



**Hirosaki University
Graduate School of Health Sciences**

Master's Course

**Radiological Health Science Course
(Special Category for Foreign Student Admission)**

**Application Guidelines
for the Entrance Examination**

Spring 2024 Admission

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I. Special Selection of Foreign Students

I-1. Admission Quota

A few students will be recruited to the Radiological Health Science Course in the field listed in Table 1.

Table 1

	Field		Degree	Number to be Admitted
Health Sciences (Master's Program)	Radiation Science	Radiological Health Science Course	Master's (Health Sciences)	A few students

I-2. Requirements for Application

Non-Japanese nationals and those without Japanese citizenship that meet all the following basic requirements in addition to the appropriate requirements can apply. Japanese language proficiency is not required, however applicants with Japanese language proficiency sufficient for everyday conversation are preferred.

Basic Requirements

- A. Those with certified abilities and academic achievements supported by a letter of recommendation from a Graduate School faculty member who the applicant wishes to have as their research supervisor after admission
- B. Those with a status of residence in Japan that does not interfere with admission to the Graduate School according to Japanese immigration law and the Immigration Control and Refugee Recognition Act or those who expect to acquire such a residence status
- C. Those with English proficiency equivalent to more than B1 in C E F R (Common European Framework of Reference for Languages: Learning, teaching, assessment)
- D. Applicants must enroll in subjects of long-term training courses offered by the Japan International Cooperation Agency (JICA)

Appropriate Requirements

- (1) Those who have completed 16 years of formal education overseas, or those who expect to complete this education by March 2024
- (2) Those who will have completed 15 years of formal education overseas by March 2024 and are recognized as having acquired the predetermined number of academic units in this Graduate School with excellent grades
- (3) Those recognized as having equal or superior academic ability to someone who has graduated university, by means of an individual entrance examination for this Graduate School, and who will reach 22 years of age by March 31, 2024

Please note – The qualifications of those who wish to apply on the basis of Appropriate Requirements (2) or (3) are reviewed prior to application and the Graduate School will conduct their own evaluation of your credentials

I-3. Preliminary Consultation

- Interested applicants are asked to contact the faculty member who they wish to have as their supervisor by phone, e-mail or other means prior to application, and to make sure to seek advice and guidance regarding post-admission course content, requirements, research and other matters in addition to obtaining

the faculty member's letter of recommendation and consent to act as supervisor.

- For a list of faculty members, please refer to Table 5 “Supervising faculty in each field and research topics” on pages 7 to 8.
- For information on the Radiological Health Science Course, please see section “II-3. The Radiological Health Science Course.”
- If you have any questions, please contact the office below:

Student Affairs Office, Hirosaki University Graduate School of Health Sciences,
Email: jm5911@hirosaki-u.ac.jp

I-4. Formal Review of Qualifications for Application

Those who wish to apply on the basis of Appropriate Requirements (2) or (3) are asked to undergo an individual formal review of their qualifications for application in advance.

1. Documents to be Submitted

Those who wish to apply on the basis of Appropriate Requirement (2) are asked to submit the documents listed in Table 2.

Table 2

(1) Application for Recognition of Academic Requirements	Please fill out the necessary information on Foreign Students – Form A
(2) Academic Transcript	Created and placed in a sealed envelope by the president or other administrative head from which you graduated
(3) Graduation Certificate	Created by the president or other administrative head from which you graduated
(4) Letter of Recommendation	Created by the president or other administrative head from which you graduated

Those who wish to apply on the basis of Appropriate Requirement (3) are asked to submit the documents listed in Table 3.

Table 3

(1) Application for Recognition of Academic Requirements	Please fill out the necessary information on Foreign Students – Form A
(2) Academic Transcript from the last school attended	Created and placed in a sealed envelope by the president or other administrative head from which you graduated
(3) Graduation Certificate from the last school attended	Created by the president or other administrative head from which you graduated
(4) Official Regulations etc. of the graduating school	Document describing the requirements for graduation (period of attendance, course subjects, number of units), syllabus of course subjects necessary for graduation etc. (document describing course content)
(5) Certificate of Tenure etc.	Certificate created by the immediate supervisor at the applicant's place of employment regarding tenure and job role (optional form)

2. Application Period

From March 20 (Mon) to March 24 (Fri), 2023, 5:00 PM (JST)

*The documents must arrive no later than the last day of each application period.

