

# Graduate School of Information Science, University of Hyogo

## 2024 PhD Admissions Guidelines

### I Admission capacity and required qualifications

1 **Admission capacity** 14 (Department of Data and Computational Science, Graduate School of Information Science)

#### 2 Target Applicants

We are looking for students who are motivated to acquire the necessary skills and knowledge, positively face challenges, and work proactively to contribute to the creation of new social value by making full use of the knowledge and skills of data science and computational science to address issues in a wide range of academic fields, including the natural and social sciences. We accept students who have the abilities required to conduct advanced research in the field of information science, and who have clear objectives and a strong awareness and desire to conduct specialized scientific research.

#### 3 Eligibility

Applicants must meet any of the following requirements.

1. Those who have a Master's degree or a professional degree (a professional degree prescribed in Article 5-2 of the Degree Regulations (1953, Education Ministry Ordinance No. 9) based on Article 104, Paragraph 1 of the School Education Law. Hereinafter referred to as "professional degree") (including those who are expected to obtain a professional degree by March 31, 2024).
2. Those who have been awarded a Master's degree or a degree equivalent to a professional degree in a country outside of Japan (including those who expect to receive such a degree by March 31, 2024).
3. Those who have received a Master's degree or a degree equivalent to a professional degree (including those who expect to receive such a degree by March 31, 2024) by completing correspondence courses offered by foreign schools in Japan.
4. Those who have completed a course of study at an educational institution in Japan that has been designated by the MEXT as having a foreign graduate school curriculum, and have been awarded a Master's degree or a degree equivalent to a professional degree (including those who expect to receive such a degree by March 31, 2024).
5. Those who have completed a course of study at the United Nations University and have been awarded a degree equivalent to a Master's degree (including those who expect to receive such a degree by March 31, 2024).
6. Those who have taken an educational course at a school in a country outside of Japan, an educational institution designated under item 4, or the United Nations University, and have passed an examination and screening equivalent to those prescribed in Article 16-2 of the Standards for the Establishment of Graduate Schools and have been recognized as having academic ability equivalent or superior to a person who holds a Master's degree (including those who expect to receive such a degree by March 31, 2024).

7. Those designated by the Minister of Education, Culture, Sports, Science, and Technology (MEXT notification No. 118 of 1989) (including those who are expected to fall under the designation by March 31, 2024).
8. Those who are recognized by the Graduate School of Information Science as having academic ability equivalent or superior to a Master's degree or a professional degree, and who have reached 24 years of age at the time of admission, based on an individual screening of applicant qualifications.

Note: If you have any questions about the eligibility requirements, or if you wish to apply under condition 8, please contact the General Affairs and Academic Affairs Division, Kobe Information Science Campus of the University of Hyogo, by Monday, July 7, 2023.

## **II Application period and procedures**

### **1 Application period**

Applications are accepted from August 7, 2023, to August 18, 2023.

- If the application is submitted in person, please submit from 10:00 to 16:00 (except 12:00 to 13:00).
- Applications are not accepted on Saturdays, Sundays, and national holidays.
- Applications submitted by post must be postmarked by Friday August 18, 2023.

### **2 How to apply**

- (1) Applicants should send the application documents in an envelope with "Application for the PhD Program of the Graduate School of Information Sciences" written in red on the envelope, either in person or by registered mail and by express delivery service.
- (2) Applicants must contact a prospective supervisor in advance to discuss the details of their PhD research and education plan.

### **3 Address for submissions**

Kobe Campus for Information Science, University of Hyogo,  
General and Academic Affairs Management Division (Fifth Floor),  
Computational Science Center Building,  
7-1-28 Minatojima-Minamimachi, Chuo-ku, Kobe city,  
Hyogo 650-0047, Japan  
TEL +81-78-303-1905

