

2025年4月入学  
April Admission for 2025

大学院医理工レギュラトリーサイエンス学環  
重粒子線医理工学プログラム  
(修士課程)

Interfaculty Initiative in Regulatory Science of Biomedical Science and Engineering  
Heavy Ion Biomedical Science and Engineering Program,  
(Master's Program)

学生募集要項  
(社会人・留学生入試を含む)

Application Guidelines  
(including the guidelines on the entrance examination for  
adult students and international students)



群馬大学  
Gunma University

**【Exemption from the entrance examination fee】**

As special measures to secure their opportunities for higher education, applicants affected by the Great East Japan Earthquake or other natural disaster are fully exempted from examination fees. Please visit the University's website for details on the exemption scheme, including applicable disasters and disaster-hit areas.

## **Table of Contents**

◆	Gunma University Graduate School Admission Policy	1
◆	Interfaculty Initiative in Regulatory Science of Biomedical Science and Engineering Heavy Ion Biomedical Science and Engineering Program (Master's Program) Admission Policy	1
1	Number of Admissions	2
2	Application Eligibility	2
3	Assessment of Application Eligibility, etc. (where applicable)	3
4	Application Procedures	4
5	Prior Consultation for Applicants with Disabilities	8
6	Screening Process	9
7	Examination schedule and locations	11
8	Important Information Regarding Examinations	12
9	Announcement of Successful Applicants	12
10	Admission Procedures	12
11	Admission from the Waitlist	13
12	Admission Fee and Tuition Fee Exemption/Deferment	13
13	Scholarships	14
14	Disclosure of Entrance Examination Information	14
15	Special Provisions for Education Methods	15
16	Protection of applicants' personal information	15
◆	Access to Admission Section	16
◆	Overview of Gunma University Interfaculty Initiative in Regulatory Science of Biomedical Science and Engineering	19
◆	Faculty members in charge of research guidance and their main research topics	21
•	Gunma University Graduate School Guidance on How to Pay the Entrance Examination Fee	
•	Set of application forms	
※	All dates and times described in this application guidelines are based on Japan Standard Time.	

## ◆ Gunma University Graduate School Admission Policy

We accept students who have the academic ability and research skills required by each graduate school and by major, and who have research motivation to contribute to the development of human society through research and practical ability.

### ◆ **Interfaculty Initiative in Regulatory Science of Biomedical Science and Engineering Heavy Ion Biomedical Science and Engineering Program (Master's Program) Admission Policy**

#### <Human Resources Development Goals>

Based on its interdisciplinary collaboration in the field of heavy ion beam medical science and engineering, the University aims to foster educators and researchers with leadership skills who can independently conduct interdisciplinary research across the fields of biomedical science, medical science and treatment, and science and engineering, as well as highly skilled professionals who can respond to the needs of society, medical physicists who will play an active role in clinical fields, and researchers who will contribute to the development of radiation medical science and engineering.

#### <Abilities and Qualities Required for Prospective Students>

- 1 Those who are motivated to learn independently and acquire the ability to solve problems based on high ethical standards and a decent basic knowledge of specialty
- 2 Those who strive to improve their acquired knowledge and skills and who aspire to contribute to the development of society by taking on leadership roles in such fields as science and engineering, medical science and treatment, and welfare as a highly skilled professional
- 3 Those who have the courage and passion to take on challenges without fear of failure in order to pioneer new science and technology in accordance with high ethical standards and who intend to advance to a doctoral program
- 4 Those who have basic communication skills including English language proficiency

#### <Basic Policy on the Screening of Applicants>

An academic skills test will be administered to assess your “basic knowledge of specialty” and “basic communication skills including English language proficiency” (Abilities and Qualities Required for Prospective Students: 1 and 4). In addition, we will conduct an interview (oral examination) to assess your “motivation to learn independently and acquire the ability to solve problems,” “aspiration to contribute to the development of society by taking on leadership roles in such fields as science and engineering, medical science and treatment, and welfare as a highly skilled professional,” and “courage and passion to take on challenges without fear of failure in order to pioneer new science and technology in accordance with high ethical standards (Abilities and Qualities Required for Prospective Students: 1 through 4). We will make a screening decision by comprehensively considering your application documents as well as these assessment criteria.

## 1 Number of Admissions

Interfaculty initiative / program	Number of admissions
Interfaculty Initiative in Regulatory Science of Biomedical Science and Engineering Heavy Ion Biomedical Science and Engineering Program	3

Notes:

1. The number of admissions includes adult students and international students.
2. **Please make sure to consult with your prospective supervisor (see page 21-22) regarding the details of your research before advancing to the application procedures.**  
If you are unable to contact the supervisor, please contact the Admission Section (see page 4)

## 2 Application Eligibility

**To apply, you must meet any of the following criteria by March 31, 2025 at the latest.**

### <General Entrance Exam>

- (1) A person who has graduated from a university
- (2) A person who has been granted a bachelor's degree pursuant to the provisions of Article 104, Paragraph 7 of the School Education Act (Act No. 26, 1947)
- (3) A person who has completed a 16-year school education course in a foreign country
- (4) A person who has completed a 16-year education course of a foreign country by taking, in Japan, a correspondence course provided by a school of the foreign country
- (5) A person (limited to a person who has completed a 16-year school education course of a foreign country) who has completed a course of a foreign university in Japan, which has been separately designated by the Minister of Education, Culture, Sports, Science and Technology as an educational institution having a course of a foreign university under the school education system of the foreign country
- (6) A person who has been granted a degree equivalent to a bachelor's degree by completing a course of not less than three years at a foreign university or any other school in a foreign country (limited to an institution which, in regard to the overall performance of its education and research activities, has been approved by an authority who is certified by the government or a governmental organization of the foreign country, or an institution that has been separately designated by the Minister of Education, Culture, Sports, Science and Technology as being equivalent thereto) (including completing the course in Japan by taking a correspondence course provided by a school of the foreign country, and completing the course provided by an educational institution under the school education system of the foreign country as designated in the preceding item)
- (7) A person who completed a postsecondary course separately designated by the Minister of Education, Culture, Sports, Science and Technology at a specialized training college (limited to a course that satisfies the standards specified by the Minister of Education, Culture, Sports, Science and Technology, including the term of the course, which shall be no less than four years) on or after the date provided by the Minister of Education, Culture, Sports, Science and Technology
- (8) A person designated by the Minister of Education, Culture, Sports, Science and Technology (Public notice No. 5 of the Ministry of Education No. 5, 1953)
- (9) A person who, pursuant to the provisions of Article 102, Paragraph 2 of the School Education Act, was enrolled in a graduate school of another university and has been recognized by the Graduate School as having academic ability sufficient for receiving education at the Graduate School
- (10) A person aged 22 or over who has been admitted to the Graduate School through an independent entrance examination and recognized by the Graduate School as having academic ability equivalent to or higher than that of university graduates
- (11) A person who has been enrolled at a university for at least three years (including a person designated by the Minister of Education, Culture, Sports, Science and Technology as being equivalent thereto)

### <Entrance Examination for Adult Students>

To be eligible to take this exam, as of March 31, 2025, you must have work experience as a technician or researcher at the same research facility, educational institution, company, etc. for two years or more with an excellent work record and maintain the same status after admission. Furthermore, you must fall under any of the eligibility criteria (1) to (11) above.

### <Entrance Exam for International Students>

To be eligible to take this exam, you must have a nationality other than Japanese and possess (or will have to possess) a status of residence appropriate for university enrollment pursuant to the Japanese Immigration Control and Refugee Recognition Act. Furthermore, you are not a holder of a permanent residence permit in Japan and must fall under any one of the eligibility criteria (1) to (11) above.

## 3 Assessment of Application Eligibility, etc. (where applicable)

3-1 If you fall under either (9) or (10) of the eligibility criteria, you may apply only after undergoing an eligibility screening held by this interfaculty initiative and receiving certification that you are qualified to apply.

