacology, optogenetics, and live-imaging. |
| Systems Function and Morphology<br><br>Professor<br>ITO Tetsufumi<br>itot@med | We do not sense the world as it is, but do collect the information which is important for our survival and recognize the sensory objects which are further selected by both unconscious and conscious processes. For the selection, which is essential for survival, animals possess sensory organs and neuronal circuitry which are optimized for their circumstances. Our laboratory mainly focuses on the hearing system, and study the mechanisms which allow to detect and sense the meaningful information for survival from environmental sounds. Using various techniques, we would like to investigate functional and morphological basis of the brain which allows the coding of sensory information, especially sounds, and the sensory perception. |
| Pathology<br><br>Professor<br>HIRABAYASHI Kenichi<br>hiraken@med | Pathology is a field that deals with the pathophysiology and diagnosis of diseases. Pathology targets a wide range of diseases throughout the body, including not only malignant tumors but also inflammatory diseases. Until now, pathology has focused on the evaluation of macro- and microscopic morphology, but pathology is undergoing major changes with the introduction of molecular diagnostics and comprehensive genetic analysis. In our department, we are conducting clinical and basic research, including molecular methods, to elucidate the functions of diseases and to establish new disease concepts. In particular, we are conducting research on biliary tract and pancreatic diseases. |

| Educational area<br>Responsible teacher<br>Contact address | Research contents |
|---|---|
| Pathology<br><br>Professor<br>TAKATA Katsuyoshi<br>ktakata@med | Pathology is the study of classifying and describing diseases, investigating their characteristics, and researching their causes and development processes. In particular, it involves considering questions such as, "Why do these morphological changes occur in specific organs or tissues?" The essence of pathology research lies in elucidating the mechanisms behind disease onset and progression. In our department, we focus on investigating the mechanisms of disease development in malignant tumors, particularly hematologic tumors, from not only a morphological perspective but also from molecular biology and genetic perspectives. |
| Molecular Immunology<br><br>Professor<br>KOBAYASHI Eiji<br>ekoba@med | Immunity is a biological system that fights on the front lines of infection defense and cancer control. The immune system includes the innate immune system, which works in primary defense, and the acquired immune system, which works in secondary defense. In innate immunity, immune cells such as leukocytes and NK cells play a major role, while in acquired immunity, immune cells called B lymphocytes and T lymphocytes play a major role. The Department of Immunology conducts basic research on human and mouse B and T lymphocytes, focusing on analysis at the single cell level, and conducts research with the aim of applying the results to clinical practice. In addition, we are developing new analytical techniques for cancer immunotherapy and elucidation of immune diseases that occurred by unknown mechanisms. |
| Microbiology<br><br>Professor<br>MORINAGA Yoshitomo<br>morinaga@med | The commensal microbiota on our body surface can affect our health and diseases. However, some microorganisms, which we call pathogens, also induce infectious diseases. We focus on the interaction between the microbiota and pathogenic microorganisms using culture- and molecular-based techniques and try to understand their roles on our health and diseases. |
| Molecular and Medical Pharmacology<br><br>Professor<br>NAKAGAWA Takashi<br>nakagawa@med | Recently, a number of aging- and longevity-related molecules have been identified. Interestingly, most of them are linked with metabolism, and it has been reported that many of energy-sensing pathways are deeply involved in aging process. NAD (Nicotinamide adenine dinucleotide) is an important co-factor, and regulates various cellular processes, including energy metabolism, stress responses, and DNA damage repair. Decline of NAD metabolism causes physiological aging and aging-related diseases, such as cancer, neurodegenerative disease and metabolic disease. Aim of our laboratory is elucidating the molecular mechanism how NAD metabolism and its downstream targets regulate aging process. We also try to develop anti-aging therapeutics. Our lab takes the advantage of state-of-the-art techniques including metabolomics based on LC/MS and GC/MS, and mouse models in which various NAD synthesis and consuming enzymes are genetically engineered. We also elucidate the pharmacological action of KAMPO medicine using metabolomics. |

