

## **I Doctoral Program of the Graduate School of Future University Hakodate: Outline of the Selection Process for International Students Applying to Enter In April 2019 or September 2019**

### **1 Recruitment of students**

#### **For the Graduate School of Systems Information Science, with a specialization in systems information science**

Entrance in April, 2019                      A few international students will be accepted  
Entrance in September, 2019              A few international students will be accepted

### **2 Application period and entrance examination dates**

Period of filing application for preliminary assessment of qualifications

December 5 (Wed.) - December 12 (Wed.), 2018

Application period

January 4 (Fri.) - January 11 (Fri.), 2019

Entrance examination dates

One day during February 1 (Fri.) – February 8 (Fri.), 2019

Announcement of qualified entrants

February 18 (Mon.), 2019

### **3 Site of entrance examination**

Future University Hakodate

116-2 Kamedanakano-cho, Hakodate, Hokkaido, Japan 041-8655

- Hakodate Bus Route 105 bound for Akagawa

Board the bus in front of Hakodate Station.

Get off at the stop in front of Future University Hakodate.    45 minutes

Board the 105 bus at Goryokaku.

Get off at the stop in front of Future University Hakodate.    25 minutes

- Hakodate Bus Route 55 bound for Akagawa

Board the bus at Goryokaku

Get off at the stop in front of Future University Hakodate.    25 minutes

## **II General selection process and entrance examination**

### **1. Required qualifications of applicants**

A person who can apply for special admission to the graduate school as an international student must satisfy all of the following conditions (1) - (3):

(1) The person must not have Japanese citizenship.

(2) The person must have a student visa for foreigners who study at universities in Japan, as specified in the Immigration-Control and Refugee-Recognition Act or must acquire this visa by the time of entrance to the university.

(3) The person must satisfy any of the following criteria:

① The person who has received a master's degree or professional school credentials; or will receive a master's degree or professional school credentials from Japanese university by March 31, 2019.

② The person who has received academic credentials from an overseas university equivalent to a master's degree or professional school degree, or will receive academic credentials from an overseas university equivalent a master's degree or professional school degree by March 31, 2019.

- ③ The person in Japan who has completed a syllabus of correspondence courses offered by a foreign university and has received academic credentials equivalent to a master's degree or professional school degree or will receive academic credentials equivalent to a master's degree or professional school degree by March 31, 2019.
- ④ The person in Japan who has completed a course of study recognized by the Minister of Education, Culture, Sports, Science and Technology in a program offered by a foreign graduate school whose education facilities are recognized as part of the foreign country's educational system. Such a person should have received graduate school academic credentials equivalent to a master's degree or advanced professional degree from this foreign graduate school, or this person should plan to receive academic credentials equivalent to a master's degree or professional school degree from this graduate school by March 31, 2019.
- ⑤ The person who has completed a course of the United Nations University and has received academic credentials equivalent to a master's degree or will receive academic credentials equivalent to a master's degree by March 31, 2019.
- ⑥ The person who has completed a curriculum at a foreign university, education facilities recognized by above required qualification stated in ④ or United Nations University, passed examinations prescribed in Article 16-2 of Standards for Establishment of Universities (Ordinance of the Ministry of Education No. 28 of 1974) or will pass examinations by March 31, 2019, and recognized to have academic ability equivalent to a master's degree by the graduate school of Future University Hakodate (hereinafter referred to as "the person equivalent to have master's degree).
- ⑦ Is designated by the Minister of Education, Culture, Sports, Science and Technology (1988, Ministry of Education, Notification No. 118)

(This refers to the following. First, it refers to 'the person who has received a bachelor's degree, then done research for two years or more at a university or at a research laboratory, and, through the his/her research results, is recognized by this university as having academic ability equivalent to a person holding a master's degree.' Second, it refers to 'the person who has completed 16 years of school education in a foreign country' or 'the person who has completed a 16 year study program as part of the school education of a foreign country by completing in Japan correspondence courses offered by a school from this foreign country.' This person should 'then have done research for two years or more at a university or at a research laboratory, and, through his/her research results, be recognized by this university as having academic ability equivalent to a person holding a master's degree.')

- ⑧ The person whom this graduate school recognizes, through examination of his/her individual qualifications, as having academic ability equivalent to someone with a master's degree or professional school credentials, and who will be at least 24 years old as of March 31, 2019.  
※⑧ applies to persons who do not have a master's degree.

Note 1 Among the above, a person who wants to apply as qualified according to the condition in (3)⑥or(3)⑦ or (3)⑧ must have his or her qualifications assessed in advance. For details, see II-3, 'Preliminary assessment of applicant qualifications.'

Note 2 For persons entering the graduate school in September 2019, please replace March 31, 2019 with September 19, 2019.