#### a. Application filing deadline

	Application filing deadline	screening result
If you wish to study under a supervisor from the Graduate School of Medicine;	Wednesday, July 3, 2024	Your screening result will be notified to you by Tuesday, July 30, 2024
If you wish to study under a supervisor from the Graduate School of Science and Technology	Wednesday, June 12, 2024	Your screening result will be notified to you by Friday, June 21, 2024

#### b. Documents to be submitted:

##### (1) For screening related to (9) of the eligibility criteria

- (a) Eligibility Check Form (Form 10) attached to the Application Guidelines
- (b) Academic Transcript (Submit your university/college [faculty] transcript and document providing details of the curriculum.)
- (c) Certificate of Enrollment (issued under the name of president/dean of the graduate school and bearing the date of issuance)  
If you have graduated or withdrawn from graduate school, submit a document evidencing the date of enrollment (academic transcript of the graduate school attended, etc.)
- (d) Research achievements or other remarkable accomplishments, such as academic papers

##### (2) For screening related to (10) of the eligibility criteria

- (a) Eligibility Check Form (Form 10) attached to the Application Guidelines
- (b) Certificate of Research Activities (Form 11) attached to the Application Guidelines
- (c) Research achievements or other remarkable accomplishments, such as academic papers
- (d) Graduation/completion certificate of final education (at junior college, specialized training college, miscellaneous school, etc.)
- (e) Academic transcript of final education (at junior college, specialized training college, miscellaneous school, etc.)

#### c. Submission address

- (1) If you wish to study under a supervisor from the Graduate School of Medicine;  
Admissions Section, Educational Affairs Office, Administration Division, Showa Campus of Gunma University,  
3-39-22 Showa-machi, Maebashi-shi, Gunma 371-8511, JAPAN  
Tel: 027-220-7797
- (2) If you wish to study under a supervisor from the Graduate School of Science and Technology;

Admissions and Graduate School Section, School of Science and Technology, Kiryu Campus of  
Gunma University  
1-5-1 Tenjin-cho, Kiryu-shi, Gunma 376-8515, JAPAN  
Tel: 0277-30-1039/1037

3-2 If you fall under (11) of the eligibility criteria, please contact above before applying.

## 4 Application Procedures

### 4-1 Application acceptance period

If you wish to study under a supervisor from the Graduate School of Medicine;	From Thursday, August 1, 2024 to no later than Wednesday, August 7, 2024
If you wish to study under a supervisor from the Graduate School of Science and Technology	From Monday, July 1, 2024 to no later than Thursday, July 11, 2024

### 4-2 Means of application submission

Submit your application documents by mail, ensuring that they arrive by the above deadline.

- (1) Do not submit the documents by hand; they will be rejected.
- (2) Send the documents by simple registered express mail. With a red pen, write on the envelop that the “application documents for April 2025 admission to Interfaculty Initiative in Regulatory Science of Biomedical Science and Engineering (master’s degree) are enclosed.”

Notes:

1. Overdue documents will be rejected. Send your documents early, by taking into full account the time and conditions of delivery. If you have any special reason for not being able to send in a timely manner, please contact the following by the first day of the application period.
2. The University will not take the responsibility for any accident as a result of sending application documents by regular mail.

### 4-3 Submission address

- (1) If you wish to study under a supervisor from the Graduate School of Medicine;  
Admissions Section, Educational Affairs Office, Administration Division, Showa Campus of Gunma University,  
3-39-22 Showa-machi, Maebashi-shi, Gunma 371-8511, JAPAN  
Tel: 027-220-7797
- (2) If you wish to study under a supervisor from the Graduate School of Science and Technology;  
Admissions and Graduate School Section, School of Science and Technology, Kiryu Campus of Gunma University  
1-5-1 Tenjin-cho, Kiryu-shi, Gunma 376-8515, JAPAN  
Tel: 0277-30-1039/1037

### 4-4 Documents to be submitted

Documents to be submitted		Remarks
1	Application for Admission/ Resume [Form 1]	Fill out the form attached to the Application Guidelines. If you have graduated (or are expected to graduate) from a foreign university, please specify it in your resume.
2	Statement of Purpose [Form 2] [Form 3]	The designated form must be filled out by the applicant. • General Entrance Exam and Entrance Exam for International Students [Form 2] (There is no limit on the number of words.) • Entrance Examination for Adult Students [Form 3] (maximum of 1,000 characters in Japanese or 250 words if written in English)
3	Examination fee	30,000 yen Please pay by one of the following methods. 【The payment period • Period for bank transfer】

<p><b>Note:</b> International students who are funded by the Japanese Government Scholarship at the time of application are exempted from examination fees. To verification, please submit relevant documents.</p>	<table border="1" data-bbox="478 219 1377 443"> <tr> <td data-bbox="478 219 853 331">If you wish to study under a supervisor from the Graduate School of Medicine;</td><td data-bbox="853 219 1377 331">The payment period is from Tuesday, July 23, 2024 until 3:00 p.m., Wednesday, August 7, 2024. Please note that, in case of payment via the website, the deadline ends 30 minutes earlier.</td></tr> <tr> <td data-bbox="478 331 853 443">If you wish to study under a supervisor from the Graduate School of Science and Technology</td><td data-bbox="853 331 1377 443">The payment period is from Monday, June 24, 2024 until 3:00 p.m., Thursday, July 11, 2024. Please note that, in case of payment via the website, the deadline ends 30 minutes earlier.</td></tr> </table> <p><b>1. Payment at a convenience store, using a computer or mobile phone.</b></p> <p>(1) Pay the examination fee according to the instructions of "Gunma University How to make Payment of Examination Fee at Convenience Store or by Credit Card." Please note that the transaction fee will be borne by the payer.</p> <p>(2) Upon payment, you will receive the "Statement of Payment of Entrance Examination Fee/Screening Fee (入学検定料・選考料 取扱明細書)" at the checkout counter. Cut off the "Certificate of Payment (収納証明書)" from the statement and affix it to the designated space on the Form for Affixing the Certificate of Payment of Examination Fee [Form 4].</p> <p><b>2. Payment by credit card, using a computer/mobile phone and printer</b></p> <p>(1) Pay the examination fee according to the instructions of "Gunma University How to make Payment of Examination Fee at Convenience Store or by Credit Card." Please note that the transaction fee will be borne by the payer.</p> <p>(2) Upon payment, print out the "Statement of Payment of Entrance Examination Fee/ Screening Fee (入学検定料・選考料 取扱明細書)." Then, cut off the "Certification of Payment" from the statement and affix it to the designated space on the Form for Affixing the Certificate of Payment of Examination Fee [Form 4].</p> <p><b>3. Payment by bank transfer from abroad</b></p> <p>(1) Pay to the following account by bank transfer (in Japanese Yen) at the bank counter. Please note that the bank transfer fee and international remittance fee will be borne by the payer.</p> <p>(2) Receive from the bank a statement evidencing the payment of the examination fee and attach the statement or its copy to the designated area on the Form for Affixing the Certificate of Payment of Examination Fee [Form 4]. Please note that, if there is any surplus or deficit in the amount remitted, the statement will be rejected.</p> <p>(3) In case of payment by bank transfer from abroad, please notify the following section in advance by email. Admissions Section, Educational Affairs Office, Administration Division, Showa Campus of Gunma University Email: <a href="mailto:kk-mgakumu5@ml.gunma-u.ac.jp">kk-mgakumu5@ml.gunma-u.ac.jp</a> or Admissions and Graduate School Section, School of Science and Technology, Kiryu Campus of Gunma University Email: <a href="mailto:kk-kogaku6@ml.gunma-u.ac.jp">kk-kogaku6@ml.gunma-u.ac.jp</a> Please make sure to specify your name, the country of remittance, and the statement that the remittance is for the purpose of application to a master's program.</p> <p>○Bank account: Bank : The Towa Bank, LTD (Bank Code: 0516) Branch : Maebashi Kita Branch (Branch Code: 012) Address : 1-5-2 Kokuryo-cho, Maebashi City, Gunma, 371-0033, JAPAN Tel : I: +81-27-231-6789 SWIFT code : TOWAJPJT Account number : 3169574 (Savings Account) Name of account : GUNMA DAIGAKU Address of account holder : 4-2 Aramaki-machi, Maebashi City, Gunma, 371-8510, JAPAN Tel: +81-27-220-7062</p> <p>(4) Do not pay at an ATM or using a computer, smartphone, etc.</p> <p><b>[Refund of examination fees (applicable to all applicants)]</b> As a general rule, examination fees will not be refunded except for the following cases, in which they will be refunded according to the prescribed procedures.</p> <p>(1) You paid the examination fee but did not apply. (2) You paid the examination fee more than once or paid more than the specified amount by mistake. (3) You submitted your application, which was subsequently rejected.</p>	If you wish to study under a supervisor from the Graduate School of Medicine;	The payment period is from Tuesday, July 23, 2024 until 3:00 p.m., Wednesday, August 7, 2024. Please note that, in case of payment via the website, the deadline ends 30 minutes earlier.	If you wish to study under a supervisor from the Graduate School of Science and Technology	The payment period is from Monday, June 24, 2024 until 3:00 p.m., Thursday, July 11, 2024. Please note that, in case of payment via the website, the deadline ends 30 minutes earlier.
If you wish to study under a supervisor from the Graduate School of Medicine;	The payment period is from Tuesday, July 23, 2024 until 3:00 p.m., Wednesday, August 7, 2024. Please note that, in case of payment via the website, the deadline ends 30 minutes earlier.				
If you wish to study under a supervisor from the Graduate School of Science and Technology	The payment period is from Monday, June 24, 2024 until 3:00 p.m., Thursday, July 11, 2024. Please note that, in case of payment via the website, the deadline ends 30 minutes earlier.				

