MASTER'S PROGRAM OF MEDICAL SCIENCES
INTERNATIONAL COURSE FOR

"PUBLIC HEALTH SCIENCES FOR HUMAN SECURITY"

Third Selection

Fall 2018
If you have any questions about this course, please contact us.
Tohoku University Graduate School of Medicine, Graduate Academic Affairs Section
Fax Number: +81 (0) 22 717 8021
E-mail: HStohoku-jimu@med.tohoku.ac.jp

Admission Information & Application Forms can be downloaded from: www.med.tohoku.ac.jp/english/admissions/
Tohoku University was founded in 1907 as the third imperial university, during the period when Japan had begun to transform itself into a modernized society. Since then, it has played a leading role in Japan in both research and education with a mission to search for truth, create and disseminate human knowledge, thereby contributing to the realization of a society where humanity can live in peace and dignity. The university consists of 10 undergraduate schools, 17 graduate schools, 6 research institutes and a number of other institutes for education and research. Today it has nearly 6,450 faculty members and about 18,000 students in both undergraduate and graduate schools, including 1,580 international students.

Throughout the last century, the university upheld the following three principles: "Research First," "Open-Door," and "Practice-Oriented Research and Education," demonstrating that the members of this institution have been keenly aware that internationalization in research and education is an essential condition for achieving our mission and aims.

In November of 2004, Tohoku University declared that it is striving for global excellence under the slogan "Tohoku University, Creating Global Excellence" The University is making every effort to pursue this goal, and at the same time, through this effort, to contribute to social advancement and the realization of wellbeing for all of humanity.

Tohoku University is located in Sendai city, which is the functional center of the Tohoku region, the northern part of the main land of Japan. Tohoku is surrounded by many beautiful woodland areas which bring us the wonder of the four seasons, and displays both the nature and the culture of Japan. Sendai itself is a historic port city, with a population of one million, close to the mountains and hot springs, and known for its bounty of the sea and land.

(Map provided by Public Relations Division of Miyagi Pref.)

(Photos provided by Tourism Division of Miyagi Pref.)
The Tohoku University, Graduate School of Medicine’s Master's Program – International Course for "Public Health Sciences for Human Security" – is seeking students according to the following guidelines:

I. Introduction; the Tohoku University Joint International Program on Human Security

The mission of Tohoku University is to search for truth and create and disseminate human knowledge, thereby contributing to a society where humanity can live in peace and dignity. More specifically, as an inclusive university, bringing together a collaborative and mutually stimulating mix of academic fields, our aims are to honor the wisdom of the world throughout history, identify current and future agendas for scholarship, share our knowledge and discoveries with the community and the world, and actively cultivate individuals with the desire and capability to contribute to humanity.

To achieve its mission, Tohoku University provides an international and interdisciplinary Educational program on "Human Security" by collaboration with the Graduate School of Medicine, the Graduate School of Environmental Studies, Graduate School of Agricultural Science, and Graduate School of International Cultural Studies. All courses in the Program are lectured in English.

After the cold war ceased in the early 1990’s, the concept of "Human Security" became the primary common concern of international society. The new concept addresses the issues of security of "people," instead of "nation," such as illness, disasters, outbreaks of infectious diseases, environmental hazards, poverty, conflicts and so forth, and recognizes that all people of the world have the right to live in peace and free from fear and want. Most of the insecure events and situations in the 21st century are complex and caused by multiple factors. Their solutions might require new leaders, both in research and in practice, who carry broader perspectives based on interdisciplinary views and scientific knowledge.

The joint program currently involves four disciplines as follows:

**Public Health** with focus on preventable death events, as well as social systems in their background, such as infectious diseases, chemical hazards, disasters, patient safety, etc. **Environment** with focus on the method of settlement and influence of environmental changes in water resources, forest, and climate on the individual and social lives, caused by natural phenomenon and human activities. **Food & Agriculture** with focus on individual security for food, for example, security of food supply, economic development and food diversification, quality of food, and administration of food resources and nationalism. **Society** with focus on the topics of individual social security problems on the level of daily lives affected by human rights, gender, conflict, refugees, and researching how social security would be established in the changing situation of environments, surrounding states and citizens.

Students apply for one of the above four Graduate Schools which will confer respective academic degrees when they satisfy their requirements. The Graduate School of Medicine provides International Course for "Public Health Sciences for Human Security" for the degree of "Master of Medical Sciences" and "Master of Public Health."
II. Objective of International Course for "Public Health Sciences for Human Security"

The International Course for "Public Health Sciences for Human Security" aims to develop researchers and public health leaders in Asia and the rest of international society who will contribute to the realization of human security by taking leadership in the solutions of security problems in public health.