3. Submission Address

Student Affairs Office, Hirosaki University Graduate School of Health Sciences, 66-1 Hon-cho,
Hirosaki-shi, 036-8564, Japan

4. Notification of Recognition Results

Applicants will be notified of the results of their review by e-mail by either of the following dates.
April 7 (Fri), 2023

I-5. Application Procedures

1. Application Period

From April 17 (Mon) to April 21 (Fri), 2023, 5:00 PM (JST)

*The documents must arrive no later than the last day of each application period.

2. Application Method

Applicants are asked to assemble the following application documents and make sure to send them by registered mail, such as Express Mail Service (EMS), where a tracking number is provided. Please write the following in red on the front of the envelope: "Enclosed are Application Documents for Special Selection of Foreign Students, Master's Course, Graduate School of Health Sciences." Before mailing the application documents, please also pay the entrance examination fee by bank transfer.

Submit to: 66-1 Hon-cho, Hirosaki-shi 036-8564, Japan

Student Affairs Office, Hirosaki University Graduate School of Health Sciences,

Email: jm5911@hirosaki-u.ac.jp, FAX: +81-172-39-5912

3. Precautions for Application

- Incomplete application documents will not be accepted.
- The contents of documents cannot be changed after application. However, in the event of a change of name, address or telephone number, please contact the Student Affairs Group of Hirosaki University Graduate School of Health Sciences.
- Paid examination fees will not be refunded for any reason, except in the following cases:
 - (1) The examination fee was paid, but the application documents were not submitted
 - (2) The examination fee was paid, but the application documents were not accepted
 - (3) The examination fee was paid twice in error
- In the event of false information in the application documents, admission may be revoked even after admission is complete.

4. Examination Fee Payment Methods

The examination fee of 30,000 yen will be separately invoiced to the scholarship support organization.. .

I-6. Application Documents

Table 4: Special Selection of Foreign Students, List of Application Documents

* English versions of the application documents (forms 1–7, A) can be downloaded from the Graduate School of Health Sciences Website. URL: <http://www.hs.hirosaki-u.ac.jp/kouhou/hg/web/entrance.html>

* Documents indicated by ☉ must be submitted, while documents indicated by ○ are only to be submitted by relevant applicants.

Table 4

Documents	Description	
(1) Special Selection of Foreign Students Admission Application Form	Please fill out the necessary items on Foreign Students – Form 1.	◎
(2) Admission Ticket and Photo Ticket for Examination	Please fill out the necessary items on Foreign Students – Form 2 with a photograph of yourself attached. The photograph (4 cm tall × 3 cm wide) must be one of you taken within 3 months before application, and must show you (including your upper body) facing forward without wearing a hat and without a background. The photograph should be affixed in the specified column of the designated form.	◎
(3) Curriculum Vitae (Resume)	Please fill out the necessary items on Foreign Students – Form 3 and submit this form.	◎
(4) Academic Transcripts	(a) Created and placed in a sealed envelope by the president or other administrative head of your graduating university (b) Not needed for those applying according to Appropriate Requirements (2) or (3)	○
(5) Graduation (Expected) Certificates	(a) Created by the president or other administrative head of your graduating university (b) Those applying according to Application Requirements (2) or (3) must submit their Entrance Examination Pass Results (copy)	○
(6) Research History or Performance Report for Specialized Training	Please fill out the research topics studied during university enrollment or after graduation, or your record of participation in specialized, expertise-related training on Foreign Students – Form 4 and submit this form. (Note 1) Please affix separate prints or copies of your books, academic papers, etc.	◎
(7) English Proficiency	Please fill out the results of your English language proficiency test (TOEIC, TOEFL or IELTS) on Foreign Students – Form 4 and submit this form with a copy of the official score card for your test. If you don't get the results of your English language proficiency test (TOEIC, TOEFL or IELTS), please apply to general selective examination.	◎
(8) Research Plan	Please fill out the necessary items on Foreign Students – Form 5 and submit this. (No more than 2,000 Japanese characters or 500 English words.)	◎
(9) Letter of Recommendation	Those working as supervisors etc. at their graduating (expected) university or employed by a government office or company must submit a letter of recommendation created by their immediate supervisor or equivalent person (optional form)	◎
(10) Letter of Acceptance and Recommendation from a Graduate School Faculty Member	Applicants are asked to contact their desired supervisor (accepting faculty member) from the Graduate School of Health Sciences, and seek guidance regarding their research plan and other matters in addition to obtaining their consent for providing supervision and a letter of recommendation. The desired supervisor (accepting faculty member) must fill out the necessary items on Foreign Students – Form 6 and sign this form, which must be submitted together with documents showing the correspondence history (copies of correspondence including letters, e-mails, etc.) between the desired supervisor (accepting faculty member) and the applicant.	◎
(11) Certificate of Residence	Please submit "Certificate of Residence" if you currently live in Japan. (If you are not a resident in Japan at the time of application, please submit a copy of a valid visa with the applications.) ※If you are a Japanese Government scholarship student, please also submit the certificate of the Japanese Government scholarship student issued by your university.	◎