## 2. Consultation with faculty member before making a formal application

Before applying, please consult with the faculty member whom you would like to have direct your research after entering the graduate school and get his or her agreement with your plan of study. Please contact the professor at edu@fun.ac.jp

### 3. Preliminary assessment of applicant qualifications

Regarding the application qualification condition (3)⑥ or (3)⑦ or (3)⑧ above, persons in this category will have their qualifications assessed before they make a formal application. Persons in this category should attach the documents in (1) below to their application and make their application within the prescribed application period. At this point, it is not necessary to send payment for the fee for the entrance examination...

#### (1) Application documents

- ① Application for preliminary examination of qualifications
  - ② Curriculum vitae
  - ③ Research plan
  - ④ Transcript of grades from last school attended (only for required qualifications ⑦ and ⑧)
  - ⑤ A certificate of graduation or completion from the last school attended
  - ⑥ A statement and summary of research results (only for required qualifications ⑦ and ⑧)
  - ⑦ A document summarizing results achieved at work (only for required qualifications ⑦ and ⑧ and for persons applying who have full-time jobs)
  - ⑧ Certificate to confirm you have passed or will pass the examinations prescribed in Article 16-2 of Standards for Establishment of Universities (Ordinance of the Ministry of Education No. 28 of 1974) or will pass examinations (only for required qualification ⑥)
- ※ Document in any format is acceptable, but president's signature is required.

For points to keep in mind when filling out the various parts of the application, please see '4. Application documents.'

#### (2) How to submit your application

Please submit your application as specified in '2. How to submit your application' in 'III Points to keep in mind in regard to your application.'

#### (3) Announcement of results of application

An applicant will be informed in writing of the results of his or her application by January 4 (Fri.), 2019. Consequently, by the last day of the application period, persons who have received permission should submit the documents from '4 Application Documents' below that they have not yet submitted.

## 4. Application Documents

Application document	Documents you must submit		Points to keep in mind when filling in your application
	Applicants under criteria (3)① to ⑤	Applicants under criterion (3)⑥ To ⑧	
Application slip	○	○	Please fill in the required items in the prescribed form, and get confirmation from the professor whom you plan to have as an adviser. We will send your entrance examination slip and notification of whether you qualified for admission to your address on this form. Please fill in your guarantor in your home country and your guarantor in Japan. Attach a 4cm by 3cm, frontal ID photo taken within three months before your application. Attach the photo to the appropriate place on the application form. Do not wear a hat in the photo.
Curriculum vitae	○	Preliminary application document	Please fill in the required items in the prescribed form.
Research plan	○	Preliminary application document for ⑦ and ⑧	On two A4 sheets, state your purpose in graduate school and your research plan and objectives (in any format.) Write your name and the project you hope to focus on.
Grade transcript from last school attended	○	Preliminary application document for ⑦ and ⑧	Please submit this document in a sealed envelope. It should have been issued within three months before your application. When there are courses you will get transfer credits for, submit a list of these courses along with your grade transcript at the university you are transferring from.
Certificate of graduation (or planned graduation) from last school attended	○	Preliminary application document for ⑦ and ⑧	Please submit this document in a sealed envelope. It should have been issued within three months before your application.
Research results and summary	○	Preliminary application document for ⑦ and ⑧	The results of your research can be any of the following categories, ① to ④, and you can submit items from more than one category. ① Research paper (an article at an academic conference, a thesis for graduation from a technical school, etc.) ※ For an academic conference, attach documents that will give an outline of the academic association and confirm your attendance at the conference. ② Research report (report of results on a formal project) ③ Software or hardware that you have made and a document explaining it ④ Design results (either the work, the product itself, or a report on it is acceptable). If you submit all three, please submit them together in something such as a file or folder. Notes • For any results above, please submit a summary on two A4 pages, in any format. • When research was done by two or more people, clarify your role in the research with a document signed by your co-authors and co-developers.
Recommendation letter (Principal, president, or faculty dean of last school attended)	○	○	Any format is all right
Adviser's recommendation letter	○	○	Any format is all right
Document describing work results	○ Submit if available	Preliminary application document for ⑦ and ⑧	Fill in the required items in the prescribed form. Only for applicant with a full-time job
Document verifying your payment of entrance examination fee	○	○	-
Copy of passport	○	○	Please submit a passport copy in which a photo of your face is recognizable.
Documents certifying level of proficiency in Japanese	○ Submit if available	○ Submit if available	-
TOEFL or TOEIC score certification	○ Submit if available	○ Submit if available	Not necessary for applicants whose mother tongue is English
Application Slip for Preferred Interview Date	○	○	

**Note: As necessary, documents other than the above may be required.**

## 5. How entrants to the graduate school are selected

Assessment of documents submitted, interviews

(※ If necessary, instead of an interview, questions can be asked via email or by using Skype)

※ In the interview, you will give presentation on past work (research) results, research theme and research plan after admitted by the graduate school for about 15 minutes.