3	Examination fee	<p>To apply, please provide the following information 1-4 in the Examination Fee Refund Application (using letter paper, etc.) and send it immediately to the following address. A copy of the Examination Fee Refund Request Form will be sent upon receipt.</p> <p>Admissions Section, Educational Affairs Office, Administration Division, Showa Campus of Gunma University</p> <p>or</p> <p>Admissions and Graduate School Section, School of Science and Technology, Kiryu Campus of Gunma University</p> <div style="border: 1px solid black; padding: 5px; margin: 10px 0;"> <p>Examination Fee Refund Application for Entrance Examination for Gunma University Interfaculty Initiative in Regulatory Science of Biomedical Science and Engineering</p> <p>1. Reason for refunding: 2. Full name: 3. Address and postal code: 4. Telephone number:</p> </div> <p>Mailing address and contact information:</p> <p>(1) If you wish to study under a supervisor from the Graduate School of Medicine; Admissions Section, Educational Affairs Office, Administration Division, Showa Campus of Gunma University 3-39-22 Showa-machi, Maebashi-shi, Gunma 371-8511, JAPAN Tel: 027-220-7797</p> <p>(2) If you wish to study under a supervisor from the Graduate School of Science and Technology; Admissions and Graduate School Section, School of Science and Technology, Kiryu Campus of Gunma University 1-5-1 Tenjin-cho, Kiryu-shi, Gunma 376-8515, JAPAN Tel: 0277-30-1039/ 1037</p> <p>Notes: The examination fee will be refunded minus the bank transfer fee.</p> <p><b>[Exemption from examination fees]</b> The following special measures are available to applicants affected by the Great East Japan Earthquake or other natural disaster. The applicants will be fully exempted from examination fees.</p> <p>&lt;Eligible applicants&gt;</p> <p>1. Special measures for applicants affected by the Great East Japan Earthquake</p> <p>(1) Those who were affected by the Great East Japan Earthquake in the areas where the Disaster Relief Act applies and who fall under any of the following.</p> <p>a. The home owned by their primary financial supporter was destroyed, substantially damaged, moderately damaged, or washed away</p> <p>b. Their primary financial supporter is deceased or missing</p> <p>(2) The home residence of their primary financial supporter is designated as the “restricted area,” “planned evacuation zone,” “difficult-to-return zone,” restricted residence area, or “zone in preparation for the lifting of the evacuation order” due to the accident at the Fukushima No.1 nuclear power plant</p> <p>2. Special measures for applicants affected by other natural disaster</p> <p>(1) Those who were affected by a natural disaster, such as storm or flood, in the areas where the Disaster Relief Act applies, that occurred within one year prior to the application deadline and who fall under any of the following.</p> <p>a. The home owned by their primary financial supporter was destroyed, severely damaged, moderately damaged, or washed away</p> <p>b. Their primary financial supporter is deceased or missing</p> <p>(2) Regarding the natural disaster-hit areas designated by the University pursuant to the “Areas Designated under the Disaster Relief Act,” please refer to the University’s website (Admission information &gt; Tuition and scholarships (入試情報&gt;学費・奨学金)).</p> <p>If you are eligible, download the “Application for Examination Fee Exemption” from the University’s website (Admission information &gt; Tuition and scholarships (入試情報&gt;学費・奨学金)) and submit relevant documents together with your application forms. For inquiries regarding this matter, please contact the Admission Section, Gunma University at 0277-220-7149 between 8:30 a.m. and 5:15 p.m. on weekdays.</p> <p>Gunma University’s website (Admission information &gt; Tuition and scholarships (入試情報&gt;学費・奨学金)) <a href="https://www.gunma-u.ac.jp/admission/adm004/g2167">https://www.gunma-u.ac.jp/admission/adm004/g2167</a></p>
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4	Form for Affixing the Certificate of Payment of Examination Fee [Form 4]	Affix the “Certificate of Payment (収納証明書)” to the designated area on the form attached to the Application Guidelines.	
5	Photo Slip [Form 5] Exam Voucher [Form 6]	Fill out the form attached to the Application Guidelines. Affix your photo (3 cm x 4 cm; face-on, upper body only; bareheaded; taken within three months of application) to the designated space on the Photo Slip after printing your full name on the back of the photo. Do not detach the Photo Slip from the Exam Voucher.	
6	Certificate of (Expected) Graduation	The certificate must be issued under the name of the president or dean of the certifying institution. The certificate is not required if you are qualified as per Application Eligibility (10) or if you have graduated from Gunma University.	
7	Certificate of Bachelor's Degree	The certificate must be issued by the institution that conferred your bachelor's degree. Submit a copy of the certificate together with a copy of academic transcript for your bachelor's degree. Applicants who are expecting degree conferral should submit a Certificate of expected degree conferral officially issued by his or her currently enrolled school. Note: This certificate is required only for those applying as per Application Eligibility (2).	
8	Document evidencing the acquisition of a degree equivalent to a bachelor's degree	If you apply as per Application Eligibility (6), attach a copy of your diploma conferred by the overseas institute attended or other relevant document.	
9	Academic Transcript	The transcript must be issued and sealed by the president or dean of the institution attended. The certificate is not required if you are qualified as per Application Eligibility (9) or (10) or if you have graduated from Gunma University.	
10	Acceptance for entrance exam [Form 7]	Only Entrance Examination for Adult Students	
11	Research results list [Form 8]	Only Entrance Examination for Adult Students	
12	Address Slip [Form 9]	Fill out the form attached to the Application Guidelines.	
13	Self-addressed stamped envelope (chokei 3 [120 mm x 235 mm])	Put your full name, address, and postal code as the addressee and affix a 344-yen stamp. This envelope is not required for international applicants.	
14	Certificate of Application Eligibility (or its copy)	If you have passed the admission qualification screening as per Application Eligibility (9) or (10), submit a document evidencing that you are qualified to apply.	
15	TOEFL, TOEIC, or IELTS score	Submit a your English language proficiency score to be exempted from taking the English language proficiency test required as per 6 Screening Process.	
		If you wish to study under a supervisor from the Graduate School of Medicine;	Applicants who wish to be exempted from taking the English language proficiency test.
		If you wish to study under a supervisor from the Graduate School of Science and Technology	all

Notes:

1. No changes are allowed after the University has received your application.
2. Your application documents, once submitted, will not be returned under any circumstances.
3. If your application documents contain false information, your admission or enrollment may be revoked.
4. You may be asked to submit additional documents other than the ones above, if deemed necessary by the University.
5. If your former family name is printed on your certificates, submit an extract of your family register or other legislative record evidencing the relationship with your current family name.

#### 4-5 Mailing of your exam voucher, etc.

Your exam voucher and other relevant documents will be sent to you upon receipt and processing of your

application documents. Please contact the following if they do not reach you

- a. If you wish to study under a supervisor from the Graduate School of Medicine; by Wednesday, August 21, 2024.

Admissions Section, Educational Affairs Office, Administration Division, Showa Campus of Gunma University,

Tel: 027-220-7797

E-mail: kk-mgakumu5@ml.gunma-u.ac.jp

- b. If you wish to study under a supervisor from the Graduate School of Science and Technology; by , Friday July 26, 2024.

Admissions and Graduate School Section, School of Science and Technology, Kiryu Campus of Gunma University

Tel: 0277-30-1039/1037

E-mail: kk-kogaku6@ml.gunma-u.ac.jp

## 5 Prior Consultation for Applicants with Disabilities

Please consult with the University before applying if you have a disability and need assistance in taking the examination or continuing study.

### 5-1 Consultation period

If you wish to study under a supervisor from the Graduate School of Medicine;	Until Wednesday, July 3, 2024
If you wish to study under a supervisor from the Graduate School of Science and Technology	Until Friday, June 21, 2024

You are encouraged to consult as early as possible.

Please note that consultation may not be available after the above date.