* Please follow the following steps for **Form 6** of the application documents.

- Please choose a desired supervisor from among the faculty members of the Graduate School of Health Sciences. Applicants are asked to contact the Academic Affairs Group of the Graduate School of Health Sciences by e-mail in addition to directly contacting their desired supervisor.
- Applicants are asked to make close contact with their desired supervisor to seek guidance and advice regarding their research plan and to ensure they obtain the desired supervisor's consent prior to application.
- **Form 6** is submitted by the desired supervisor, so applicants are asked to confirm with their desired supervisor that submission has taken place.

- If Application Documents is not written in English or Japanese, the original one and its English or Japanese translation must be submitted.

I-7. Method of Selecting Students

Applicants will be assessed by oral examination and submitted application documents. The Oral Examination will be conducted in English. However, those who have difficulty in coming to Japan can be assessed by document screening as a special measure.

I-8. Dates and Place of Examination

May 10 (Wed.), 2023

Subjects	Examination Time	Place
Oral Examination	15 : 00~ Japan Standard Time	Hirosaki University (Honcho Campus, the Building of Graduate School of Health Sciences)

I-9 Announcement of Results and Acceptance

Spring 2024 Admission

May 26 (Friday), 2023, 10:00 AM (tentative)

Results will be announced on the bulletin board on the ground floor of the Graduate School of Health Sciences, Hirosaki University, and will also be mailed to successful applicants.

Additionally, successful applicants' examinee numbers will be announced on our website.

URL: <https://www.hs.hirosaki-u.ac.jp/kouhou/hg/web/>

Inquiries regarding acceptance or rejection by telephone, etc. will not be accepted.

II. Procedures for Enrollment/Registration and Payment of Fees

II-1. Admission Procedures

1. Period for Admission Procedures

Successful applicants will be notified and the details of the admission procedures will be provided.

2. Expenses for Enrollment and Admission

- Admission fee(estimated) : JPY 282,000
- Tuition fees: 267,900 yen per semester (535,800 yen per academic year)

Note 1: Paid admission fees cannot be refunded for any reason.

Note 3: If revisions are made to the admission fee and tuition fees by the time of admission, the revised fees shall apply.

II-2. Protection of Personal Information

Personal information, such as name, address, etc., provided by applicants to the university in the process of applying for admission will only be used for the following: 1) assessment of applicants; 2) announcement of results; 3) enrollment procedures; 4) surveys and research on student selection methods; and related matters, as well as for the management of student records and grades in academic affairs after enrollment. Personal information obtained will be managed appropriately and will not be used for any purpose other than the intended use.

II-3. The Radiological Health Science Course

The academic objectives for training human resources for the Radiological Health Science Course are listed below.

Those who have completed the Radiological Health Science Course will be granted the title of Radiological Health Scientist.

Furthermore, the Radiological Health Science Course does not have any provisions regarding staff quotas or restrictions.

However, the topics of Master's theses for the Radiological Health Science Course must be related to radiation.

Objectives

To train high-level specialists and leaders in emergency radiological medicine as human resources capable of preparing for emergency accidents related to radiation, as well as educators and researchers capable of contributing to the development of academics in this field.

Academic objectives

- (1) To master specialist knowledge and skills relating to emergency radiological medicine.
- (2) To master leadership capabilities required in the field of emergency radiological medicine.
- (3) To master training and research capabilities relating to emergency radiological medicine.

II-4. Other Matters

Applicants with physical disabilities are asked to contact the following number prior to application considering their potential need for special considerations with respect to examinations and learning.

If any other questions or uncertainties arise during application, please contact the office below.