| Educational area<br>Responsible teacher<br>Contact address | Research contents |
|---|---|
| Epidemiology and Health Policy<br><br>Professor<br>SEKINE Michikazu<br>sekine@med | Our mission is to conduct epidemiological studies and apply the results for health policy. To achieve this mission, we conduct several epidemiological studies. The Japanese civil servants study (the JACS study) comprises approximately 5,000 Japanese civil servants and aims to clarify whether socioeconomic factors, psychosocial stress at work, and work-life balance is associated with the development of poor physical and mental health. The JACS study is an international collaborative study with the British civil servants study (the Whitehall II study) and the Finnish civil servants study (the Helsinki Health Study). The Toyama birth cohort study (the Toyama study) is a birth cohort study of approximately 10,000 Japanese children. The MEXT Super Shokuiku School project comprises approximately 2000 children and their parents. Both studies accumulate epidemiological evidence on health promotion from childhood. The Toyama Dementia Survey is an ageing and gerontological study of approximately 1000 adults aged 65 or more.<br>Postgraduate students become members of the research units and are involved in each step of epidemiological research (i.e. study planning, and conducting, data analysis, and manuscript writing and publishing). The following is examples of current research topics.<br>・International comparative studies on the associations of psychosocial stress at work, work-life balances, health behaviors and personality characteristics with health<br>・International comparative studies on socioeconomic inequalities in physical and mental health<br>・Epidemiological study on the prevention of noncommunicable diseases from childhood<br>・Epidemiological study on the prevention of dementia |
| Legal Medicine<br><br>Professor<br>NISHIDA Naoki<br>nishida@med | We mainly interested in cardiovascular and neuropathology, and aim to establish the new aspect of the field. The area od studies are not localized in morphology, but the method of molecular biology is used. We try to perform investigation to contribute the progress of clinical medicine such as diagnosis and treatment, in addition to progress of forensic medicine. |
| Health Professional Education<br><br>Professor<br>TAKAMURA Akiteru<br>akiteru@med | Students will learn basic theories of pedagogy, andragogy and medical education based on cognitive psychology and behavioral science, etc., and research educational curriculum development, learner evaluation and assessment, teaching methods, etc. using these theories.<br>In addition, we will conduct systems research in the area of primary care, including general practice, community-based comprehensive care, and multidisciplinary collaboration. |
| Molecular Neuroscience<br><br>Professor<br>MORI Hisashi<br>(will be retired in March 2026)<br>hmori@med | We focus on molecular basis of brain function and dysfunction. To develop the novel methods for diagnosis and cure of neurodegenerative and neurodevelopmental disorders, we have used molecular biological approaches to generate new mouse models of such disorders and new probes to detect functional change in the brain. |
| Clinical and Cognitive Neuroscience<br><br>Professor<br>HAKAMATA Yuko<br>hakamata@med | We aim at understanding the neurobiological mechanisms underlying emotional dysregulation associated with distorted cognitions, and using this understanding to develop novel, effective psychological interventions for anxiety and depressive disorders. We address these questions from the integrative view including psychology, cognitive behavioral science, endocrinology, immunology,genetics, and neuroscience. |

| Educational area<br>Responsible teacher<br>Contact address | Research contents |
|---|---|
| Gene Expression and Regulation<br><br>Associate Professor<br>KAIDA Daisuke<br>kaida@med | The gene expression mechanism, which produces proteins based on DNA information, is an essential process, and its abnormalities can lead to various diseases such as cancer and neurological diseases. We focus on elucidating the mechanisms of mRNA splicing, a key process within gene expression, to uncover the causes of these diseases and develop new therapeutic strategies. Furthermore, by utilizing various small molecules, we aim to develop anti-cancer drugs based on splicing inhibitors, as well as therapeutic agents to suppress aging-related diseases, including Alzheimer's disease. |
| Diabetes and metabolism, rheumatic and respiratory diseases<br><br>Professor<br>KATO Masaru<br>ktmasaru@med | ・ Since the number of patients with obesity and type 2 diabetes is increasing due to a high-fat diet, lack of exercise, their prevention as well as treatments are necessary. We are elucidating the pathophysiology from perspectives such as adipose tissue remodeling, regulation of muscle function, and interventions in the gut microbiota.<br>・ We are conducting research on autoantibodies in rheumatoid arthritis and connective tissue diseases.<br>・ The treatment of lung cancer is advancing rapidly with molecular-targeted drugs and immune checkpoint inhibitors. We are providing evidence for treatment strategies for lung cancer through a molecular biology approach and analysis of real-world data. |
| Internal Medicine<br><br>Professor<br>KINUGAWA Koichiro<br>kinugawa@med | Cardiovascular diseases have been increasingly popular in Japan along with aging society. Ischemic heart disease due to atherosclerosis with uncontrolled multiple risk factors, valvular disease in aged population, heart failure as a terminal figure of all heart disorders, and a number of arrhythmias modifying their clinical course are common. It is crucial to find out the underlying mechanisms of them, and to explore the therapeutic and preventive strategies for them. Also, renal diseases are closely related with cardiovascular diseases, and the relationship has been called as cardio-renal syndrome. Not only primary kidney disease such as nephritis, but also secondary renal dysfunction caused by heart failure should be an important target for investigation. |
| Internal Medicine<br><br>Professor<br>YASUDA Ichiro<br>yasudaic@med | Gastrointestinal diseases are very popular and various. The second to fifth causes of cancer death in Japan are currently gastrointestinal cancers. Besides malignant tumors, they include benign tumors, inflammatory, infectious, and functional disorders. We elucidate the pathogenesis of such diseases and conduct basic and clinical studies on the diagnosis and therapy. |
| Internal Medicine<br><br>Professor<br>SATO Tsutomu<br>tsutomus@med | With the advancement of an aging society, patients who have hematological malignancies have been steadily increasing. Since hematological malignancies are highly sensitive to chemotherapy, progress of chemotherapy has been accompanied by that of hematology. Hematopoietic stem cell transplantation was an answer reached by an extreme line of thought that the more chemotherapeutic agent was administered, the more cancer cells were killed. However, there were limits to that therapy, that is, severe side effects and multidrug resistance in tumor cells. Molecularly-targeted therapy and preventing side effects of chemotherapy is modern trends today. To meet such social needs, bench-to-bed research has been conducted in our department. |
| Inflammatory Bowel Disease<br><br>Specially Appointed Professor<br>WATANABE Kenji<br>kenjiw@med | Investigation for optimization of clinical management in patients with Inflammatory Bowel Disease |
| Clinical Infectious Diseases<br><br>Professor<br>YAMAMOTO Yoshihiro<br>yamamoto@med | 〔Research content〕<br>Study of infectious diseases<br>〔Guidance content〕<br>・Pharmacokinetics-pharmacodynamics analysis of antimicrobial agents<br>・Appropriate antibiotic treatment with molecular microbiology<br>・Establishing surveillance system of nosocomial infection<br>・Analysis of prognostic factors of Legionella Infection |