### 5-2 Consultation procedures

Submit a doctor's medical certificate and other necessary documents together with the consultation form.

An interview with you, your family member(s), or an authorized representative from the university you attended may be held at the University when deemed necessary by the University.

### 5-3 Submission address

- (1) If you wish to study under a supervisor from the Graduate School of Medicine;

Note: The consultation form is arbitrary.

Admissions Section, Educational Affairs Office, Administration Division, Showa Campus of Gunma University

3-39-22 Showa-machi, Maebashi-shi, Gunma 371-8511, JAPAN

Tel: 027-220-7797

- (2) If you wish to study under a supervisor from the Graduate School of Science and Technology;

Note: Download the consultation form from the website of Gunma University Graduate School of Science and Technology ([https://www.st.gunma-u.ac.jp/graduate\\_exam\\_master](https://www.st.gunma-u.ac.jp/graduate_exam_master)).

Admissions and Graduate School Section, School of Science and Technology, Kiryu Campus of Gunma University

1-5-1 Tenjin-cho, Kiryu-shi, Gunma 376-8515, JAPAN

Tel: 0277-30-1039/1037

## 6 Screening Process

Applicants to the interfaculty initiative select one supervisor of their choice from the special research supervisors of the Graduate School of Medicine or the Graduate School of Science and Technology listed on the application form at the time of application, and take the same examination subjects as the entrance examination for the graduate school to which the supervisor belongs. An interview is then conducted by an interviewer consisting of faculty members from the interfaculty initiative. The interview is designed to evaluate the applicant's basic academic skills in the field of his or her major and aptitude and motivation for research or as a professional with a high degree of specialisation. Selection is based on the results of the examination conducted by the Graduate School of Medicine or the Graduate School of Science and Technology and the results of the interview conducted by the interfaculty initiative.

The method of conducting the academic and oral examinations differ depending on the graduate school. The selection procedure in each graduate school is as follows.

If you do not pass the entrance examination at interfaculty initiative, you may be accepted to the Graduate School of Medicine or the Graduate School of Science and Technology where your academic advisor is affiliated.

### 6-1 If you wish to study under a supervisor from the Graduate School of Medicine;

Applicants will be screened comprehensively based on your foreign language (English) proficiency test scores, oral interview results, and application documents.

On the day of examination, you will take the TOEIC Listening & Reading IP (Institutional Program) Test, which is a computer-based, multiple-choice test to assess the proficiency of English language.

#### (1) Alternative options for English language proficiency

If you have submitted an official score of the TOEFL-ITP (TOEFL Institutional Testing Program), TOEFL-iBT (internet Based Test including Home Edition), TOEIC Listening & Reading Test, (including TOEIC IP Test (except for TOEIC IP Online)), and IELTS (Academic Module (including Computer-delivered IELTS Academic)) together with other application documents, you may be exempted from taking the TOEIC test to be held on the day of examination. The score will be converted to the score scale of the University's English language proficiency test.

Furthermore, the applicant who submits those score reports can also take English examination in conjunction with the conversion scores. In that case, the better result is adopted as one of the judgment of acceptance.

#### (2) Oral interview

If you have difficulties coming to the University to undertake the oral interview, you may attend an online interview instead. The date of online interview will be determined individually.

In principle, international applicants will be interviewed in English, after which they may be asked to answer some questions to assess their Japanese language proficiency levels.

### 6-2 If you wish to study under a supervisor from the Graduate School of Science and Technology;

#### (1) General Entrance Exam and Entrance Exam for International Students

Applicants will be screened comprehensively based on your foreign language (English) proficiency test scores, academic achievement test (specialized subjects), oral interview results, and application documents.

#### (2) Entrance Examination for Adult Students

Applicants will be screened comprehensively based on your foreign language (English) proficiency test scores, oral interview results, and application documents.

#### (3) Online interview for the applicant from overseas for International Student Exam

For the applicant from overseas, screening for admission may be determined through review of submitted documents such as an academic transcript and a letter of recommendation, and an online

interview including an oral exam to assess the knowledge in the specialized subjects of the program. The applicants will be notified by a few days before the exam date if the interview is conducted online.

(4) Foreign language (English)

Foreign language (English) tests are assessed by the submission of score from one of the following: TOEFL-ITP, TOEFL-iBT, TOEFL-ITP (conducted by Gunma University), TOEIC Listening & Reading Test (public test), TOEIC Listening & Reading IP Test (conducted by Gunma University), or IELTS. A foreign language (English) test shall not be administered on the same day as the Entrance Exam.

(5) Academic achievement test (specialized subjects)

Program	Written Examination (specialized subjects)
Applied Chemistry	Select 3 subjects from the list below: 1. Organic Chemistry 2. Inorganic and Analytical Chemistry 3. Physical Chemistry 4. Biochemistry
Food Science and Engineering	Take all the 3 subjects below: 1. Biochemistry (Biochemistry I, Biochemistry II) 2. Analytical Chemistry (Analytical Chemistry) 3. Food Science (Exercises in Food EngineeringI)
Materials Science	Take all the 3 subjects below: 1. Materials Science I (Organic Chemistry, Physical Chemistry, Inorganic Chemistry) 2. Materials Science II (Mechanics of Materials, Metallic Materials) 3. Materials Science III (Polymer Chemistry, Solid State Chemistry, Inorganic Materials Science)
Chemical Engineering	Select 3 subjects from the list below: 1. Fundamentals of Chemical Engineering 2. Chemical Reaction Engineering 3. Process System Engineering 4. Inorganic Materials Science 5. Chemical Thermodynamics
Civil and Environmental Engineering	Select 3 subjects from the list below: 1. Structural Mechanics 2. Geotechnical Engineering 3. Hydraulic Engineering 4. Environmental Engineering 5. Urban Engineering
Mechanical Engineering	Select 2 subjects from the list below: 1. Electric and Electronic Circuits 2. Electromagnetism 3. Dynamics of Machinery and Control Engineering 4. Mathematics for Electric and Mechanics 5. Strength of Materials 6. Fluid Dynamics and Thermodynamics
Intelligence and Control	
Electronics, Information and Communication Engineering	

6-3 Conversion of English language proficiency

All scores will be converted to out of 100 using the conversion formulas given below. If the value obtained is less than zero, it will be treated as 0. If the value obtained is more than 100, it will be treated as 100. Decimal values will be rounded to the nearest whole number (Note: 0.5 will be rounded up to 1.).

Conversion formulas:

TOEFL-ITP : Score after conversion =  $0.398 \times (\text{TOEFL-ITP score}) - 123.6$

TOEFL-iBT : Score after conversion =  $1.2 \times (\text{TOEFL-iBT score}) + 1.0$

TOEIC : Score after conversion =  $0.139 \times (\text{TOEIC score}) - 6.3$

#### Examples of core conversion

Score after conversion	40	50	60	70	80	90	100
TOEFL-ITP	411	437	461	487	512	537	562 or higher
TOEIC	333	405	477	549	621	693	765 or higher

Score after conversion	41	50	60	71	80	90	100
TOEFL-iBT	33	41	49	58	66	74	83 or higher

Score after conversion	22	31	40	50	59	68	77	87	96	100
IELTS (Academic module)	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5 or higher

Note:

#### Period of validity of the score concerned

If you wish to study under a supervisor from the Graduate School of Medicine;	Test scores are valid for five years of the date of the test.
If you wish to study under a supervisor from the Graduate School of Science and Technology	Test scores are valid for taken on or after October 2021

Please submit an original of the score report. Copies will not be accepted. The original copy will be returned to you together with your exam voucher.

#### 6-4 Reminder to applicants

Please make sure to consult with your prospective supervisor regarding the details of your research before advancing to the application procedures.