III. Description of the Program

1. Degree

The Master's program is two years long. The student will be given the degree of "Master of Medical Sciences" if he/she successfully passes the required subjects and obtains 30 or more credits, defends his/her master's thesis, and passes the final examination.

Students who have successfully completed the master's program can apply for the doctoral program. After completion of the doctoral program, the students will receive certification as a Doctor of Philosophy (Ph.D) in Medicine.

2. Academic period

The enrollment date for the program will be on October 1. The academic year consists of two semesters.

3. Curriculum

All courses in the Program are lectured in English.

Unit requirement depends on the Course Curriculum.

4. Research Themes

Students have to take seminars regularly which are provided by their supervisors, and write and defend the Master's dissertation on the 2nd year under the supervisor's instruction. Students can choose the supervisor of their Master's thesis from the three divisions listed below:

I. Medical Sciences

<table>
<thead>
<tr>
<th>Research Theme</th>
<th>Supervisor in Charge</th>
<th>Department</th>
<th>URL</th>
</tr>
</thead>
<tbody>
<tr>
<td>-Mechanisms of cancer stem cell radioresistance</td>
<td>Prof. Yoshio Hosoi</td>
<td>Department of Radiation Biology</td>
<td><a href="http://www.med.tohoku.ac.jp/english/about/laboratory/001.html">http://www.med.tohoku.ac.jp/english/about/laboratory/001.html</a></td>
</tr>
<tr>
<td>-Biological effects of low doses of ionizing radiation</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Epidemiology and control of viral infections and emerging diseases</td>
<td>Prof. Hitoshi Oshitani</td>
<td>Department of Virology</td>
<td><a href="http://www.med.tohoku.ac.jp/english/about/laboratory/013.html">http://www.med.tohoku.ac.jp/english/about/laboratory/013.html</a></td>
</tr>
<tr>
<td>-Molecular and environmental toxicoology</td>
<td>Prof. Takaaki Akaike</td>
<td>Department of Environmental Health Sciences and Molecular Toxicology</td>
<td><a href="http://www.med.tohoku.ac.jp/english/about/laboratory/086.html">http://www.med.tohoku.ac.jp/english/about/laboratory/086.html</a></td>
</tr>
<tr>
<td>-Oxidative stress and environmental stress response</td>
<td></td>
<td></td>
<td><a href="http://www.toxicosci.med.tohoku.ac.jp/introductioneng.html">http://www.toxicosci.med.tohoku.ac.jp/introductioneng.html</a></td>
</tr>
<tr>
<td>-Molecular pathogenesis of infectious diseases</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>-Disaster Medicine and Public Health</td>
<td>Prof. Shinichi Egawa</td>
<td>Department of International Cooperation for Disaster Medicine</td>
<td><a href="http://www.med.tohoku.ac.jp/english/about/laboratory/132.html">http://www.med.tohoku.ac.jp/english/about/laboratory/132.html</a></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td><a href="http://irides.tohoku.ac.jp/eng/organization/medicine/01.html">http://irides.tohoku.ac.jp/eng/organization/medicine/01.html</a></td>
</tr>
</tbody>
</table>

5. Admission/Tuition Fee Exemptions
(1) Exemption of Admission Fee
Students in severe financial difficulties can apply for exemption from payment of the admission fee.

(2) Exemption of Tuition Fee
Students recognized as being in severe financial difficulties can apply for tuition fee exemption.
※ After applying, a strict screening by Tohoku University will determine whether it is approved (100% or 50% or 1/3 exemption) or disapproved.

6. Student Accident and Disaster Insurance
This insurance covers damages or injuries resulting from experiments, clinical research, school activities or extracurricular activities. The insurance costs 2,790 yen for two years. (The amount of money may change.)

