

# APPLICATION GUIDELINES

(Starting in April, 2023)

Graduate School of  
Science, Technology and Innovation  
(Doctoral Course)

KOBE UNIVERSITY

**\*Important**

We may change the content of the application guidelines due to the spread of COVID-19.

Please check the changes on our website. (<http://www.stin.kobe-u.ac.jp>)

## **About the Graduate School of Science, Technology and Innovation, Kobe University**

The Graduate School of Science, Technology and Innovation is an interdisciplinary graduate school founded on collaboration between the areas of natural and social sciences in Kobe University.

Our curriculum is based on organic collaboration between the natural and social sciences. The four natural science areas (Bioproduction, Advanced Membrane Technology, Advanced Information and Communication Technology, and Advanced Medical Science) are designated as flagship research areas for Kobe University. In the area of Business Administration, Kobe University has been recognized as a center of excellence for achieving outstanding results in education and research.

The Graduate School aims to foster science-oriented individuals with research capabilities in a broad range of advanced fields and the entrepreneurial skills necessary to manage every stage in the process of developing and marketing academic research results. We intend to produce human resources who can create innovation as “independent entrepreneurs” launching a new venture, or “intra-firm entrepreneurs” in existing companies and organizations, researchers and educators with an entrepreneurial spirit who can carry out high-level specialist research in science and technology and those who can practice research or education related to scientific and technological innovations from an interdisciplinary perspective.

In order to achieve these goals, the Graduate School offers the following courses: “Advanced Science and Technology Research” to improve expertise and capabilities in research and development necessary for scientific and technological breakthroughs, “Research on Science, Technology and Innovation” to cultivate skills in designing breakthrough themes, and “Science and Technology Entrepreneurship” to foster research and development capabilities and practical skills for strategic entrepreneurship. Combined with dissertation supervision, this curriculum will equip global entrepreneurs in the fields of science and technology.

A Doctor of Philosophy in Science, Technology and Innovation will be granted upon completion of the Doctoral Course of the Graduate School of Science, Technology and Innovation.

## **Admission Policy of the Graduate School of Science, Technology and Innovation, Kobe University**

In order to achieve scientific and technological innovations in diverse fields, the Doctoral Course of the Graduate School of Science, Technology and Innovation aims to produce individuals with the ability to build an innovation strategy.

●Applicants are sought to with the following qualities and abilities:

1. Students entering from workplaces with diverse backgrounds should intend to acquire entrepreneurship skills, and the research capabilities equivalent to those awarded a master’s degree in any of the following fields: engineering, informatics, agriculture, science, medicine, or pharmaceutical science  
[Required competences: Knowledge / Skills, Critical thinking / Judgement / Expression, Independence / Cooperation, Interest / Motivation]

2. Students who have obtained a master’s degree in the science fields should have a strong desire to achieve scientific and technological innovations through their research capabilities in any of the following fields: engineering, informatics, agriculture, science, medicine, or pharmaceutical science  
[Required competences: Knowledge / Skills, Critical thinking / Judgement / Expression, Independence / Cooperation, Interest / Motivation]

●Basic Policy for the Selection of Students:

There will be an entrance examination to select candidates based on the Diploma Policy and Curriculum Policy of the Doctoral Program of the Graduate School of Science, Technology and Innovation. We will assess “Knowledge / Skills” through document screening and conduct oral examinations to assess the “Critical thinking / Judgement / Expression,” “Independence / Cooperation,” and “Interest / Motivation” of prospective students.

## **Diploma Policy of the Graduate School of Science, Technology and Innovation, Kobe University**

In the current world, leaders who can promote innovation are required by various industries. The Graduate School of Science, Technology and Innovation aims to foster science-oriented individuals with research capabilities in a broad range of advanced fields and the entrepreneurial skills necessary to manage every stage in the process of developing and marketing academic research results, including an understanding of intellectual property and product design engineering. We intend to produce human resources who can create innovation as “independent entrepreneurs” launching a new venture, or “intra-firm entrepreneurs” in existing companies and organizations, and who can practice research or education related to scientific and technological innovations. In order to achieve these objectives and ensure that we provide a world-class standard of education, the Graduate School of Science, Technology and Innovation awards degrees in line with the policies below.