## 7 Examination schedule and locations

Graduate school of your prospective supervisor	Date of examination	Subject of examination	Location of examination	Duration of examination
Graduate School of Medicine	Sunday, September 8, 2024	Foreign language (English)	Gunma University Graduate School of Medicine	10:00 a.m. - 0:30 p.m.
		Oral interview		1:30 p.m. - 3:00 p.m.
Graduate School of Science and Technology	Friday, August 23, 2024	Specialized Subjects	Gunma University Graduate School of Science and Technology	As shown in the following table
		Oral interview		

Program	Timetable				
<ul style="list-style-type: none"> <li>• Applied Chemistry</li> <li>• Food Science and Engineering</li> <li>• Materials Science</li> <li>• Chemical Engineering</li> <li>• Civil and Environmental Engineering</li> </ul>	9:45	10:00	12:30	14:00	16:00
	Explanations	Written Exam (Specialized Subjects)		Oral interview	
<ul style="list-style-type: none"> <li>• Mechanical Engineering</li> <li>• Intelligence and Control</li> <li>• Electronics, Information and Communication Engineering</li> </ul>	9:45	10:00	12:00	13:30	16:00
	Explanations	Written Exam (Specialized Subjects)		Oral interview	

## 8 Important Information Regarding Examinations

- 8-1 Make sure to bring your exam voucher with you.
- 8-2 You must be in the examination room at least 10 minutes before the start of the exam. If you are late, you may not take the TOEIC IP Test.
- 8-3 You must take all required examinations to be eligible for consideration.
- 8-4 If you think you will be late for your exam due to delays in public transportation, etc., contact the Admissions Section, Educational Affairs Office, Administration Division, Showa Campus of Gunma University at 027-220-7797 or Admissions and Graduate School Section, School of Science and Technology, Kiryu Campus of Gunma University at 0277-30-1039・1037.
- 8-5 If an unexpected event, such as a disaster or accident, has occurred that might affect the execution of an examination, it will be posted on the website of Gunma University Graduate School of Medicine / School of Medicine, Faculty of Medicine (<https://www.med.gunma-u.ac.jp>) and website of Gunma University Graduate School of Science and Technology (<https://www.st.gunma-u.ac.jp>).  
In principle, supplementary exams will not be provided.

## 9 Announcement of Successful Applicants

The announcement of successful applicants will be made on Friday, September 27, 2024.  
The acceptance letter will be mailed to successful applicants on the day of the announcement. At the same time, the list of successful applicants (examinee numbers only) will be posted on the website of Gunma University Interfaculty Initiative in Regulatory Science of Biomedical Science and Engineering (<https://www.rs.gunma-u.ac.jp>). The list will be accessible only on the website from 10 a.m. on the day of the announcement until the day of admission procedure. It will not be posted on bulletin boards or other public spaces on campus.  
Inquiries about the pass/fail results will not be answered by telephone.

## 10 Admission Procedures

Read through the Admission Procedures Guide enclosed with the acceptance letter and submit the documents specified in “10-1 Documents required for the admission procedure” during the admission procedure period.  
If you are an international applicant and has not acquired a status of residence in Japan yet, you must obtain a “Certificate of Eligibility (COE).” For details on the certificate, please refer to 10-4 Regarding the obtaining of “Certificate of Eligibility (COE).”

### 10-1 Documents required for the admission procedures

- (1) Admission fee: 282,000 yen

Notes:

- If the admission fee has been revised at the time of admission, the revised admission fee amount will apply.
- Information on how to pay the admission fee will be provided separately.
- The paid admission fee will not be refunded for any reason.

- (2) The University’s exam voucher

- (3) Documents specified in the Admission Procedure Guide

### 10-2 Payments required after admission

Tuition fee: [First semester] 267,900 yen, [Annual] 535,800 yen

Notes:

- If the tuition fee has been revised at the time of your admission or during your time of study, the revised tuition fee amount will apply.
- Information on how to pay the admission fee will be provided separately.

- c. If desired, the tuition fee (either the first semester's or the full year's fee) can be paid at the same time as paying your admission fee.
- d. If you have completed the admission procedures and have paid the tuition fee, then decline the offer of admission by Monday, March 31, 2025, you can request to have the paid tuition fee refunded, following specified procedures.

#### 10-3 Admission procedure period

If you have failed to complete the admission procedure within the admission procedure period, your admission will be revoked.

- (1) If you wish to study under a supervisor from the Graduate School of Medicine, the required documents must arrive at the University by Tuesday, October 15, 2024 (by mail only)

Mailing address:

Admissions Section, Educational Affairs Office, Administration Division, Showa Campus of Gunma University

3-39-22 Showa-machi, Maebashi-shi, Gunma 371-8511, JAPAN

Tel: 027-220-7797

- (2) If you wish to study under a supervisor from the Graduate School of Science and Technology, the required documents must arrive at the University by the date determined later (by the end of March 2025) by hand or mail.

Venue for admission procedure, mailing address:

Admissions and Graduate School Section, School of Science and Technology, Kiryu Campus of Gunma University

1-5-1 Tenjin-cho, Kiryu-shi, Gunma 376-8515, JAPAN

Tel: 0277-30-1039/1037

#### 10-4 Regarding the obtaining of "Certificate of Eligibility (COE)"

Those who do not have a Status of Residence are required to obtain a Certificate of Eligibility (COE). It may take 1-2 months to issue the certificate after application. Please check "About obtaining a Status of Residence (在留資格の取得について)" on the university website (URL/QR code below) in advance, prepare the necessary documents and submit them along with your enrollment procedures. If you are unable to obtain the documents required for a Status of Residence in time, please be sure to complete other enrollment procedures during the period of the enrollment procedure and notify us of the progress of your COE at that time.

URL: <https://www.gunma-u.ac.jp/international>

The password: gunma8510



## 11 Admission from the Waitlist

Applicants may be offered admission from the waitlist. Eligible applicants will be contacted at the telephone number provided in their application form after around 5:00 p.m. on the last day of the admission procedure period.

## 12 Admission Fee and Tuition Fee Exemption/Deferment

- 12-1 Certain students for whom the payment of school expenses is considered to be exceptionally difficult due to special circumstances may be exempted from paying the admission fee or tuition fee.

A temporary payment deferment may also be obtained by students for whom paying the admission fee or tuition fee by the fixed deadline is considered to be difficult.

If you wish to apply for exemption or deferment, please refer to the “Admission information > Tuition and scholarships (入試情報>学費・奨学金)” section of the Gunma University website (<https://www.gunma-u.ac.jp/>).

Inquiries:

Education and Student Support Section, Educational Affairs Office, Administration Division,  
Showa Campus of Gunma University

Tel: 027-220-7792

Student Support Section, School of Science and Technology, Kiryu Campus of Gunma University

Tel: 0277-30-1042/1047

- 12-2 Those who have extreme difficulties in paying admission fees and tuition fees due to the Great East Japan Earthquake will be exempted from those fees under the University’s admission/tuition fee exemption system.

If you wish to apply, refer to the “Admission information > Tuition and scholarships (入試情報>学費・奨学金)” section of the Gunma University website (<https://www.gunma-u.ac.jp/>).

Inquiries:

Student Life Section, Student Support Division, Student Affairs Division, Gunma University

Tel: 027-220-7136

- 12-3 Those who have achieved outstanding results in the entrance examination, academic performance, etc. (excellent students) will be exempted from tuition fees based on a recommendation from their graduate school, faculty, etc.

Inquiries:

Student Life Section, Student Support Division, Student Affairs Division, Gunma University)

Tel: 027-220-7136

## 13 Scholarships

To assist students with excellent character and academic results for whom study is difficult due to economic reasons, the Japan Student Services Organization and others offer scholarships and loans for academic support. If you wish to apply, refer to the “Admission information > Tuition and scholarships (入試情報>学費・奨学金)” section of the Gunma University website (<https://www.gunma-u.ac.jp/>).

The Japan Student Services Organization offers two kinds of scholarship for qualified graduate students: Post-enrollment Scholarship (scholarship application during enrollment in graduate school) and Pos-enrollment Scholarship (scholarship application before enrollment in graduate school). If you wish to apply, contact the following for details by September 30 (during the application period). You could apply before the announcement of successful applicants as well.

Inquiries:

Education and Student Support Section, Educational Affairs Office, Administration Division, Showa Campus of Gunma University

Tel: 027-220-7792

Student Support Section, School of Science and Technology, Kiryu Campus of Gunma University

Tel: 0277-30-1042/1047

## 14 Disclosure of Entrance Examination Information

The following information will be disclosed regarding the entrance examination.

- 14-1 Information to be disclosed on the University’s website

- Number of applicants, number of examinees, number of successful applicants, number of students enrolled, and male/female ratio of students enrolled



- The information will be available until Wednesday, May 7, 2025
- 14-2 Information to be disclosed upon written request by the applicant
- The applicant's total score of the entrance examination scores
  - Upon request, information will be provided from Wednesday, May 7, 2025 until Friday, May 30, 2025.

14-3 Inquiries

Education and Student Support Section, Educational Affairs Office, Administration Division, Showa Campus of Gunma University

Tel: 027-220-7797

Admissions and Graduate School Section, School of Science and Technology, Kiryu Campus of Gunma University

Tel: 0277-30-1039/1037

## 15 Special Provisions for Education Methods

This interfaculty initiative provides education in accordance with the Special Provisions for Education Methods as follows.