IV. Application Procedures
1. Positions available: up to 6

2. Qualifications for Application
This requirement applies for those non-Japanese / Japanese people live in outside of Japan.
For those who live in Japan are able to apply through application guideline. Please refer to Tohoku University School of Medicine webpage.
(URL: http://www.med.tohoku.ac.jp/english/admissions/admissions/apply/index.html)

Applicants for the Master's Course have to satisfy the following conditions:
(1) Those who have graduated, or expect to graduate from a university by the end of September 2018.
(2) Those who have acquired, or expect to acquire a Bachelor degree in compliance with the condition established by Clause 4 of Article 104 of the School Education Law by the end of September 2018.
(3) Those who have completed, or expect to complete 16 years of education abroad by the end of September 2018.
(4) Those who have completed, or expect to complete 16 years of foreign education in Japan through a correspondent course of a foreign university or school while residing in Japan by the end of September 2018.
※ A university or school shall be one that has been approved by the educational system of that country and the Minister of Education, Culture, Sports, Science and Technology of Japan.
(5) Those who have completed, or expect to complete 16 years of a foreign education at educational institution located in Japan that is designated by the Ministry of Education, Culture, Sports, Science and Technology of Japan by the end of September 2018.
※ Educational institution shall be one that has been approved by the educational system of that country and the Minister of Education, Culture, Sports, Science and Technology of Japan.
(6) Those who have acquired, or expect to acquire Bachelor Degree-Equivalent by completing the course of at least 3 years at a foreign university or a school by the end of September 2018.
※ A foreign university or a school shall be approved by the certain organizations authorized by its government or government agencies, or shall be designated as an equivalence by Minister of Education, Culture, Sports, Science and Technology of Japan.
※ “Completing the Course of at least 3 years” includes the completion through both correspondent course of a foreign university and the foreign education at educational institution located in Japan. (Refer to clause (4), (5).)
(7) Those who have graduated from a specialized course of professional school designated by the Minister of Education, Culture, Sports, Science and Technology of Japan, on/ after the date fixed by the Minister, or those expecting to graduate by the end of September 2018.
※ A specialized course shall be more than 4 years and meet other criteria stipulated by the Minister.
(8) Those who have been designated as eligible by the Ministry of Education, Culture, Sports, Science and Technology of Japan.
(9) Those who have entered a graduate school of another university according to clause 2 of Article 102 of the School Education law, and are admitted by Graduate school of Tohoku University to have a sufficient eligibility to study at Graduate school.
(10) Those who will be 22 years of age or older by the end of September 2018 and are admitted to have achieved an academic standard equivalent to or more than those who have graduated from a university.
(11) Those who have completed 15 years of school education in foreign country, or 15 years of foreign
education through a correspondent course of a foreign university or a school or 15 years of a foreign education at educational institution while residing in Japan, and are admitted to attain required credits with excellent records by Graduate of school, or those expecting to achieve the above by the end of September 2018.
※: The educational institution shall be one that has been approved by the educational system of that country and designated by the Minister of Education, Culture, Sports, Science and Technology of Japan.

PLEASE NOTE: The information written in parentheses is for the applicants who apply for Fall 2018.

3. Application Procedure

PLEASE NOTE: It is necessary for applicants to communicate directly and receive approval and permission with supervisor whom they desire prior to submitting application documents.

(1) Application forms
The prescribed application forms can be downloaded from the following website:
URL: http://www.med.tohoku.ac.jp/english/admissions/admissions/apply/

(2) Application Period & Schedule
a) For those non-Japanese/Japanese people live in outside of Japan: We seek students who wish to apply for admission to this Master's Program based on the schedule below.
   The screening is conducted once or twice an academic year, for both the spring and fall enrollment of the next academic year.

<table>
<thead>
<tr>
<th>Application Period</th>
<th>June 1(Fri) , 2018 –June 13 (Wed), 2018(Japan time)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Document Prescreening</td>
<td>June 21(Thu), 2018</td>
</tr>
<tr>
<td>Telephone Interview</td>
<td>July 2(Mon), 2018 –July 12(Thu), 2018</td>
</tr>
<tr>
<td>Announcement of the results</td>
<td>July 19 (Thu), 2018</td>
</tr>
<tr>
<td>Enrollment</td>
<td>October 1 2018</td>
</tr>
</tbody>
</table>

b) For those who live in Japan: Follow the same procedure and schedule as the Medical Sciences Master's Program.

(3) Submitting Application
a) We ONLY accept applications that arrive during the above mentioned application period (excluding Saturdays, Sundays, National Holidays and New Year's Holiday) between the hours of 9:00 am to 4:30 pm.
b) All applications must arrive by the deadline of the application period. Please note that these dates are Japan time.
c) Applications sent by mail must be posted by registered express mail.
d) Applicants must submit all application documents (ref. the following (4) Application Documents) and the application fee of 30,000 yen to the Graduate Academic Affairs Section of Graduate School of Medicine at the address indicated below.

There is NO prescribed application envelope.