#### 4 Application documents

Document	Details
<b>Application form</b>	Please use the designated form provided by the Graduate School of Information Science and attach a photograph (without hat, upper body front view, 4 (H) x 3 (W) cm) <u>taken within 3 months</u> before application in the space provided.
<b>Examination slip</b>	Please use the designated form provided by the Graduate School of Information Science and attach the same photo as on the application form.
<b>Resume</b>	Please use the designated form provided by the Graduate School of Information Science and enter your educational background starting from high school graduation. Applicants who have received a Master's degree or a degree equivalent to a professional degree from a country outside of Japan (including those who expect to receive such a degree by March 31, 2024), or those who have received a Master's degree or a degree equivalent to a professional degree from correspondence courses offered by a foreign school in Japan (including those who expect to receive such a degree by March 31, 2024), must enter their educational background starting from elementary school. Enter both the year of admission and completion.
<b>Master's course completion (or expected) certificate</b>	Please submit a proof of having completed (or expected completion) a Master's course in a Japanese graduate school or equivalent. If the document is written in a language other than English, please attach a Japanese translation by the applicant. However, we may request a certified official translation. For prospective graduates, only <u>transcripts issued on or after April 1, 2023</u> are accepted.
<b>Master's Degree conferment certificate</b>	To be submitted only by those who have been awarded a Master's degree by the National Institution for Academic Degrees and Quality Enhancement of Higher Education.
<b>Academic transcript of <u>undergraduate and master's degree</u> OR academic transcript from National Institution for Academic Degrees and Quality Enhancement of Higher Education</b>	Please submit a transcript issued by the head of the institution where you completed your degrees. Applicants who have transferred during the study must also submit academic transcripts from their previous university or other institution. Applicants who have been awarded a Bachelor's or Master's degree by the National Institution for Academic Degrees and Quality Enhancement of Higher Education should submit an academic transcript of their degree. If the document is written in a language other than English, please attach a Japanese translation by the applicant. However, we may request a certified official translation. For prospective graduates, only <u>transcripts issued on or after April 1, 2023</u> are accepted.
<b>Research Plan</b>	Please use the form provided and type within 3,000 words.

<b>Summary of Master' s thesis</b>	Please submit a summary of your Master' s thesis (or equivalent research outline) within 2,000 words.
<b>Entrance Examination Fee (Non refundable)</b>	<p>30,000 JPY</p> <p>Please send money order in the amount of 30,000JPY issued by Japan Post Bank on and after April, 2023. Keep the money order as issued and do not write anything on it.</p> <p>Applicants who are already enrolled in a Master' s course of the Graduate School of University of Hyogo and who wish to pursue PhD program are exempt from the entrance examination fee (including those who will continue to enroll in a PhD course of the Graduate Scholl of University of Hyogo after completing a Master' s course in the middle of the fiscal year 2023).</p>
<b>Returning envelop (for examination voucher)</b>	Please write the applicant' s name, post code and address on a size 3 envelop and affix the <u>514 Yen stamp.</u>
<b>Certificate of Residence and a copy of passport (for foreign nationals only)</b>	<p>Please submit a copy of your certificate of residence showing your residence status and period of stay in Japan. Photocopies are not accepted. Also submit a copy of the identification page of your passport.</p> <p>Applicants without a resident card such as short-term visitors or unregistered residents, need to submit a copy of all passport pages.</p>

Note 1: If the applicant' s name on the submitted documents and the application form/ examination voucher differ, please submit proof of name change.

Note 2: Please use Japanese or English when filling the application form, examination slip, resume, and research plan. These forms are available from the following link:  
<https://www.u-hyogo.ac.jp/gsis/index.html>