The students are expected to acquire the following abilities: Enhanced Humanity, Creativity, International Awareness and Specialized.

### **Degree: Doctor (Philosophy in Science, Technology and Innovation)**

Based on the Kobe University Diploma Policy, the Graduate School of Science, Technology and Innovation awards degrees in line with the following policies.

- Students shall study at the Graduate School of Science, Technology and Innovation for at least 3 years, and must earn the credits required for course completion. Upon receiving the necessary research guidance, they must also pass a review of their doctoral degree thesis and a final exam. Regarding the period of attendance, students who have achieved outstanding research results may be eligible to complete the Doctoral Program in less than 3 years.
- Prior to graduating, students of this Graduate School are expected to acquire the following skills in addition to the abilities set out in the Kobe University Diploma Policy.

#### **Enhanced Humanity**

- High ethical standards and the ability to solve problems through cooperation with people from a range of backgrounds.
- The ability to take appropriate action based on a fundamental understanding of the impact of science and technology on society.

#### **Creativity**

- The ability to achieve research results that are expected to lead to a scientific and technological breakthrough based on advanced expertise within their research field. Students should also be able to design concepts (innovation ideas) for new products or services with economic and social value based on these research results. On the other hand, students should also obtain the ability to come up with the focal topics for scientific and technological breakthroughs that will lead to innovative ideas.
- The ability to produce concrete innovation from their ideas by formulating practical and high-quality innovation strategies, including those for the launch of a new venture or business.

#### **International Awareness**

- The ability to engage in research with a global outlook, and to express the results of this research in a clear and logical fashion.

#### **Specialization**

- The ability to make creative breakthroughs in scientific and technological fields through multidimensional research that combines knowledge of the following areas: Bioproduction, Advanced Membrane Technology, Advanced Information and Communication Technology, and Advanced Medical Science.

## **Expected Careers after Completion of the Doctoral Course**

The expected careers after completion of the doctoral course are as follows:

- Independent entrepreneur launching a new venture based on their field of expertise in advanced science and technology
- Intra-firm entrepreneur aiming to create innovation in companies or organizations such as biotechnology-based companies, chemical enterprises, environment-related companies, IT firms, or pharmaceutical companies etc.
- Entrepreneurship-focused researcher or educator in institutions (including universities) conducting specialized research on advanced science and technology or research or education about scientific and technological innovation from an interdisciplinary perspective, fostered by fusing scientific studies and social studies

(Contact Regarding Admissions for the Doctoral Course of the Graduate School of Science, Technology and Innovation)

Student Affairs Section, Graduate School of Science, Technology and Innovation, Kobe University  
1-1, Rokkodai-cho, Nada-ku, Kobe 657-8501  
Tel: +81-78-803-5474  
E-mail: [stin-kyomu@office.kobe-u.ac.jp](mailto:stin-kyomu@office.kobe-u.ac.jp)

Website of Graduate School of Science, Technology and Innovation:

<http://www.stin.kobe-u.ac.jp/en/index.html>

Website of Kobe University:<http://www.kobe-u.ac.jp/en>

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### **Attached Forms (The Set of Required Application Forms)**

- Application Form (Form No.1)
- Curriculum Vitae (Form No. 2)
- ID for the examination (Form No.3)
- Certificate of payment Card (Form No. 4)
- About the payment of entrance exam fee for application (Form No. 5)
- Self-addressed Forms (Form No. 6)
- Envelope (For sending the ID for the examination) (Form No. 7)
- Summary of master's thesis and Research Progress Report (Form No. 8)
- Research proposal (Form No. 9)
- Application Form for Examination of Qualification (Form No.10)
- History of research/job (Form No. 11)
- Research/Job experience (Form No. 12)

**2023 April**  
**Graduate School of Science, Technology and Innovation, Kobe University,**  
**Doctoral Course Application Guidelines**

**1. Number of Students to Be Accepted**

Department	No. of Students
Department of Science, Technology and Innovation	6

(Note) The number of students to be accepted includes students who go on to a doctoral course from our master's courses, foreign students and students entering from the workforce.