Tohoku University Graduate School of Medicine, Graduate Academic Affairs Section, 2-1, Seiryo-machi, Aoba-ku, Sendai, 980-8575, Japan
Mail: HStohoku-jimu@med.tohoku.ac.jp

(4) Application Documents

Download:
| 1 | **Application form and C.V. (prescribed form style No.1-1,1-2)**  
One 4 cm × 3 cm photo must be attached in the space provided. The photo should be taken showing the upper half of the body without a hat/cap within 3 months of application, and should have the applicant's name and nationality written on the back. |
| 2 | **Official academic transcript (submit one of the documents listed below)**  
Original ONLY. Photocopies or facsimiles are not acceptable.  
1) Official academic transcripts for undergraduate courses from the president or the dean of the university where the applicant graduated (properly sealed).  
2) Official academic transcript from any other higher educational institutions (properly sealed). |
| 3 | **Certificate of graduation or expected graduation documents (submit one of the documents listed below)**  
Original ONLY. Photocopies or facsimiles are not acceptable.  
1) Certificate of graduation or expected graduation from a university.  
2) Certificate of completion from any other higher educational institutions. |
| 4 | **Degree certificate or certificate of expected degree award from a university. Photocopy is acceptable.** |
| 5 | **Certificate of Health (prescribed form style No.2)**  
The certificate of health should be filled out by a physician within 6 months of application. Other forms can be used providing that all items on the prescribed form are covered. |
| 6 | **Official Score Certificate of Internationally Recognized English Proficiency Test**  
Original copy or photocopy of the certificate which proves the TOEFL® Test score or other internationally recognized English proficiency examinations.  
※TOEFL is a registered trademark of Educational Testing Service (ETS). |
| 7 | **Recommendation Form (prescribed form style No.3-1, 3-2) & Letters of recommendation from 2 people**  
1) An academic adviser, an appropriate faculty member from the same or higher level of undergraduate program, a graduate school academic supervisor or a person who has full knowledge of applicant's profession.  
2) At least one letter is from University Professor (personal supervisor), where applicant is/was studying. (Personal supervisor is advisable, but other Professors are also acceptable.)  
3) If applicant sees difficulty to obtain a letter from person stated above 2), s/he needs to write reason for this matter and prepare both letter from person stated in 1).  
4) Fill in the recommendation forms to show the status of recommender and relation between her/him and applicant. In the case Tohoku University cannot identify it clearly, office might ask further documents / certificate to submit.  
5) There is no prescribed envelope. |
| 8 | **Statement of objectives and plans (prescribed form style No.4)**  
The applicant's essay must be no less than 800 words and no more than 1,000 words in length. Please describe the following: 1. Your reasons for wanting to enroll in this International Course for "Public Health Sciences for Human Security" ; 2. The research theme, field and subject of your interest ; 3. Your career plans upon completion of this Master's Program. |
| 9 | **Application fee**  
Application fee is 30,000 yen *(CASH ONLY)*  
Application is not accepted until the fee is paid.  
※For oversea applicants, please contact HStohoku-jimu@med.tohoku.ac.jp for possible alternative payment way. |
| 10 | **Receipt for application fee payment (prescribed form style No.5)**  
The applicant should write his/her name in the two parts on the applicable sheet. |
| 11 | **Application card/Photo card (prescribed form style No.6)**  
One 4 cm × 3 cm photo must be attached in the space provided. The photo should be taken showing the upper half of the body without a hat/cap within 3 months of application, and should have the applicant's name and nationality written on the back. |

### 1. Area of Research Themes

<table>
<thead>
<tr>
<th>Research Theme</th>
<th>Advisor in Charge</th>
<th>Department</th>
<th>e-mail/URL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Medical Sciences</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Research Area</td>
<td>Supervisor</td>
<td>Department</td>
<td>E-mail</td>
</tr>
<tr>
<td>---------------</td>
<td>------------</td>
<td>------------</td>
<td>--------</td>
</tr>
<tr>
<td>Mechanisms of cancer stem cell radioresistance</td>
<td>Prof. Yoshio Hosoi</td>
<td>Department of Radiation Biology</td>
<td><a href="mailto:ymurata@med.tohoku.ac.jp">ymurata@med.tohoku.ac.jp</a></td>
</tr>
<tr>
<td>Epidemiology and control of viral infections and emerging diseases</td>
<td>Prof. Hitoshi Oshitani</td>
<td>Department of Virology</td>
<td><a href="mailto:oshitanih@med.tohoku.ac.jp">oshitanih@med.tohoku.ac.jp</a></td>
</tr>
<tr>
<td>Molecular and environmental toxicology</td>
<td>Prof. Takaaki Akaike</td>
<td>Department of Environmental Health Sciences and Molecular Toxicology</td>
<td><a href="mailto:secretariat@toxicosci.med.tohoku.ac.jp">secretariat@toxicosci.med.tohoku.ac.jp</a></td>
</tr>
<tr>
<td>Disaster Medicine and Public Health</td>
<td>Prof. Shinichi Egawa</td>
<td>Department of International Cooperation for Disaster Medicine</td>
<td><a href="mailto:icdm-secretary@irides.tohoku.ac.jp">icdm-secretary@irides.tohoku.ac.jp</a></td>
</tr>
</tbody>
</table>