## 5 Faculty contact details

Campus	Title	Name	Phone Ext ※1	Email address
Kobe Campus for Commerce (SHOKA Campus)  (Kobe city, Nishi ward, Gakuen Nishimachi 8-2-1)	Professor	Jun KINIWA ※2	5218	kiniwa@gsis.u-hyogo.ac.jp
	Professor	Akihito NISHIDE	5256	nishide@gsis.u-hyogo.ac.jp
	Professor	Tetsuya FUJIE	5228	fujie@gsis.u-hyogo.ac.jp
	Professor	Shuichi MIYAZAKI	5257	shuichi@gsis.u-hyogo.ac.jp
	Professor	Nobuaki OHNO	5324	ohno@gsis.u-hyogo.ac.jp
	Professor	Hiroaki KAWASHIMA	5213	kawashima@gsis.u-hyogo.ac.jp
	Professor	Munehiko SASAJIMA	5215	sasajima@gsis.u-hyogo.ac.jp
	Associate Prof.	Hajime KAWAMUKAI	5323	kawamukai@ai.u-hyogo.ac.jp
	Associate Prof.	Hiroaki OHSHIMA	5349	ohshima@gsis.u-hyogo.ac.jp
	Associate Prof.	Suguru TAMAKI	5207	tamak@gsis.u-hyogo.ac.jp
	Associate Prof.	Takayuki YUMOTO	5262	yumoto@gsis.u-hyogo.ac.jp
	Associate Prof.	Takehiro YAMAMOTO	5212	t.yamamoto@gsis.u-hyogo.ac.jp
	Associate Prof.	Yuya HIGASHIKAWA	5259	higashikawa@gsis.u-hyogo.ac.jp
	Associate Prof.	Junichi TERUYAMA	5268	junichi.teruyama@gsis.u-hyogo.ac.jp
Kobe Campus for Information Science (JOHO Campus)  (Kobe city, Chuo ward, Minatojima Minamimachi 7-1-28)	Professor	Toshiaki TANAKA	1929	toshi@gsis.u-hyogo.ac.jp
	Professor	Yutaka HATA	1974	hata@gsis.u-hyogo.ac.jp
	Professor	Yoshi FUJIWARA	1976	yoshi@gsis.u-hyogo.ac.jp
	Professor	Yuko MIZUNO-MATSUMOTO	1961	yuko@gsis.u-hyogo.ac.jp
	Professor	Tomomichi NAKAMURA	1985	tomo@gsis.u-hyogo.ac.jp
	Professor	Hitoshi WASHIZU	1975	washizu@gsis.u-hyogo.ac.jp
	Professor	Tadamasa TAKEMURA	1935	takemura@gsis.u-hyogo.ac.jp
	Professor	Tomoe ENTANI	1932	entani@gsis.u-hyogo.ac.jp
	Professor	Shin KIMURA	1987	skimura@gsis.u-hyogo.ac.jp
	Professor	Ryo HARAGUCHI	1930	haraguch@gsis.u-hyogo.ac.jp
	Professor	Hiroyasu INOUE	1997	inoue@gsis.u-hyogo.ac.jp
	Professor	Essam RASHED	1924	rashed@gsis.u-hyogo.ac.jp
	Professor	Shugo YASUDA	1990	yasuda@gsis.u-hyogo.ac.jp
	Professor	Takanori ISOBE	1972	takanori.isobe@gsis.u-hyogo.ac.jp
	Professor	Yasuhiro GO	1931	go@gsis.u-hyogo.ac.jp
	Associate Prof.	Ryusuke NUMATA	1989	numata@gsis.u-hyogo.ac.jp
	Associate Prof.	Shin-ichiro SHIMA	1995	s_shima@gsis.u-hyogo.ac.jp
	Associate Prof.	Jun KURIHARA	1926	kurihara@gsis.u-hyogo.ac.jp
Associate Prof.	Tomohiro MORIKAWA	1965	morikawa@gsis.u-hyogo.ac.jp	
Associate Prof.	Hayato SHIBA	1986	shiba@gsis.u-hyogo.ac.jp	

(Note 1) ※1 Full phone number for SHOKA campus is (078-794-\*\*\*\*) and for JOHO campus is (078-303-\*\*\*\*). Replace (\*\*\*\*) with the phone ext. above.

※2 Faculty member who is scheduled to retire in March 2025.

(Note 2) Campus location differs depending on the research laboratory.

※ Please refer to the following URL for research field of each faculty member.

<https://u-hyogo.info/en/research/faculty/>

※ Researchers from RIKEN Center for Computational Science (R-CCS) may also provide research guidance as cross-appointed faculty members of the Graduate School.

<2023 R-CCS faculty>

Associate Prof. TAN Cheng (R-CCS Researcher)

### III Selection method, examination schedule, examination subjects, etc.

#### 1 Selection method

Selection of applicants will be based on document review (application documents), interview, and oral examination.

#### 2 Examination schedule

Date	Exam subjects	Time
Saturday, September 2, 2023	Interview & Oral examination	From 10:00 ※Interview/ exam time will be notified separately to each student.
Sunday, September 3, 2023	Alternative day (Note 1)	

Note 1 : If the number of applicants is large, some applicants may have to take the exam on the alternative day.

#### 3 Examination subjects

##### (1) Document review

A research plan of applicants will be reviewed so that they are within the scope of information science. This process also verifies the status of applicants' undergraduate and Master's or pre-doctoral data science and computational science related courses.

##### (2) Interview and oral examination

The qualifications and abilities of applicants will be comprehensively evaluated so that they are related to information science and are based on the research plan and other documents.

In the oral examination, applicants will be asked to give a presentation on prospective research within a certain time frame. After the presentation, applicants will be asked questions on their expertise and experience in information science.

In addition, for non-Japanese applicants, their Japanese and English proficiency will be assessed so that it does not interfere with their daily research guidance and coursework.

#### 4 Examination venue

University of Hyogo, Kobe Campus for Information Science (see map below).  
For more information, please check the bulletin board on campus on the day of the examination.

## 5 Precautions

- (1) Please be sure to bring your examination slip with you and leave it on your desk during the examination. If you forget the examination slip, please report to the admission office and request to be reissued.
- (2) Please be sure to be on time for photo identification of examinees and other procedural instructions.
- (3) If you are late for the scheduled interview time, you will not be allowed to take the examination.
- (4) The use of communication devices (such as smart phones and tablets with phone connections) is strictly prohibited. If you have such devices, please turn them off prior to examination.
- (5) Please secure your accommodation by yourself if overnight stay is required.
- (6) Parking for bicycles, motorcycles and cars are not available. Please use public transportation.
- (7) Smoking is strictly prohibited inside the examination venue.