**2. Qualification for Applicants**

Applicants must currently meet one of the following requirements or be eligible to meet one of these requirements by March 31, 2023.

- (1) Those who have obtained a master's degree or a professional degree.
- (2) Those who have obtained a degree equivalent to a master's degree or a professional degree in a foreign country.
- (3) Those living in Japan who have completed a correspondence course in a foreign-affiliated educational institution and obtained a degree equivalent to a master's degree.
- (4) Those who have completed their education in a foreign-affiliated university within a school educational system of a foreign country in Japan and designated by the Minister of Education, Culture, Sports, Science and Technology, limited to those who have obtained a degree equivalent to a master's degree or a professional degree.
- (5) Those who have been conferred a degree equivalent to a master's degree from the United Nations University which was promulgated by the General Assembly of the United Nations on December 11, 1972 and in accordance with the Agreement between Japan and the United Nations concerning the Act on Special Measures Incident to Enforcement of the Agreement between the United Nations and Japan regarding the Headquarters of the United Nations University (1976, Resolution 72, Article 1, Item 2)
- (6) Those who have completed the curricula at a foreign university, an educational institution which is designated under Item 4, or the United Nations University and are recognized as having academic abilities equivalent or superior to those given a master's degree by passing the examination and screening which are equivalent to the ones stipulated in Article 16, paragraph (2) of the Standards for Establishment of Graduate Schools (under Minister of Education, Culture, Sports, Science and Technology Ordinance No. 28, 1974).
- (7) Those who are approved by the Minister of Education, Culture, Sports, Science and Technology (under Minister of Education, Culture, Sports, Science and Technology Public Notice No. 118, 1989).
- (8) Those who are 24 years of age or older and are recognized by Eligibility Screening as having academic abilities equivalent or superior to those given a master's degree or a professional degree.

(Note) Those who intend to apply under the requirement (7) or (8) above should refer to "Eligibility Screening" because they are subject to screening prior to their applications.

### 3. Period of Application and How to Submit the Application

#### From December 19 (Mon) 2022 to January 11 (Wed) 2023

\*Excluding December 24 (Sat) 2022 to January 4 (Wed) 2023 and January 7 (Sat) 2023 to January 9 (Mon) 2023.

When you submit in person, the office hours are Monday through Friday, from 9:00 to 12:00 & 13:00-16:00.

If you submit by mail, your application document must arrive no later than January 12 (Thu) 2023. It must be postmarked by January 11 (Wed) 2023.

\*On the envelope, write “Application Documents for the Doctoral Course” in red and mail it by “express registered mail.”

### 4. Application Documents

(A) Application form: Form designated by the Graduate School of Science, Technology and Innovation (Form No. 1)

Select your preferred supervisor from “Education and Research Areas, Supervisors and Research Subjects” (page 12.) and indicate the name in the admission application form.

Please be sure to fill in your e-mail address as an emergency\* contact. The Student Affairs Section (stin-kyomu@office.kobe-u.ac.jp) may contact you.

\* In the event of suspension of public transport services, issuance of weather warnings or evacuation advisories/orders.

(B) Curriculum Vitae: Form designated by Graduate School of Science, Technology and Innovation (Form No. 2)

(C) ID for the examination (Form No. 3)

(D) Photograph: Affix two copies of photograph to the designated places on the application form and the ID for the examination.