## 6. Dates of entrance examination

The entrance examination will be held on one day during February 1 (Fri.) – February 8 (Fri.), 2019.

Regarding the interview, we will inform applicants later of the exact schedule.

# III Points to keep in mind in applying

## 1. Entrance examination fee

30,000 yen

You should send 30,000 yen to the account below. Please submit a document certifying that you sent this payment. You must bear any service charges related to the money transfer.

Bank name: Hakodate Business Div., Michinoku Bank

Account number: (Ordinary account) 091-2607311

Account name: Yasuhiro Katagiri, Director General Future University Hakodate, Entrance examination fee

SWIFT Code: MCHIJPJT

Period for making payment for entrance examination: January 4(Fri.) –January 11(Fri.), 2019

(The transfer **must** arrive within this period)

Note: Once the test fee has been paid, it cannot be refunded for any reason.

## 2. How to apply

Put the application documents in the university's prescribed envelope and send the envelope by post or bring it to the university.

**The documents must arrive by the final day of the application period.**

Address to send the documents:

Education/Library Affairs Section

Education Affairs Department

University Office

Future University Hakodate

116-2 Kamedanakano-cho

Hakodate, Hokkaido, Japan 041-8655

Tel: 81-138-34-6419 (from overseas), 0138-34-6419 (within Japan)

If you bring your application to the university, please note that we only accept applications from 9 am to 5 pm on regular working days. The university office is closed on Saturdays, Sundays, and holidays, so we cannot accept applications brought in on these days.

## 3. Other

(1) If any part of the application is missing, we cannot accept the application.

(2) You cannot change the content of any documents after you have submitted them.

(3) **Once you have sent the application documents and entrance examination fee to the university, we cannot return either of them to you for any reason.**

(4) If an applicant lies on his or her application, the applicant's permission to study at the university will be revoked, even if the applicant has already entered the university.

(5) When an applicant has a disability that requires special treatment or facilities on the entrance test or during

the applicant's study at the university, the applicant should inform the university of this fact before applying.

#### **IV Points to keep in mind regarding the test**

- (1) For the interview, please go to the waiting room for the interview by the time designated for your interview and wait there until called for your interview.
- (2) Please turn off in advance any mobile phone or PHS (Personal Handyphone System) devices you have before you enter the test room.
- (3) There is no place to buy lunch at the university, so please prepare and bring your own lunch. (There are no stores near the university that sell lunches or food.)
- (4) The university will not find lodging for you, so please find lodging on your own.

#### **V Announcement of successful entrants**

1. Date of announcement of successful entrants February 18 (Mon.), 2019

2. How announcement of successful entrants will be made.

Successful applicants will be notified in writing by post.

#### **VI Procedures for entering the university**

##### **1. Period for completing procedures to enter the university**

February 18 (Mon.) to March 1 (Fri.), 2019

##### **2. How to complete procedures for entering the university**

Please follow the 'Guide to procedures for entering the university' that is included in the letter informing you that you qualified to enter the university's graduate school.

(1) Entrance fees

Please pay the entrance fee in accordance with the payment notice included in the letter informing you of your successful entrance. Please pay within the period for completion of entrance procedures. The current amounts for the entrance fee are the following. Please note that these amounts may change in 2019.

- ① 226,000 yen for persons from the Oshima and Hiyama districts of Hokkaido
- ② 310,000 yen for all other persons

(Note) Any applicant or any applicant with a equivalent to a parent registered continuously as a resident of any of the cities, towns, or villages below before or from April 1, 2018 will be considered a resident of Oshima or Hiyama District.

(The applicant should submit a copy of the certificate of residence for himself, herself, or the parent at the time of carrying out the university entrance procedures.)

Oshima District:

Cities- Hakodate, Hokuto

Towns- Nanae, Matsumae, Fukushima, Shiriuchi, Kikonai, Shikabe, Mori, Yakumo, and Oshamambe

Hiyama District

Towns- Esashi, Kaminokuni, Assabu, Otobe, Okushiri, Imakane, and Setana

(2) Fee for injury benefit insurance for student education and research, and fee for compensation insurance for student education and research. The current amounts are as follows, but they may change in 2019.