| Educational area<br>Responsible teacher<br>Contact address | Research contents |
|---|---|
| Dermatology<br><br>Professor<br>SHIMIZU Tadamichi<br>(will be retired in March 2027)<br>shimizut@med | Environmental and intrinsic factors cause exacerbation of skin diseases. For example, percutaneous entry of environmental allergens through barrier-disrupted skin is strongly associated with the induction of immunological responses. Exposure to ultraviolet radiation leads to various acute deleterious cutaneous effects including sunburn and immunosuppression, and the long-term consequences lead to premature aging, including photo carcinogenesis. The purpose of our department is to investigate the mechanisms of cutaneous diseases caused by environmental and intrinsic factors. |
| Pediatric Developmental Medicine<br><br>Professor<br>IMAI Chihaya<br>chihaya@med | In Department of Pediatrics, research projects to develop novel diagnostic and therapeutic strategies for intractable diseases in childhood and adolescents are performed. The research projects are set to investigate ways to solve the problems encountered in the clinics and the patient wards.<br>The research projects include:<br>・pediatric hematology/oncology,<br>・pediatric immunology/allergology,<br>・pediatric cardiology,<br>・neonatology,<br>・emergency pediatrics and pediatric intensive care,<br>・pediatric nephrology and rheumatology,<br>・pediatric infectious diseases,<br>・pediatric neurology |
| Neonatology<br><br>Professor<br>YOSHIDA Taketoshi<br>ytake@med | ・Analysis of risk factors for preterm birth using JECS' s data.<br>・ Learn about early intervention for children at high risk of developmental delay<br>・ Conduct epidemiological studies for cranial deformities |
| Neuropsychiatry<br><br>Professor<br>TAKAHASHI Tsutomu<br>tsutomu@med | Recent advances in brain imaging techniques have enabled us to explore brain structure and function non-invasively in vivo. However pathophysiology and mechanisms of mental disorders are still remain elusive. In our department, clinical and basic researches are being performed to elucidate pathophysiology of severe mental illnesses such as schizophrenia and to develop innovative and optimized approaches for diagnosing and treating patients for the purpose of improving their long-term outcome. |
| Diagnostic and Therapeutic Radiology<br><br>Professor<br>NOGUCHI Kyo<br>(will be retired in March 2027)<br>kyo@med | By the rapid development of the medical imaging, not only high-resolution anatomical image but also functional image can be obtained. Using the functional images, we are able to evaluate the function and metabolism of the living body. We aim at developing the new imaging method of early diagnosis with combination of the high-resolution anatomical image and functional image |
| Radiation Oncology<br><br>Professor<br>SAITOH Jun-ichi<br>junsaito@med | Biological effects of physical and chemical stresses (radiation, ultrasound, hyperthermia, plasma and chemicals) and their application for therapeutics. |
| Surgery<br><br>Professor<br>YOSHIMURA Naoki<br>ynaoki@med | We reach an aging society, and coronary disease, aneurysms, peripheral arterial disease increase, and the less invasive surgical techniques should be developed. |
| Surgery<br><br>Professor<br>TSUCHIYA Tomoshi<br>tsuchiya@med | Collaboration with the Department of Biosystems and Biomedical Engineering, Faculty of Engineering, aims to regenerate lung organs. An organ regeneration method to recellularize rat decellularized tissue skeleton will be used to create disease models. Research areas will encompass stem cells, cell adhesion, mechanical stress, and cancer research.<br>(Ref ; https://www.organengineering.com/) |