The photograph should be 4 cm long and 3 cm wide and of upper body, taken within three months prior to submitting the application; in the picture, you should be looking straight ahead with your head uncovered.

(E) Certificate of payment Card (Form No. 4)

(F) Entrance exam fee: ¥30,000

Bring the attached form of JP bank (Form No. 5) and deposit the fee from the bank; make sure to affix the proof of receipt of postal transfer for entrance exam fee to the mounting card and send it together with the application documents. (When paying from overseas, please refer to the “Guide for overseas remittance of entrance examination fees” on page 11.)

Japanese government-sponsored international students who will continue to be so after enrollment do not have to pay the fee on condition that they submit the “Certificate of Japanese Government-sponsored International Student” from the university where you are currently enrolled.

(G) Self-addressed Forms: Write your postal number, address, and name in the form designated by the Graduate School of Science, Technology and Innovation (Form No.6).

(H) Envelope:

(All Applicants except those who live abroad)

Write your postal code, home address and name on the envelope designated by the Graduate School of Science, Technology and Innovation and attach 384 yen stamps (Form No. 7).

- (I) Academic transcript (1): Academic performance record created by the head of faculty or the principal of the university you graduated from
- (J) Academic transcript (2): Academic performance record created by the head of department or the principal of the graduate school you graduated from
- (K) Certificate of (Prospective) Graduation of the master's degree program of graduate school (master course). If the Graduation Certificate indicated above does not show the degree you obtained, please submit a certificate of degree as well.
- (L) Master's thesis:
  - (a) Applicants who have completed a master's degree program (master course)
    - (i) A copy of your master's thesis written either in Japanese or in English. Applicants who graduated from professional graduate schools and did not write a master's thesis should submit a summary of their main research for their master's course using 10 pages or more of A4 size paper typed (approx. 1,200 words per paper).
    - (ii) Summary of master's thesis (A4): A set of copies of the outline written in both Japanese (approx. 2,000 words) and English (approx. 1,200 words), with a cover sheet designated by Graduate School of Science, Technology and Innovation (Form No. 8). For foreign applicants, an English copy alone is sufficient. Applicants who graduated from professional graduate schools and need to submit the research summary should also submit a digest of the research summary in the same way as above.
  - (b) Applicants who are expected to complete a master's degree program (master course)
    - Research Progress Report (A4): A set of copies of the report written in both Japanese (approx. 2,000 words) and English (approx. 1,200 words), with a cover sheet designated by Graduate School of Science, Technology and Innovation (Form No. 8). For foreign applicants, an English copy alone is sufficient.
- \* Any reference material may be submitted along with either (a) or (b).
- (M) Research proposal:
  - Form designated by Graduate School of Science, Technology and Innovation (Form No. 9).
  - Use the enclosed form or download the template from the website below.
  - <http://www.stin.kobe-u.ac.jp/jyukensei/2023d.html>
- (N) Resident Certificate: Foreign applicants should submit a Copy of Resident Certificate which is issued by the local municipality (valid for 30 days from issue date), or a document that can take the place of the Resident Certificate. (Only for those residing in Japan)

[Notes]

- (1) The submitted documents should be original. (Except for the copy of Resident Certificate.) We may verify the genuineness of the documents.
- (2) Incomplete applications will not be accepted. Before submission, please make sure there are neither omissions in entry nor errors in writing.
- (3) The admission of applicants who fall under the following categories may be revoked.
  - (i) Applicants who made a false declaration
  - (ii) Applicants who did not meet the qualification requirements
- (4) Documents created in a foreign language other than English should be accompanied by a



Japanese translation with the translation accreditation issued by a public institution, such as the diplomatic facilities of Japanese or foreign government.