15-1 Special Provisions for Education Methods pursuant to Article 14 of the Standards for Establishment of Graduate Schools

In some academic fields, classes will be conducted under the day/evening course system pursuant to Article 14 of the Standards for Establishment of Graduate Schools. The classes will be held in the evenings, and on Saturdays, Sundays, and holidays, as well as during the University's summer holidays and other vacation periods.

15-2 System for Extending the Period of Registration

This is a system to aid students who cannot afford enough time to study and receive research guidance due to employment responsibilities or domestic duties, such as household chores, raising children, and nursing care, and consequently have difficulty completing their degree within the standard program length of two years.

The system enables such students to complete their program and earn a degree after taking academic programs in an organized way over a maximum of four years. To be eligible for this extension, applicants must obtain approval from the University's review board.

## 16 Protection of applicants' personal information

Gunma University utilizes the personal information of applicants collected from submitted application documents, entrance examination screening processes, and admission procedures. This personal information will be handled in accordance with the Regulations on the Protection of Personal Information Held by National University Corporation Gunma University and used only for the following purposes:

- (1) To screen applicants for admission (including related operations, such as statistical processing)
- (2) As enrolled student data, in the case of applicants who have completed admission procedures: provision of course guidance and student support services, and to collect tuition fees
- (3) To conduct surveys and research for the purpose of university management (including research to improve entrance examinations, survey and analysis of applicant trends, or preparation of statistical data.)

Personal information used when publishing statistical surveys or research results will be processed to ensure that individual identities cannot be ascertained.

In performing the above operations, the University may outsource some tasks to external providers, subject to an agreement concerning the appropriate handling of personal information.

## ◆ Access to Admission Section

### ■ Gunma University Course of Medical Sciences in Graduate School of Medicine

#### ○Address

3-39-22 Showa-machi, Maebashi-shi, Gunma 371-8511, Japan

TEL. 027-220-7797 (Education and Student Support Section, Educational Affairs Office, Administration Division, Showa Campus of Gunma University)

#### ○Public transport

Bus Stop (boarding)		Distinations	Bus Stop (getting off)	Expected time required	Notes
JR Ryomo Line Maebashi station, North Exit	Bus Stop 2	<ul style="list-style-type: none"><li>• Bound for Gunma University Hospital</li><li>• Bound for Aramaki Campus via Gunma University Hospital (including via Nankitsudanchi)</li></ul>	Gundai Byouin	approximately 15 min	Kan-etsu Transportation
		<ul style="list-style-type: none"><li>• Bound for Shibukawa station (including via Gunma University Aramaki Campus)</li><li>• Shibukawa City Circular Bus Bound for Shibukawa station (via Gunma University Aramaki Campus)</li><li>• Bound for Gunma Children's Medical Center (including via Gunma University Aramaki Campus)</li></ul>	Gundai Byouin Iriguchi	approximately 13 min by bus and 6 min walking	Kan-etsu Transportation
JR Jouetsu Line, Front of Shibukawa Station		<ul style="list-style-type: none"><li>• Bound for Maebashi station (including Shibukawa City Circular Bus, via Gunma University Aramaki Campus)</li></ul>	Gundai Byouin Iriguchi	approximately 30 min by bus and 6 min walking	Kan-etsu Transportation

- ※ There is no public transportation from JR Gunmasouja Station and JR Shinmaebashi Station.
- ※ Please plan to arrive at your examination place with time to spare, having checked the latest information.

### ■ Gunma University Graduate School of Science and Technology

#### ○Address

1-5-1 Tenjin-cho, Kiryu-shi, Gunma 376-8515, Japan

TEL. +81-277-30-1039/1037 (Admissions and Graduate School Section, School of Science and Technology, Kiryu Campus of Gunma University)

#### ○Public transport

25-minute walk from the JR Ryomo Line Kiryu Station, North Exit

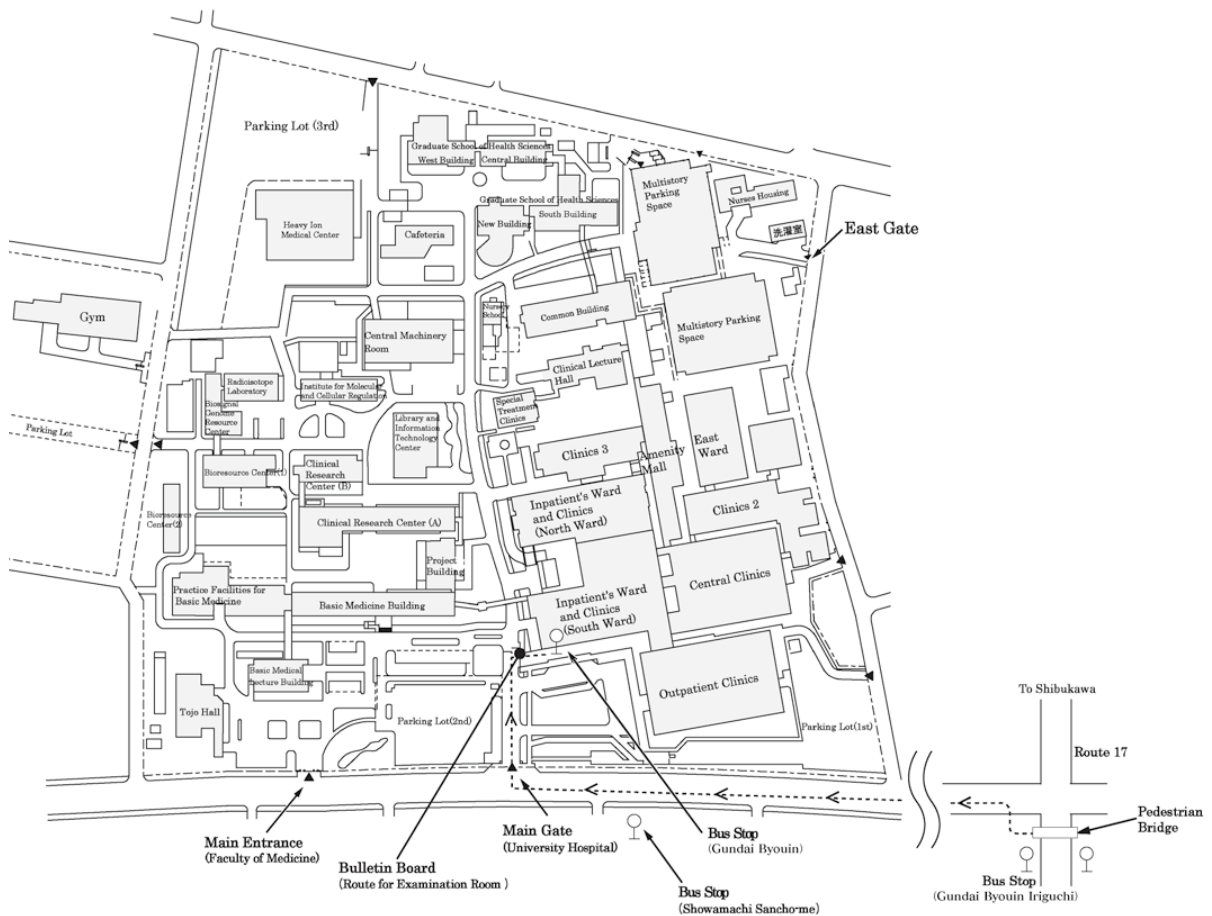
Bus Stop (boarding)	Destinations	Bus Stop (getting off)	Expected time required	Notes
JR Ryomo Line Kiryu station, North Exit	<ul style="list-style-type: none"> <li>Bound for Kyu Joshikou-mae</li> <li>Bound for Futawatari jinja-mae</li> <li>Bound for Umeda Furusato Center-mae</li> </ul>	Gunma Daigaku Kiryu Seimon-mae	approximately 7 min	Orihime Bus
Tobu Kiryu Line Shin-Kiryu Station	<ul style="list-style-type: none"> <li>Bound for Kyu Joshikou-mae</li> </ul>	Gunma Daigaku Kiryu Seimon-mae	approximately 20 min	Orihime Bus

- ※ The School of Science and Technology was established following a reorganization of the Faculty of Engineering in April 2013. Please note that it is still sometimes referred to as the “Faculty of Engineering [工学部].”
- ※ Traveling to the exam location by car or motorbike is forbidden.
- ※ Please be sure to check for the latest public transportation information so that you can reach the exam location well in advance of the exam starting time or the designated time.