| Educational area<br>Responsible teacher<br>Contact address | Research contents |
|---|---|
| Surgery<br><br>Professor<br>FUJII Tsutomu<br>fjt@med | The aim of our research is to solve the clinical questions and feed them back to the clinical practice. Research for the science and technology about esophagus-gastro-enterological surgery, liver-biliary-pancreatic surgery, pediatric surgery and breast and thyroid disease surgery. |
| Neurosurgery<br><br>Professor<br>KURODA Satoshi<br>(will be retired in March 2027)<br>skuroda@med | 〔Research content〕<br>Neurosurgical aspects of basic and clinical research are included in this course.<br>〔Guidance content〕<br>(1) Stem cell research<br>(2) Molecular and stem cell research of malignant glioma<br>(3) Angiogenesis of cerebrovascular disorders<br>(4) Cognitive function in neurosurgical disorders<br>(5) Electrophysiological analysis<br>(6) Epidemiological analysis of stroke |
| Orthopaedics and Locomotor System Science<br><br>Professor<br>KAWAGUCHI Yoshiharu<br>zenji@med | ・Developmental biology of skeletal tissues<br>・Pathomechanism of joint destruction<br>・Development of therapeutic strategy for arthritic diseases<br>・Genetic analysis of spinal disorders<br>・Biomarkers of spinal disorders<br>・Clinical outcomes of spinal surgeries<br>・Differentiation induction for malignant soft tissue tumors |
| Obstetrics and Gynecology<br><br>Professor<br>NAKASHIMA Akitoshi<br>akinaka@med | Pregnancy is well balanced with sexual hormones, cytokines, chemokines, or angiogenic factors. As fetuses and mothers talk to each other during pregnancy, the disruption of this talk leads to some diseases in pregnancy, such as preterm labor, preeclampsia, or recurrent pregnancy loss. So far, we have focused on and investigated the relationship between fetuses and mothers from the viewpoints of immunology and molecular biology, especially autophagy, a mechanism for maintaining cellular homeostasis. Recently, we also tackle to develop new diagnostic technics for preterm labor, preeclampsia, or recurrent pregnancy loss, so called “bench-to-bedside”.<br>For the gynecologic cancers, we tried to expect the prognosis by an immunological change in peripheral blood from women with MSI-high endometrial cancers. The technics might be available for other types of cancers. In addition, we investigate the role of autophagy for cervical cancers between with and without the HPV infection. |
| Ophthalmology<br><br>Professor<br>HAYASHI Atsushi<br>ahayashi@med | Ophthalmology is an area to research the eye which plays important roles in quality of life. The eye is a peculiar organ and needs specific approaches for its research. Our department focuses on quantitative analysis of eye movement using eye-tracker in strabismus patients, evaluation of treatment effects on orbital diseases using MRI images, neuroprotection research using ischemia-reperfusion model in animals. Our department is also researching new applications of hyper dry amniotic membrane for eye diseases. We aim translational researches. |
| Otorhinolaryngology - Head and Neck Surgery<br><br>Professor<br>MORITA Yuka<br>yukam@med | We deal with diseases related to the sensory organs necessary for human life, as well as diseases related to breathing, swallowing, and sleep, which are important for maintaining life. In addition, it is necessary to treat all malignant tumors in the head and neck region while considering the preservation of their functions. In our department, we study the relationship between the sensory organs and brain functions, especially hearing and balance, establishing diagnostic and therapeutic methods for intractable middle ear diseases, and developing surgical treatments for nasal and paranasal diseases with emphasis on quality of life. In head and neck cancer treatment, we are conducting research directly related to clinical practice, such as the development of surgical methods for function preservation and the search for biomarkers for the selection of appropriate chemotherapy. |

| Educational area<br>Responsible teacher<br>Contact address | Research contents |
|---|---|
| Urology<br><br>Professor<br>KITAMURA Hiroshi<br>hkitamur@med | Our medical staffs in the department have dedicated themselves to better care for patients having urological diseases. We are conducting basic and translational research for providing various strategies for treatment of the diseases that patients are satisfied with. We are enthusiastic about studying basic science of urology that will lead to a future innovative treatment. |
| Anesthesiology<br><br>Professor<br>TAKAZAKA Tomonori<br>takazawt@med | Anesthesiology has evolved to solve the problem of protecting patients from invasions added during surgery. In the process, anesthetics and analgesics have been developed and devised to administer such drugs effectively. Advances in equipment for monitoring vital signs have enabled anesthesiologists to monitor patients' respiratory and circulatory dynamics. In recent years, closed-loop systems, including electroencephalographs and muscle relaxation monitors, have enabled automatic control of anesthetics. On the other hand, patients undergoing surgery are getting older, and the proportion of patients with preoperative comorbidities is increasing. The number of patients requiring strict respiratory and circulatory control intraoperatively and postoperatively is increasing, and the scope of anesthesiologists' activities is expanding beyond the operating room. In light of this situation, our department is researching and developing anesthesia with fewer complications and optimal postoperative management. |
| Comprehensive<br>Oral Sciences<br><br>Professor<br>YAMADA SHIN-ichi<br>shinshin@med | The oral cavity has many functions and plays an important role in human life. In addition, the relationship between oral bacteria and oral function and many diseases has become clear, and the importance of oral science is being recognized. However, there are aspects where scientific evidence is lacking, so we are conducting research that contributes to extending healthy life expectancy and working to establish scientific evidence.<br>・Research on pathological diagnosis and image diagnosis of oral diseases using artificial intelligence.<br>・Basic research on anticancer drug sensitivity using human oral squamous cell carcinoma cell lines.<br>・Basic research on cancer proliferation and invasion mechanisms using human oral squamous cell carcinoma cells.<br>・Immunological analysis using mouse oral squamous cell carcinoma model.<br>・Research on prevention of oral mucositis using human fibroblasts.<br>・Research on the development of minimally invasive oral cancer treatment. |
| Clinical laboratory medicine<br><br>Professor<br>NIIMI Hideki<br>hiniimi@med | In this master's course, we plan to have students engage in new research and development that advances and develops existing clinical examination methods. In order to advance and develop existing clinical testing methods, specifically, it is necessary to improve at least one of the rapidity, convenience, sensitivity, and specificity of testing, and as a result, contribute to clinical practice. Furthermore, if we can measure new biomarkers that have never existed before, there is even the possibility of creating new medical treatments. As mentioned above, I would like students to boldly take up the challenge of research and development with free thinking and a scientific approach. |
| Japanese Oriental Medicine<br>(Kampo Medicine)<br><br>Professor<br>KAINUMA Mosaburo<br>kainuma@med | Due to the growing interest in Kampo medical practices in recent years, the number of doctors who prescribe Kampo medicine is increasing. Many prescriptions are evidence based, but it is difficult to know what should be done if the prescribed medicine is ineffective? Unfortunately, the number of Kampo medicines supported by evidence-based studies is limited, and something must be done to remedy this situation. The purpose of Basic Japanese Oriental (Kampo) Medicine is to understand the history and pathological concepts of Kampo, then to educate medical professionals in how best to use this knowledge in the diagnosis and treatment of our patients. |