## IV Result announcement

### 1 Announcement schedule

Results will be announced on September 6, 2023 (10:00)

### 2 Announcement method

The ID number of successful applicants will be posted in front of the University of Hyogo, Kobe Campus for Information Science (Fifth floor of the Computational Science Center Building). Results will also be posted on the Graduate School website for a certain period. Applicants will also be notified by mail at a later date. Inquiries by phone are not accepted.

## V Admission procedure, admission fees, etc.

### 1 Procedure period

From Thursday February 1, 2024 to Friday February 9, 2024

- In-person deliveries are accepted from 10:00 to 16:00 (except 12:00 to 13:00)
- Submissions on Saturdays, Sundays and public holidays are not accepted.
- Submissions by post must be postmarked by Friday February 9, 2024.

### 2 Procedure

Successful applicants will receive the necessary documents for the admission procedure in late January, 2024. Please complete the enrollment procedures within the deadline with all necessary documents.

### 3 Admission fee and tuition.

(As of April 1, 2023)

Category		At the time of admission	May	October	Total
Admission fees	A (Note 1)	282,000 JPY	—	—	282,000 JPY
	B (Note 2)	423,000 JPY	—	—	423,000 JPY
Tuition		—	267,900 JPY	267,900 JPY	535,800 JPY

Note 1 : Category “A” applies if the applicant or their spouse (or relatives of the first degree of kinship) has a resident address in Hyogo prefecture for at least one year before the admission date. Category “A” also applies for candidates who are currently enrolled in the graduate school of the University of Hyogo and international students. Category “B” applies for other applicants.

Note 2 : Admission fees and tuition are subject to change. If tuition fees are revised during enrollment, the new fees will be applied from the time of the revision (referred as slide system).

Note 3 : Applicants who continue to enroll from the Master’ s course at the University of Hyogo are exempt from admission fees (including those who have completed the Master’ s course at the graduate school of the University of Hyogo and continue to enroll in the PhD course in the middle of the fiscal year 2022).

## VI Others

### 1 Notes

- (1) Applicants with disabilities may request special support during examination and studies. Please contact us (details are below) in such cases.
- (2) Once the application procedure has been completed, no changes can be made to the documents and the entrance examination fee is non-refundable.
- (3) In case of traffic disruptions or weather warnings, the examination date is subject to change according to the following circumstances:
  - When the Port Liner line is out of service as of 8:00 a.m.
  - If any of the followings apply between Osaka and Himeji as of 7:00 a.m.
    - a. When all JR lines, Hankyu railway, and Hanshin railway are out of service
    - b. When both JR lines and Sanyo railway are out of service
    - c. When all JR lines, Kobe rapid transit railway, and Kobe Municipal subway are out of service
  - If a weather warning is issued by the Kobe local metrological observatory (such as “Storm warning” , “Snowstorm warning” , “Heavy snowfall warning” , “Heavy rain special warning” , “Storm special warning” , “Snow storm special warning” , or “ Heavy snowfall special warning” ) and is in effect at 7:00 a.m. for Kobe City.

If any of the above applies, or if there is a traffic disruption other than the above, please check the website (detailed below) after 8:00 a.m. on the day of the examination for further instructions.

### 2 Policy of handling personal information



- (1) Personal information submitted through the application will only be used for the purpose of entrance examination and will not be used for any other purpose. Information of successful applicants will be used for admission procedures.
- (2) Personal information used for admission selection will be used to compile and analyze the results of the entrance examination and for the research and study of the admission selection methods. However, they will not be used for any other purpose.

### 3 Contact information

General and Academic Affairs Division, Management Department, Kobe Campus for Information Science, University of Hyogo

Fifth Floor, Computational Science Center Building, Minatojima-Minamimachi 7-1-28, Kobe 650-0047, Hyogo, Japan

TEL : (078) 303-1905 FAX : (078) 303-2700

Email: [p-office@gsis.u-hyogo.ac.jp](mailto:p-office@gsis.u-hyogo.ac.jp)

<https://www.u-hyogo.ac.jp/gsis/index.html>

### Map of examination venue

**University of Hyogo,  
Kobe Campus for Information Science**  
Computational Science Center bldg.,  
Minatojima-minamimachi 7-1-28,  
Chuo ward, Kobe city, Hyogo prefecture  
Post code: 650-0047  
TEL (078) 303-1905



Access:

Use Port Liner line from Sannomiya Station

Take trains bound for Kobe Airport (about 14 minutes)

Get off at Computational Science Center Station (Keisan Kagaku Center Station) and about 3 minutes walk.