Please choose one from the above for your research supervisor and write in the applicable column in the application form. It is necessary for applicants to contact directly and receive approval and permission with supervisor whom they desire prior to submitting application documents.

2. Under certain circumstances, you might be requested to submit documents in addition to the application documents.
3. Please print legibly in black or blue ink.
4. All the application documents should be written in English or Japanese.
5. The University cannot return any of the application documents after we accept them.
6. Please be advised that Tohoku University may take steps to verify all the submitted documents in order to protect against fraud.

(5) Application documents should be addressed to, and for any inquiry;
Tohoku University Graduate School of Medicine, Graduate Academic Affairs Section,
2-1, Seiryo-machi, Aoba-ku, Sendai, 980-8575, Japan
FAX Number: +81 (0) 22 717 8021
E-mail Address: HStohoku-jimu@med.tohoku.ac.jp

(6)Reminders
a) Any blank spaces or irregularities found in applications may cause denial of the application, so applicants should exercise great care when filling out application forms.
b) If it is found that the applicant has misrepresented the facts in an application, it may be the cause of cancellation of his/her admission, even if the applicant is accepted.
c) The application due formally accepted, fee of 30,000 yen is NOT refundable under any circumstances.

4. Prescreening
Prescreening for confirmation of eligibility will be done for application forms that arrive before May 30, 2018. Please note that this will not be done for applications that arrive after that date.

5. Screening
(1) Screening will be conducted comprehensively on the basis of the submitted application documents, essay, language ability, and the result of interview. Applicants will be required to have a phone interview on a date arranged beforehand. Date will be announced individually through an e-mail.
(2) Application card will be sent to applicant's e-mail address. Please check your Application No.
(3) Although there is no limit set on the number of openings for students for each division, we must limit the number of students we accept in the event of large numbers of applicants applying for a certain division. They may not receive their first choice of division. Those who have a second choice should write in the space for "Division You Apply For" provided on the application form.

6. Announcement of Successful applicants & Admission Procedures
(1) Official screening results will be sent by E-mail to all applicants and admission documents will be sent by mail to successful applicants.
(2) Fees for admission are as follows:
a) Admission fee: 282,000 yen
b) First semester tuition: 267,900 yen (annual tuition: 535,800 yen)

Special Remarks
1) New students must pay tuition either by a one-time payment or in two installments. In the event that the amount of payment that students are required to pay is revised at the time of their enrollment or while they are in school, the revised amount of payment will be applied as of the revision.
2) A detailed explanation on the information such as exemption of the admission or tuition fees, or deferment of payment will be announced to successful applicants.
3) The enrollment date is as follows:

<table>
<thead>
<tr>
<th>Schedule of Enrollment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall 2018</td>
</tr>
<tr>
<td>October 1 (Mon), 2018</td>
</tr>
</tbody>
</table>

7. Other Information
Privacy policy
a) Tohoku University is committed to protecting applicants and admitted students. Private information from them collected in the process of their application and registration is only used for screening purposes, admission procedures, scholarship and welfare guidance as well as study guidance and so on.
b) Private information is dealt with confidentially and no personal information shall be divulged without their permission.
c) We understand that applicants who apply for the Master's Program of the Medical Sciences International Course for "Public Health Sciences for Human Security" have already agreed with the conditions mentioned above.

May , 2018

TOHOKU UNIVERSITY GRADUATE SCHOOL OF MEDICINE
Graduate Academic Affairs Section
2-1 Seiryō-machi, Aoba-ku, Sendai 980-8575 Japan
FAX Number. +81 (0) 22 717 8021
E-mail Address : HStohoku-jimu@med.tohoku.ac.jp

This application information can be viewed at the following website:
URL: http://www.med.tohoku.ac.jp/english/admissions/admissions/apply/