| Educational area<br>Responsible teacher<br>Contact address | Research contents |
|---|---|
| Emergency Medicine<br><br>Professor<br>DOI Tomoaki<br>doit@med | Research Interests<br>The concept of "saving lives" in emergency medicine is the starting point of medicine. Therefore, emergency medicine is an area that all medical professionals should learn.<br>Emergency medicine is a fight against rapidly evolving invasions, and the challenge is how to provide damage control treatment or definitive treatment within the time constraints and limited amount of information to save lives. The analysis of pathophysiology and establishment of treatment methods for invasions are the research targets of emergency medicine.<br>Contents of Instruction<br>1) Standardization of cardiopulmonary resuscitation and development of educational methods.<br>2) Standardization of primary trauma care and development of educational methods for medical professionals.<br>3) Standardization of disaster medicine and development of educational methods. |
| Medical Oncology/Palliative Medicine<br><br>Professor<br>HAYASHI Ryuji<br>hsayaka@med | ・Clinical practice of cancer genome medicine.<br>・The effect of immune check point inhibitor and micro biome.<br>・Epidemiology of the elderly cancer patients.<br>・The different recognition between ordinary person and medical staff.<br>・Research of immuno-oncology with cancer model mice.<br>・Cancer metabolism.<br>・Cancer cell biology and target therapy.<br>・Cancer palliative care & herbal medicine |
| Plastic, Reconstructive and Aesthetic Surgery<br><br>Professor<br>SATAKE Toshihiko<br>toshi@med | Plastic, Reconstructive and Aesthetic Surgery aims to improve the patients' post-operative quality of life by correcting/enhancing the morphology, function, and color of their body surface with surgery, lasers, and other procedures. Our focus is on congenital anomalies of the face, extremities and trunk, trauma care and reconstructive surgery after cancer removal with better functional and cosmetic outcomes, anti-aging treatment, and cosmetic surgery.<br>Our research mission is to look ahead 10-20 years, advance knowledge and create new treatment which is minimally invasive, with excellent functional and aesthetic outcomes and patient satisfaction. |
| Artificial Intelligence and Data Science Research<br><br>Professor<br>TAKAOKA Yutaka<br>ytakaoka@med | In our divisions, we address acupuncture research which is based on molecular cell biology and bioinformatics, molecular simulation-based mathematical modeling of medicine and social medicine research as follows:<br>・Prediction of adverse drug reactions base on molecular simulation and mathematical models<br>・Prediction of drug efficacy of molecularly target drugs for cancer based on molecular simulation and mathematical models<br>・Design of nucleic acid drugs and evaluation of drug efficacy<br>・Application of drug repurposing to computational drug design<br>・Molecular simulation analysis of pathological conditions caused by amino acid substitutions<br>・Application of AI technologies such as machine learning and natural language processing to improvement of hospital functions<br>・Research on diagnostic support of medical images by neural network analysis<br>・Research for medical treatment systems and elderly care service systems<br>・Research for Elderly Health Care as a Public Service of community healthcare<br>・Molecular mechanisms of therapeutic effects of acupuncture |

| Educational area<br>Responsible teacher<br>Contact address | Research contents |
|---|---|
| Rehabilitation Medicine<br><br>Professor<br>HATTORI Noriaki<br>hattorin@med | Based on the conventional concept of rehabilitation, namely, recovering physical and mental functions deteriorated due to diseases or injuries to overcome disabilities, recent rehabilitation medicine focuses on the individual "activity", and is aiming for having patients obtain better ADL (activities of daily living) and QOL (quality of life). The target diseases and injuries are not limited to the neurological and orthopedic diseases, but also include cardiovascular, respiratory, and other visceral diseases, cancer, sarcopenia, and frailty.<br>The subjects of our research are the development of objective indicators for rehabilitation medicine using the latest technology and analysis methods for these disorders, as well as the creation of new rehabilitation intervention methods to promote functional recovery and to improve patients' ADL and QOL. |
| Medical statistics<br><br>Professor<br>YONEMOTO Naohiro<br>yonemoto@med | Biostatistics have purposes to contribute to the development of medical and health care and the improvement of community health through the development and application of statistical methods, modelling, and efficient study designs. Real-world data on medicine and health, as well as clinical trials, clinical research, and epidemiological studies, are increasing exponentially from ever more diverse data sources, as well as rapidly advancing computing, and advanced analysis methods. Our department conducts methodological research on the development of new statistical theories and methods and their applications for medicine and health. |
| Behavioral Physiology<br><br>Professor<br>TAKAO Keizo<br>takao@cts | "Mind" is one of many brain functions. The brain receives and processes various types of information necessary for the emergence of mind. An individual's behavior is the final output of brain functions. Even with today's technology, it is difficult to directly study "mind," but analyses of brain and behavior contribute to elucidating the principles of "mind". Our laboratory aims to resolve the cellular and molecular mechanisms of "mind", including memory, learning, and emotion, using behavioral genetics, optogenetics, data science, and pharmacological and physiological techniques. With these techniques, we also aim to resolve the pathophysiology of neuropsychiatric disorders and to develop treatments for these diseases. In addition, we are working to develop mouse models of nervous system diseases, and new reproductive technologies. |