Student Affairs Office, Hirosaki University Graduate School of Health Sciences,
Email: jm5911@hirosaki-u.ac.jp

Supervising Faculty in Each Field and Research Topics List of Advisors

Table 5 Radiation Science

Advisors	Research Themes
Shinji Tokonami, Professor Tel: +81-172-39-5404 tokonami@hirosaki-u.ac.jp	<ul style="list-style-type: none"> ○Advanced technology and standardization of radiation measurement and dose assessment ○Evaluation and analysis of behavior of radioactive materials and radiation in the environment ○Risk analysis for construction of a radiation protection system including risk communication and epidemiology
Eichi Tsuruga, Professor Tel: +81-172-39-5954 tsuru@hirosaki-u.ac.jp	<ul style="list-style-type: none"> ○Regulation of alveolar elastic fibers ○Mechanism of skin dermis elastic system fiber formation ○Remodeling of the ciliary zonule ○Biological basic research leading to an effective radiation therapy ○Study on roles of organelles in cellular radiation response
Yasuyuki Takahashi, Professor Tel: +81-172-39-5917 ytaka3@hirosaki-u.ac.jp	<ul style="list-style-type: none"> ○Studies on tracer kinetics and bioanalysis ○Studies on improvement of SPECT and PET image quality ○Studies on reduction of medical exposure ○Research related to the law of radiological technologist ○Research on safety management in the event of a radiation emergency
Kohsei Kudo, Professor Tel: +81-172-39-5958 kohsei@hirosaki-u.ac.jp	<ul style="list-style-type: none"> ○Reduction in radiation exposure by performance evaluation of digital image equipment for X-ray ○Estimation of lens exposure dose in eye of medical staff ○Development of an X-ray image transfer system to contribute to regional healthcare ○Safety utilization of medical radiation
Naofumi Akata Professor Tel: +81-172-39-5405 akata@hirosaki-u.ac.jp	<ul style="list-style-type: none"> ○Development of analytical methods for radioactive material in biological samples using radiochemical technique ○Study of tritium measurement in environmental and biological samples ○Geochemical study using tritium and cosmogenic radionuclides as a tracer
Masahiro Hosoda, Professor Tel: +81-172-39-5956 m_hosoda@hirosaki-u.ac.jp	<ul style="list-style-type: none"> ○Measurement, environmental dynamics and dose estimation of environmental radiation and radionuclides ○Advancement of radiation measurement methods and dose evaluation in radiation emergency medicine
Satoru Monzen, Associate Professor Tel: +81-172-39-5959 monzens@hirosaki-u.ac.jp	<ul style="list-style-type: none"> ○Side effect management in cancer external radiotherapy and radioisotope therapy using body fluid biomarker(s) ○Investigation of the mechanism in the pathogenesis of bone marrow failure induced by high dose rate ionizing radiation ○Search for the radiation biodosimetric marker(s) with high precision in biogenic substances
Yasutaka Omori, Associate Professor Tel: +81-172-39-5244 ys-omori@hirosaki-u.ac.jp	<ul style="list-style-type: none"> ○Evaluation of internal and external radiation exposure for natural radionuclides ○Dynamics in the environment and dose evaluation for radionuclides discharged by a nuclear accident ○Migration of radon and thoron in the environment
Megumi Tsushima, Lecturer Tel: +81-172-39-5920 tmegumi@hirosaki-u.ac.jp	<ul style="list-style-type: none"> ○Clinical study on ultrasonic diagnosis of the atherosclerosis ○Practice of the radiation education
Co-Advisor	Research Themes
Minoru Osanai, Assistant Professor Tel: +81-172-39-5524 ominoru@hirosaki-u.ac.jp	<ul style="list-style-type: none"> ○Safety utilization of medical radiation
Shingo Terashima Assistant Professor Tel: +81-172-39-5525 s-tera@hirosaki-u.ac.jp	<ul style="list-style-type: none"> ○Dose evaluation using Monte Carlo method in medical exposure ○Evaluation of dose distribution in radiation therapy by Monte Carlo method

<p>Hironori Yoshino, Assistant Professor Tel: +81-172-39-5528 hyoshino@hirosaki-u.ac.jp</p>	<p>○Biological basic research leading to an effective radiation therapy ○Study on roles of organelles in cellular radiation response</p>
<p>Masaru Yamaguchi Assistant Professor Tel: +81-172-39-5961 masarun@hirosaki-u.ac.jp</p>	<p>○Study on the radio-mitigative therapy of individuals exposed to total body irradiation</p>