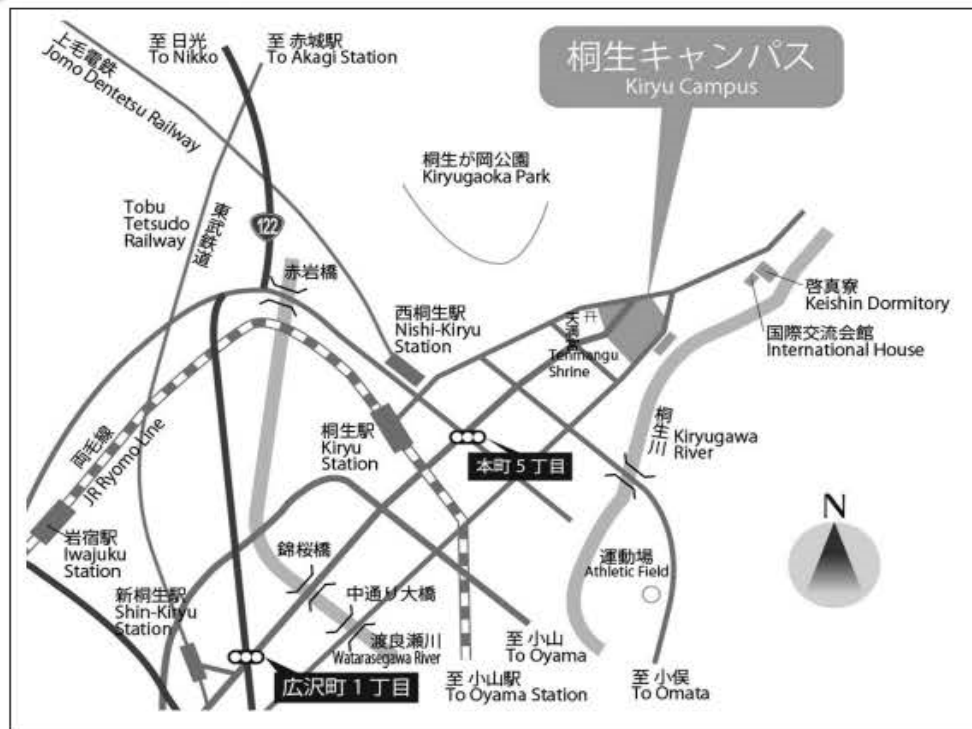
## [ Location Map ]



Showa Campus Map



桐生地区 (理工学部)



## ◆ Overview of Gunma University Interfaculty Initiative in Regulatory Science of Biomedical Science and Engineering

This interfaculty initiative is a master's program organized in close collaboration and cooperation between Gunma University Graduate School of Medicine and Gunma University Graduate School of Science and Technology, as a basic organization for the delivery of inter-graduate school programs. Based on interdisciplinary collaboration in heavy ion beam medical science and engineering at the University, the initiative was established with the aim of fostering researchers and educators with leadership skills who can independently conduct interdisciplinary research across the fields of biomedical science, medical science and treatment, and science and engineering as well as highly skilled professionals who can respond to the needs of society.

The University has conducted research on the development of new medical technologies and devices through the Gunma University Medical Innovation Project, building a foundation of education and research concerning medical engineering. Thus, the project will be incorporated in the education provided by the initiative as well. The program combined with regulatory science is expected to foster human resources capable of commercializing new medical technologies and devices at medical device manufacturers. As the space system industry expands, it will also nurture talents capable of contributing to the development of electronic devices at space system-related research institutions from the perspective of regulatory science and even produce experts with a broad perspective who will enable humans to be active in space systems.

Furthermore, the initiative will cultivate human resources capable of developing new accelerators for heavy ion radiotherapy, such as innovatively power-saving, compact accelerators equipped with a fifth-generation laser accelerator and superconducting gantry, as well as non-destructive testing methods for social infrastructure facilities that utilize this technology.

As such, the initiative is fundamentally intended for providing education on medical physics and radiobiology related to heavy ion radiotherapy, but at the same time, it will provide education that combines medicine and science/engineering with the aim of developing and implementing in society new medical technologies and devices, implementing in society innovative nuclear and fusion technologies, developing holistic and emergent theories concerning space systems, and creating innovative accelerator technologies.

### **Diploma Policy (Policy on Degree Conferment)**

The degree of Master of Biomedical Science and Engineering will be conferred upon all students who have successfully fulfilled all graduation requirements and who have acquired the following abilities:

#### **<Degree conferment requirements>**

1. Having been enrolled for the specified period and earned the credits required in the master's program.
2. Having received the necessary research guidance and successfully passed the review of the master's thesis and final examination.
3. Having acquired diverse academic knowledge and advanced expertise, ranging from science/engineering to biomedical science, as well as high ethical standards.

#### **<Academic achievement goals> (Abilities and qualities to be acquired to earn the master's degree)**

1. Possess an interdisciplinary approach encompassing disciplines ranging from science/engineering to biomedical science and the ability to solve problems by acquiring and synthesizing basic knowledge.
2. Possess advanced expertise and skills ranging from science/engineering to biomedical science and is able to contribute to creating a future society with high ethical standards.
3. Possess a strong sense of responsibility, ethics, and trust and is able to contribute to society at large through innovative research.
4. Possess communication skills to explain own thoughts and decisions logically and accurately and is able to play an active role in society at large.

### **Curriculum Policy**

Curriculums are prepared under the following policy to ensure that you can master the knowledge and abilities required for the degree conferral.

**<Education goals>**

1. Higher education that fosters an interdisciplinary approach encompassing disciplines ranging from science/engineering to biomedical science and the ability to solve problems by acquiring and synthesizing basic knowledge
2. Education that fosters creativity and practical skills to independently discover and take on new challenges through innovative research and practice that builds on the strengths of each faculty member
3. Education that develops basic academic knowledge and high ethical standards related to technology management and other skills required in the fields of biomedical science and science/engineering
4. Education that develops international communication skills to be active globally as a cutting-edge researcher and highly specialized engineer

**<Curriculum contents>**

1. General and introductory, common graduate school subjects, aimed to provide basic knowledge and theory
2. Special collaboration lectures on heavy ion biomedical science and engineering, aimed to foster an interdisciplinary approach encompassing disciplines ranging from science/engineering to biomedical science and the ability to solve problems by acquiring and synthesizing basic knowledge
3. Special exercises and labs, aimed to cultivate practical problem-solving and development research skills
4. Compulsory elective subjects, aimed to cultivate basic knowledge on technology management and high ethical standards required in the fields of biomedical science and science/engineering
5. Elective courses comprising Basic Medical Science Course, Radiation Biomedical Science Course, Biomedical Science Course, and Medicine and Engineering Collaborative Course, aimed to provide education through innovative research and practice that builds on the strengths of each faculty member

**< Education contents and methods>**

1. Each course includes lectures, exercises, labs, and experiments based on students' independent and active participation.
2. Classes are developed according to the goals, content, teaching method, assessment method, etc. of individual courses that make up the curriculum, as detailed in the syllabus.
3. Education and research guidance is provided under the multiple faculty guidance system

**<Assessment of academic achievements>**

Academic achievements will be assessed based on the performance evaluation criteria. The master's thesis will be evaluated in accordance with the procedures and thesis evaluation standards established by the initiative.

**Course accreditation**

The master's degree (Biomedical Science and Engineering) will be conferred upon students who have been enrolled in this interfaculty initiative for two years or more, earned 32 credits or more, received necessary research guidance, and successfully passed the review of the master's thesis and final examination.

Students who have been enrolled for not less than one year and completed the required course credits with excellent marks may graduate from the master's program earlier.

## ◆ Faculty members in charge of research guidance and their main research topics

Please make sure to receive approval for acceptance from your prospective supervisor before applying.

Tel: 027-220-(extension number) for faculty members of the Graduate School of Medicine

0277-30-(extension number) for faculty members of the Graduate School of Science and Technology

0276-50-(extension number) for faculty members with an asterisk (＊)

Email address: Put “gunma-u.ac.jp” after an at-sign (@).