Table I-2 List of Research projects Conducted by Academic Advisors (Nursing Sciences)

| Educational area<br>Responsible teacher<br>Contact address | Research contents |
|---|---|
| Fundamental Nursing<br><br>Professor<br>NISHITANI Miyuki<br>(will be retired in March 2027)<br>nisitani@med<br><br>Associate Professor<br>YOSHII Miho<br>umiho@med | 1 Research on the development of rationales, methodologies, and scales to improve the quality of nursing practice<br>2 Research on the extraction of nursing logic in nursing practice, nursing education, and nursing management<br>3 Research on infection control<br>4 Research on hand hygiene<br>5 Research on anti-microbial effects of natural ingredients |
| Adult Nursing<br><br>Professor<br>YASUDA Tomomi<br>(will be retired in March 2026)<br>tomomi@med | 1 Research on cancer nursing<br>2 Research on social reintegration of persons with defecation disorders<br>3 Research on health support<br>4 Research on adult nursing education<br>5 Research on education methods for lifesaving and first aid<br>6 Research on nurse practitioner's role, responsibility, decision support, and team medicine across different fields |
| Maternity Nursing<br><br>Professor<br>HASEGAWA Tomomi<br>thase@med | 1 Research on perinatal mental health<br>2 Research on growth and development of children<br>3 Research on mother-child interaction<br>4 Research on family support for mothers and children<br>5 Research on mother-to-child infection<br>6 Research on pediatric clinical nursing |
| Gerontological Nursing<br><br>Associate Professor<br>NAKAHORI Nobue<br>nakahori@med | 1 Research on the health of the elderly<br>2 Research on dementia prevention |
| Psychiatric/Mental Health Nursing<br><br>Professor<br>HIGA Hayato<br>hhiga@med | 1 Research on mental health<br>2 Research on spiritual health<br>3 Research on mental and spiritual health nursing care<br>4 Research on psychiatric nursing education |
| Community Health Nursing<br><br>Professor<br>TAMURA Sugako<br>(will be retired in March 2027)<br>tamusuga@med | 1 Research on the evaluation of community health nursing<br>2 Research on the development of integrated community care and care-systems<br>3 Research on the method of health guidance for health problems caused by lifestyle |
| Human Science<br><br>Professor<br>IWATA Minoru<br>miwa0717@med | 1 Basic research on diabetes and metabolic syndrome<br>2 Clinical research on the management, epidemiology, and etiology of diabetes and metabolic syndrome<br>3 Research on hospital infections<br>4 Research on risk factors and prevention of obesity in university students<br>5 Research on prevention and treatment of musculoskeletal disorders<br>6 Research on social resources that support the recuperation and life of home care patients, and research on the expertise of home nursing |
| Behavioral Science<br><br>Professor<br>HORI Etsuro<br>hori@med | 1 Basic behavioral science research on emotion and communication<br>2 Physio-behavioral research on nursing art and science |

Table I-3 List of Research projects Conducted by Academic Advisors (Pharmaceutical Sciences)

| Educational area<br>Responsible teacher<br>Contact address | Research contents |
|---|---|
| Biopharmaceutics<br><br>Professor<br>HOSOYA Ken-ichi<br>(will be retired in March 2026)<br>hosoyak@pha | ・Blood-retinal barrier transport function analysis and drug delivery to the retina<br>・Blood-retinal barrier cell reconstruction and analysis of interaction between cells<br>・Elucidation of biological function and transport function in in vivo barrier tissue |
| Applied Pharmacology<br><br>Professor<br>KUME Toshiaki<br>tkume@pha | ・Elucidation of pathogenesis mechanisms of neurodegenerative diseases, pruritus, pain and dysesthesia and search and development of preventive and therapeutic drugs for these disorders<br>・Establishment of novel animal models that exhibit the brain diseases and the sensory symptoms, such as itch, pain and dysesthesia<br>・Search for cytoprotective substances derived from foods and plants |
| Biorecognition Chemistry<br><br>Professor<br>TOMOHIRO Takenori<br>(will be retired in March 2027)<br>ttomo@pha | ・Chemical biology for efficient drug discovery: target identification, visualization, utilization, and manipulation<br>・Drug activity-based functional proteomics<br>・Synthetic multicomponent integration strategy toward chemical biology and drug discovery |
| Cancer Cell Biology<br><br>Professor<br>SAKURAI Hiroaki<br>hsakurai@pha | ・Elucidation of the molecular mechanisms of tumor progression via inflammatory signaling pathways<br>・Study on the activation mechanisms of molecular targets in cancer therapy<br>・Study on the intracellular signals in malignant progression of melanoma |
| Chemical Biology<br><br>Professor<br>INOUYE Masahiko<br>(will be retired in March 2027)<br>inouye@pha<br><br>Associate Professor<br>CHIBA Junya<br>chiba@pha | ・Chemical biology based on synthetic chemistry, particularly three projects in artificial DNA, protein control, and saccharide recognition |
| Synthetic and Medicinal Chemistry<br><br>Professor<br>MATSUYA Yuji<br>matsuya@pha | ・Development of new organic reactions for drug discovery<br>・Search for novel seeds of new drugs and structure-activity relationship research<br>・Synthesis and structural optimization of bioactive compounds |
| Molecular Neurobiology<br><br>Associate Professor<br>TABUCHI Akiko<br>atabuchi@pha | ・Elucidation of the molecular mechanisms underlying regulation of neuronal function and plasticity by gene expression and cellular communication between synapses and a nucleus<br>・Studies on neurological disorders caused by dysfunction of transcription factors and synaptic molecules<br>・Basic studies on transcription factors and synaptic molecules toward drug development targeted for neurological disorders |