- ① Student education and research injury benefit insurance fee      2,600yen (for three years)
- ② Student education and research compensation insurance fee      1,020yen (for three years)

### **3. Points to keep in mind in completing entrance procedures**

- (1) Persons who do not complete the entrance procedures within the prescribed period will be refused entrance to the university
- (2) Please confirm that you submit all the required documents. It will be unacceptable if any are missing, and you will be unable to complete entrance procedures.
- (3) Any required documents or items that arrive after the end of the period for completing entrance procedures will not be accepted.
- (4) Once you have sent the entrance procedure documents and entrance examination fee to the university, we cannot return either of them to you for any reason.

## **VII Other**

### **1. Tuition**

The current amount of tuition is the following, but this amount may change in 2019.

- ① Amount (annual)      535,800 yen
- ② Method of payment

Payment for your annual tuition will be divided evenly between the two semesters, with 267,900 yen being required for each semester. Please pay your tuition for the first semester by the end of April and your tuition for the second semester by the end of October.

### **2. Scholarships, tuition exemptions, and boarding houses and apartments**

Regarding these, please contact the person in the university office's education affairs department who is in charge of student support and job hunting. (E-mail: [stu@fun.ac.jp](mailto:stu@fun.ac.jp))

## VIII Doctoral program faculty advisers and their research areas

Faculty Member		Research areas
Professor	Kiyohide Ito	Biological psychology, psychology of visual disabilities, human interface, cognitive science
Professor	Hiroshi Inamura	mobile computing, system software for smart devices, mobile/sensor network and their security.
Professor	Michael Vallance	Task design in 3D immersive virtual learning environments
Professor	Eiichi Osawa	Artificial intelligence, autonomous agents, large-scale multi-agent systems, collaborative robots, complex network
Professor	Michiko Oba	Software engineering, Intellectual behavior analysis, Documentation system, Education support system
Professor	Makoto Okamoto	Information design, interaction design, scenario-based design, human interface
Professor	Satoshi Kawaguchi	Statistical mechanics, nonlinear physics
Professor	Toshiji Kawagoe	Experimental economics, game theory, artificial markets
Professor	Toshio Kawashima	Information media, image information processing, wearable devices, real-world information processing, digital archives
Professor	Ken-ichi Kimura	Aesthetics
Professor	Shigeru Sakurazawa	Biophysics (movement of muscle protein, evolution and the origins of life, functional polymers, growth of protein crystals) man-machine interface
Professor	Naoyuki Sato	Brain science, computational neuroscience, bioinstrumentation
Professor	Hideki Sato	Recipe design tool (optimization of food ingredients and their quantities), prediction of nonlinear time series, optimization and analysis of high-dimensional nonlinear systems
Professor	Xiaohong Jiang	Wireless networks, optic networks, protection of networks, mission critical networks, defense of networks and detection of attacks on them
Professor	Yoh Shiraishi	database, sensor network, intelligent transport system, geographic information system
Professor	Keiji Suzuki	multi-agent systems, multi-robot systems, machine learning, optimization, game theory, tourism information
Professor	Sho'ji Suzuki	Mobile robot, Vision system with large field of view, Network base robot service
Professor	Kaoru Sumi	Media Informatics, Affective Computing, Interactive Digital Storytelling, Persuasive Technology, and Artificial Intelligence
Professor	Yasuyuki Sumi	Human interface, Communication, Artificial Intelligence, Lifelog
Professor	Takeshi Nagasaki	Computer vision, wearable systems
Professor	Takayuki Nakata	Music perception and cognition, Neuroscience of interaction, Neuroscience of music
Associate Professor	Mitsuhiko Hanada	Visual psychology, visual information processing
Professor	Yasushi Harada	Information design, communication design
Professor	Keiji Hirata	Music Informatics, Artificial Intelligence, Communication Science, Intelligent Transportation System
Professor	Yuichi Fujino	Information media, visual communications, image processing, medical information, remote medical care
Professor	Ian Frank	Artificial intelligence, game theory, explanation generation, entertainment systems, interaction
Professor	Hitoshi Matsubara	Artificial intelligence, game information science, tourism informatics, disaster information studies, entertainment computing, robotics
Professor	Sadayoshi Mikami	Robotics, Intelligent Control, Life-Support Engineering
Professor	Noyuri Mima	Learning environment design, educational engineering, human interface, scientific communication
Professor	Yoshiaki Mima	Interactive system, Real World Oriented System, Internet Application, Information Expression, Idea Generation Support



Faculty Member		Research areas
Professor	Kazushi Mukaiyama	Computer Art, Human computer interaction
Professor	Hidekatsu Yanagi	Information design, formative design, media art
Professor	Fumitaka Yura	Discrete Integrable System, Cellular Automata, Quantum Information Theory
Professor	Volodymyr Riabov	Deterministic chaos in nonlinear oscillatory systems, Signal processing with applications in astrophysics and geophysics.
Professor	Masaaki Wada	IoT, Fisheries Informatics, marine IT