### ■ Faculty members in charge of research guidance on Medicine

Job title	Full name	Main research topics
Professor	Tatsuya Ohno Ext. 8380 tohno@	Based on knowledge of oncology, radiation biology, and medical physics engineering, our research theme is to develop a treatment method using heavy-ion beams and/or photon beams that is strong against target tumors, less invasive on normal tissues, and has a high therapeutic potential.
Professor	Hidemasa Kawamura Ext. 8378 kawa@	Optimize treatment techniques and treatment choices by applying new technologies, based on treatment information and clinical outcomes of cancer heavy ion radiotherapy and high-precision radiotherapy.
Professor	Kazuhiro Suzuki Ext. 8300 kazu@	Our research interests focus on understanding the biology of prostate cancer from the perspectives of the germline genetic analysis of hereditary prostate cancer, the proliferation and lipid metabolism of such cells, and the role of statin, as well as the statin-induced apoptosis.
Professor	Akihisa Takahashi Ext. 7917 a-takahashi@	Our research topics about radiation including heavy-ion beams are to analysis (1) the biological effects on abnormal and normal tissues to enhance treatment effects, and (2) the combined effects of special environment for living healthily in space.
Professor	Mutsumi Tashiro Ext. 8378 tashiro@	Research and development of irradiation techniques and related systems to further improve the accuracy and efficiency of heavy ion therapy (radiotherapy). Investigation and verification of medical physics aspects for solving various problems in heavy ion medicine (radiation medicine).

■ Faculty members in charge of research guidance on Science and Engineering

Job title	Full name	Main research topics
Professor	Hiroshi Sakurai Ext. 1714 sakuraih@	We conduct research and development of a photon counting CT device, a new X-ray CT device that measures energy information as well as X-ray intensity. We provide research guidance on issues related to the diagnosis of diseases related to internal substances, such as stones and arteriosclerosis, using photon-counting CT technology.
Professor	Hayato sone Ext. 1719 hayatosone@	Our research topic is the creation of highly sensitive biosensors using nanoscale measurement and processing technology, to specifically detect ultra-low concentration biomolecules (antigens, antibodies, viruses, etc.) or evaluate the quality of in vitro-fertilized eggs.
Professor	Takaaki Suzuki Ext. 1579 suzuki.taka@	We work to develop Micro Electro-Mechanical Systems (MEMS) manufactured using semiconductor manufacturing technology. We provide research guidance on issues related to bio/diagnostic systems, such as micro-Total Analysis Systems and Lab-on-a-Chip, which integrate pumps, valves, flow channels, sensors, etc. into a palm-sized device.
Professor	Shigeki Takeda Ext. 1434 stakeda@	We provide research guidance on tumor-related molecular biology involving receptors and immunity. We aim to analyze receptors that may be involved in tumor cell survival and proliferation, develop specific ligands, and develop test reagents that use tumor-specific antigens to analyse the ability of immune cells to recognize tumor cells.
Professor	Nobuaki Nakazawa 【*】 Ext. 2244 n.nakazawa@	Our research goal is to develop highly compatible interfaces that smoothly connect people with medical and welfare equipment by measuring body movements and building models using image processing and various sensors.
Professor	Osamu Hanaizumi※ Ext. 1792 hana@	Our research project involves the development of signal processing devices and systems through application of the light and quantum effects.
Professor	Kenta Miura Ext. 1797 mkenta@	Through prototyping and evaluation of ultraviolet (especially UV-C)/X-ray detection elements composed of oxide semiconductors with high biocompatibility, we set, plan, and implement research projects to apply the elements for medical treatments.
Professor	Takao Yamaguchi Ext. 1577 yamagme3@	We work to develop next-generation nursing-care mechanical systems with improved safety. In this research, considering biological reactions using a uniquely proposed nonlinear complex function, we incorporate the systems into the joint elements and muscle elements of a conventional finite element numerical analysis model of the human body that does not include such reactions.
Associate Professor	Kosuke Suzuki Ext. 1714 kosuzuki@	We work to develop imaging methods and optical elements using high-energy X-rays, and observe the three-dimensional radiation source distribution and medical applications of the developed methods.
Associate Professor	Toshitada Yoshihara Ext. 1211 yoshihara@	Our research project is to develop small luminescent molecules that visualize molecular oxygen in cells and tissues based on photochemistry. We provide research guidance on issues related to the establishment of methodologies for quantitative oxygen imaging from molecular design and synthesis, photochemical measurements, cellular and small animal experiments.

※ will retire in March, 2026



# GUNMA UNIVERSITY

## How to make Payment of Examination Fee at Convenience Store or by Credit Card

Now you can transfer funds to pay for your entrance examination - 24 hours a day - from your nearest Lawson, Ministop, FamilyMart, Seven-Eleven or Credit Card.

### 1 Advance Web Application

Visit the payment site homepage from your computer or cell phone at:

**<https://e-shiharai.net/>**



※ You can not correct or cancel anything once your credit card payment has been made. Please check all your information carefully before you confirm the application.

※ If you input the wrong information when trying to obtain your application number, please start again from the beginning and make your payment.  
If you are not able to make the required payment before the due date you will receive this deadline upon completing the online application, all the information you had input will be canceled automatically.

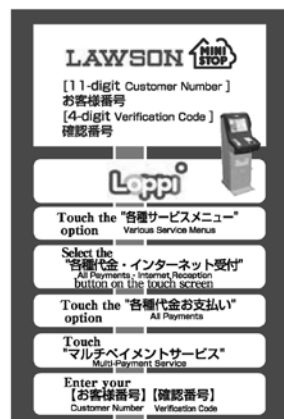
### 2 Convenience Store Payment

The application fee cannot be paid through an ATM. Be sure to make your payment at the cash register.

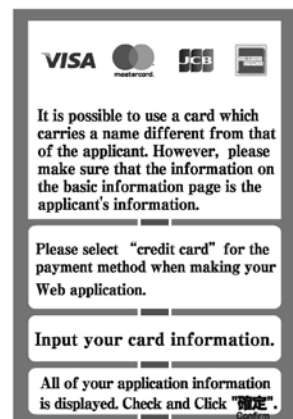
### Credit Card Payment



- Make the payment at the register.
- Receive an Application Fee Statement. Detach the Certificate of Payment (receipt) portion.



- Loppi, FamiPort, or K-Station issues a funds transfer receipt. You will need to take this to the cash register within 30 minutes and make the actual payment.
- Receive an Application Fee Statement. Detach the Certificate of Payment (receipt) portion.



- Payment has been completed. Please write down "受付番号" (Receipt Number). Please print out your "収納証明書" (Certificate of Payment).

### 3 Application

#### [Paying at Convenience Store]

Affix the receipt portion to "The Certificate of Payment" in the designated location.



Attach Your (Certificate of Payment) to the Application

※ When attaching the certificate of payment, be sure to use glue which is suitable for use with thermal paper and pressure-sensitive paper. Please check the glue label.

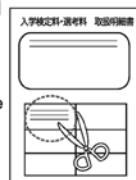
※ In the case that you have made your payment at Convenience Store, it is not necessary to enclose a bank receipt of any kind.

#### [Paying by Credit Card]

After making your payment, please make sure you have access to a printer with paper (A4). Access "申込内容照会" (Inquiry) at e-shiharai.net.

Please [1. Check your card.] [2. Input Receipt Number.] [3. Input your Birth Date.(YYYY/MM/DD)], and click "照会する".

Then all of your application information is displayed. Click Blue-button "証明書を発行する". Affix the cutting portion of "収納証明書" (The Certificate of Payment) in the designated location. Enclose in an envelope with all other necessary application documents.



In the case that you have made your payment using a credit card, it is not necessary to enclose a bank receipt of any kind.

- During payment periods and application periods mentioned in the application documents, you can make a payment anytime. Please confirm from application documents and complete payment in time for the application period.

- On the last date of the payment period, the web application will be closed at 2:30pm, and the final deadline for the information terminal at convenience stores (Loppi, Fami Port, or K Station) will be at 3pm.

- Your inquiry about the payment or the entrance examination fee is not able to be handled at the convenience store. For further information, please check our website.

- Please note that refund is not possible once you have made a payment of Entrance examination fee.

- A fee is added to Examination fee. For further info, please visit our website.

- Please directly contact the credit card company if your card is not accepted.

- It will be announced on our website if either the convenience stores which handle payments or the methods of payment are changed.

# Application Forms

- ◆ Application for Admission/Resume
- ◆ Statement of Purpose  
(General Entrance Exam and Entrance Exam for International Students)
- ◆ Statement of Purpose and Research Proposal  
(Entrance Examination for Adult Students)
- ◆ Form for Affixing the Certificate of Payment of Examination Fee
- ◆ Photo Slip/Exam Voucher
- ◆ Acceptance for entrance exam (Entrance Examination for Adult Students)
- ◆ Research results list (Entrance Examination for Adult Students)
- ◆ Name/Address Slip
- ◆ Request Form for Eligibility Check (where applicable)
- ◆ Certificate of Research Activities (where applicable)