| Educational area<br>Responsible teacher<br>Contact address | Research contents |
|---|---|
| Gene Regulation<br><br>Associate Professor<br>HIROSE Yutaka<br>(will be retired in March 2027)<br>yh620@pha | ・Study on the molecular mechanism of transcription initiation by RNA polymerase II<br>・Study on the role of mammalian Mediator complex in controlling gene expression<br>・Study on the regulatory mechanism of pre-mRNA processing coordinated with transcription<br>・Study on the pathogenic mechanisms of human diseases caused by misregulation of gene expression program |
| Molecular Cell Biology<br><br>Professor<br>SO Takanori<br>tso@pha | ・Elucidation of the molecular mechanism of cytokine signaling regulated by TRAF5<br>・Development of immunotherapeutic recombinant TNF family proteins<br>・Elucidation of the molecular pathology of X-linked adrenoleukodystrophy |
| Synthetic and Biomolecular Organic Chemistry<br><br>Professor<br>YAKURA Takayuki<br>(will be retired in March 2027)<br>yakura@pha | ・Development of environmentally benign organic reactions<br>・Synthesis of biologically active natural products<br>・Pharmaceutical chemical research in bioactive substances |
| Biointerface Chemistry<br><br>Professor<br>NAKANO Minoru<br>mnakano@pha | ・Study of membrane lipid dynamics and elucidation of lipid transfer machinery<br>・Elucidation of lipid flip-flop mechanisms<br>・Biophysical research for interaction of amyloid beta with membranes<br>・Structural and functional investigation and pharmaceutical application of lipid nanoparticles |
| Structural Biology<br><br>Professor<br>MIZUGUCHI Mineyuki<br>mineyuki@pha | ・Studies on the conformations of disease related proteins<br>・Structural basis for intracellular membrane trafficking<br>・Protein structure-based drug discovery |
| Pharmaceutical Physiology<br><br>Associate Professor<br>SHIMIZU Takahiro<br>takshimi@pha | ・Physiological, biochemical and pharmacological studies of ion transport proteins (pumps, transporters, ion channels) in normal and cancer cells<br>・Elucidation of novel functional relation mechanisms of ion transport proteins<br>・Elucidation of novel pathophysiological functions of ion transport proteins |
| Medical Pharmaceutics<br><br>Professor<br>TO Hideto<br>hidetoto@pha | ・Translational research for clinical application of chronotherapy<br>・Development of new drugs targeting factors regulating the circadian rhythm of morbid states<br>・Application of chronotherapy for individualized medicine<br>・Nasal formulation development and therapeutic application for CNS diseases by nose-to-brain drug delivery system |
| Clinical Pharmacology<br><br>Professor<br>SASAOKA Toshiyasu<br>(will be retired in March 2026)<br>tsasaoka@pha | ・Development of new insulin sensitizers based on the mechanisms of type 2 diabetes and insulin resistance<br>・Elucidation of central mechanisms regulating energy and glucose homeostasis via inter-organ metabolic pathway<br>・Development of a novel treatment of diabetic complications based on the pathogenic mechanisms |

| Educational area<br>Responsible teacher<br>Contact address | Research contents |
|---|---|
| Pharmaceutical Therapy and Neuropharmacology<br><br>Professor<br>NITTA Atsumi<br>nitta@pha | ・Behavioral pharmacological, molecular biological and cell biological studies to clarify the function of the novel molecules for clarification of mechanism of psychiatric diseases onset<br>・Study for the clarification of the mechanisms of establishment of addiction of nicotine, THC and methamphetamine<br>・Production of novel mice models with neuronal and/or mental diseases |
| Pharmacy Practice and Sciences<br><br>Professor<br>TAGUCHI Masato<br>taguchi@pha | ・Development of minimal clinical trial design and data analysis for personalized medicine<br>・Optimization of dosing regimen based on the interindividual variability of physical development<br>・Problem formulation and scientific implementation in practice to address therapeutically relevant issues |
| Integrative Pharmacology<br><br>Professor<br>TSUNEKI Hiroshi<br>htsuneki@pha | ・Development of novel therapeutic strategy to treat type 2 diabetes and its complications based on the pathogenic mechanisms<br>・Investigation of the mechanisms underlying the maintenance of glucose and lipid homeostasis by brain and inter-organ network<br>・Investigation of the role of olfactory and other sensory systems in the regulation of glucose and lipid metabolism |
| Clinical Pharmaceutics<br><br>Professor<br>KATO Atsushi<br>kato@med | ・Drug design and validation of chaperone compounds for rare lysosomal diseases utilising Protein-Ligand Docking<br>・Research on the development of functional cosmetics based on scientific evidence<br>・Research on the isolation and purification of the iminosugars from plants and their application as pharmaceuticals.<br>・Reverse translational research on Japanese and Chinese, taking into account clinical experience. |
| Pharmaceutical Technology<br><br>Specially Appointed Associate Professor<br>OKADA Kotaro<br>kokada@pha | ・Development of methods for evaluating the physical properties of pharmaceutical products using nuclear magnetic resonance relaxation |
| Pharma-Medical Informatics and AI<br><br>Specially Appointed Professor<br>SUGANO Aki<br>sugano@pha | ・Prediction of drug efficacy of molecular target drugs or adverse drug reactions by molecular simulation or AI based analyses<br>・Binding affinity analysis of key molecules to human receptors by bioinformatics and molecular simulation<br>・Analysis of candidate compounds by *in silico* drug repurposing |
| Cell Biology<br><br>Professor<br>ITO Fmiko<br>fitoh@las | ・Analysis of the roles of TGF-$\beta$ family signaling in maintaining physiological homeostasis<br>・Investigation of vascular and lymphatic endothelial cell alterations during cancer metastasis<br>・Disease modeling using genetically modified mice targeting TGF-$\beta$ family-related molecules |
| Molecular Genetics<br><br>Professor<br>TABUCHI Yoshiaki<br>ytabu@cts | ・Mechanical control of cell differentiation<br>・Elucidation of molecular mechanism of cellular stress response<br>・Assessment of the toxic effects of environmental chemicals and elucidation of the mechanisms of toxicity |