- (5) Applicants should select a preferred supervisor from the “Education and Research Areas, Supervisors and Research Subjects” and indicate the name in the admission application form. Without the preferred supervisor’s name, the application documents will not be accepted. Also, **applicants should be in close contact with the expected supervisor and create a research proposal.**
- (6) For those who submit a certificate of prospective graduation, please submit a certificate of graduation when you enroll. If the certificate does not show the degree you obtain, please submit a certificate of degree as well.

## 5. Submission Address:

Kobe University Graduate School of Science, Technology and Innovation,  
Student Affairs Section  
1-1, Rokkodai-cho, Nada-ku, Kobe 657-8501  
Tel +81-78-803-5474 (direct)

## 6. Screening Methods

Admission will be determined based on the results of academic examination together with the submitted documents.

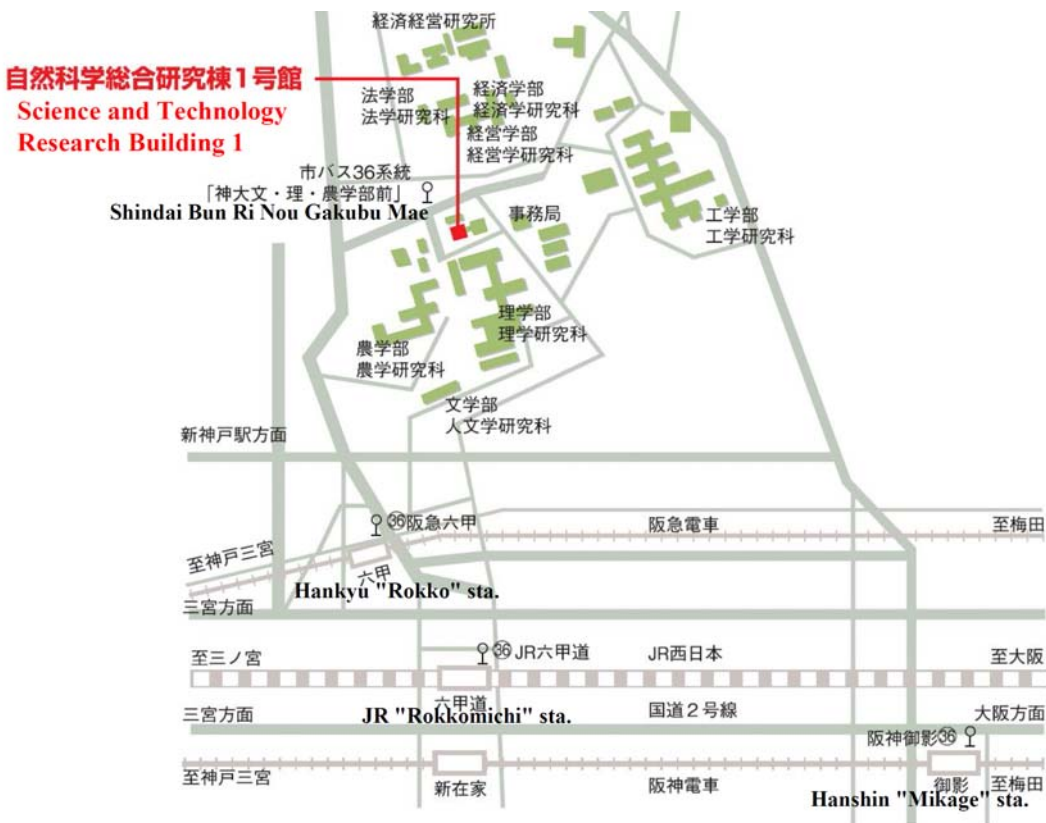
The academic examination will take place through interview.

- (1) Content of a master’s thesis or research progress report  
Examined as to whether or not the applicant has basic academic skills required for the course.
- (2) English capability (for applicants who graduated from a foreign university, both English and Japanese language skills are examined)  
Examined as to whether or not the applicant has language skills required for the course.
- (3) Content of research proposal  
Examined as to whether or not the research plan meets the doctoral degree to be awarded.