| Educational area<br>Responsible teacher<br>Contact address | Research contents |
|---|---|
| Pharmacognosy<br><br>Professor<br>SHOJI Tsubasa<br>tsubasa@inm | 1. Molecular regulation of alkaloid and terpenoid pathways in medicinal plants of the Solanaceae family.<br>2. Novel regulatory mechanisms of alkaloid pathways in tobacco plants.<br>3. Biosynthesis and accumulation of natural sweeteners.<br>4. Collaborate with industry partners to apply our research to the stable supply and production of herbal medicines. |
| Natural Products<br>& Drug Discovery<br><br>Professor<br>MORITA Hiroyuki<br>hmorita@inm | ・Studies on biosynthesis of naturally occurring bioactive compounds<br>・Structural basis for secondary metabolite enzymes<br>・Enzyme engineering for novel drug development<br>・Isolation of bioactive compounds from plants, microorganisms, and marine organisms<br>・Investigation of Asia's natural resources not fully utilized<br>・Discovery of natural anticancer agents from medicinal plant resources by employing a novel antiausterity screening strategy<br>・Chemical investigation of medicinal plants and search for novel bioactive secondary metabolites<br>・Investigation of the structure-activity relationship of the active natural compounds and their mechanism of action against cancer cell survival pathways<br>・Discovery of metabolomics biomarkers associated with cancer cells by utilizing FT-NMR and MS strategy |
| Neuromedical<br>Science<br><br>Professor<br>TOHDA Chihiro<br>chihiro@inm | ・Elucidation of the molecular mechanism of restoring the neuronal network, and crosstalk between the central nervous system and peripheral organs to activate neural function.<br>・Traditional medicine research for developing fundamental therapeutic drugs for Alzheimer's disease, spinal cord injury, degenerative cervical myelopathy, glaucoma, and disuse syndrome.<br>・Clinical study aiming to develop new botanical drugs and new usage of Kampo formulas.<br>・Clinical study to analyze factors affecting physical and mental health and to identify biomarkers of wellbeing. |
| Host Defences<br><br>Professor<br>HAYAKAWA<br>Yoshihiro<br>haya@inm | ・Study of NK cell biology and its roles in immunity<br>・Role of innate immune responses in cancer progression<br>・Immunological study of inflammatory & allergic diseases<br>・Modulation of immune responses and immunological diseases by Kampo medicines<br>・Study to regulate cancer progression & metastasis |
| Complex Biosystem<br>Research<br><br>Professor<br>NAKAGAWA Yoshimi<br>ynaka@inm | ・Functional analysis of transcription factors that regulate glucose and lipid metabolism<br>・Study for nutrient metabolism regulation by cell-cell and tissue-tissue interaction<br>・Study for the molecular mechanism of improvement of lifestyle-related diseases by Wakan-yaku |
| Presymptomatic<br>Disease<br><br>Professor<br>KOIZUMI Keiichi<br>kkoizumi@inm | ・Understanding of the fluctuation of biometric information and its medical applications.<br>・Elucidation of the function of immunostimulatory nanoparticles and nucleotide degradant discovered by traditional Japanese medicine (Kampo formula) and their medical applications. |

| Educational area<br>Responsible teacher<br>Contact address | Research contents |
|---|---|
| Kampo Diagnostics<br><br>Professor<br>SHIBAHARA<br>Naotoshi<br>(will be retired in<br>March 2026)<br>shiba1@inm | ・Pharmacological effects of Kampo medicines and their herbal components, as well as their mechanisms of action<br>・Search for indicators of clinical pathology of Kampo medicine and “sho” |

※In addition to the above table, the following laboratories are also available.
Plant Functional Science,　Mathematical and Pharmaceutical Evaluation Science

・A portion of email address is listed in the contact address. Please use it for preliminary consultations with the relevant academic advisor in the field of your choice. Please add ".u-toyama.ac.jp" after the address.
Example) abc@def　→　abc@def.u-toyama.ac.jp