## 7. Date and Place for the Interviews

Date	Place	Remark
<b>January 21 (Sat), 2023</b>	Graduate School of Science, Technology and Innovation, Kobe University (Science and Technology Research Building 1)	Applicants will be notified of time and place for the interview at a later date.

(Access to Graduate School of Science, Technology and Innovation, Kobe University)  
Hanshin “Mikage” station, JR “Rokkomichi” station, or Hankyu “Rokko” station.  
Kobe Municipal Bus No. 36 (bound for “Tsurukabuto Danchi”)  
Get off at “Shindai Bun Ri Nou Gakubu Mae.”



## 8. Special Consideration (Online Interviews)

Due to the impact etc. of COVID-19, the following applicants who are unable to come to the university on the day can apply to take their interview online:

- (1) Applicants who have been requested to refrain from any non-essential and non-urgent outings by their local government.
- (2) Applicants whose place of employment etc. has placed restrictions on business trips.
- (3) Applicants who have entered or re-entered Japan in order to take the entrance examination but are required to obey restrictions such as self-isolation.
- (4) Other applicants who have been approved by the university.

If you wish to be interviewed online, please contact the Student Affairs Section by January 11 (Wed) , 2023 (in principle):

Student Affairs Section  
 Graduate School of Science, Technology and Innovation  
 Kobe University  
 E-mail: [stin-kyomu@office.kobe-u.ac.jp](mailto:stin-kyomu@office.kobe-u.ac.jp)

## 9. Announcement of Successful Applicants

### January 27 (Fri), 2023 10:00 (scheduled)

The results will be announced via the website of the Graduate School of Science, Technology and Innovation, Kobe University.

<http://www.stin.kobe-u.ac.jp/jyukensei/exam.html>

\*Successful applicants will receive the acceptance letter. Inquiries will not be accepted via telephone.

## 10. Admission Procedure

### (1) Admission procedure period and admission documents

The admission procedure period is scheduled to be around mid-March 2023, The details will be mailed to each successful applicant with necessary documents for the procedure.

### (2) Fees

Division		In Japanese yen	Remark
Admission fee		282,000	Admission fee should be paid during the admission procedure period.
Tuition fee	For semester	267,900	Refer to the “General Information for Successful Applicants” which will be sent in late February 2023.
	Annual total	535,800	[In case the tuition is revised, the new fee is applied from the time of the revision.]

(Note) The amounts quoted above apply to 2022.

## 11. Notes

- (1) No changes are allowed in the application documents once they have been received. The entrance exam fee will not be returned to the applicant except in cases where the applicant did not apply or the application was not accepted.
- (2) The admission fee already paid will not be returned for any reason.
- (3) Be sure to bring your ID for the examination on the day of interview.
- (4) No accommodation for the examination will be arranged by the university.
- (5) If you are physically handicapped and need particular consideration for the examination, please contact us at least 2 weeks before the deadline.

## 12. Handling of Personal Information

- (1) Kobe University complies with legislation such as the “Act on the Protection of Personal Information Held by Independent Administrative Legal Entity” in using applicants’ personal information, and handles it based on the “Guideline on the Control of Personal Information Held by Kobe University.”
- (2) Personal information including the individual results of screening shall be used for screening (application procedures, conducting screening), announcement of successful applicants,

enrollment procedures, future screening methods, and surveys/research aimed at improving university education. The results of these surveys/research will be published without information that could identify specific individuals.

- (3) The personal information of enrolled students provided for the application will be used for supporting the students after enrollment (health management, tuition fee exemption or scholarship application), educational purposes (registration, academic instruction), tuition-fee related matters, and other corresponding work.
- (4) Part of these operations may be outsourced to an agency (hereafter referred to as “Agency”). In cases where operations are outsourced, all or part of the personal information provided will be provided to such an Agency under a nondisclosure obligation within a certain limit necessary for the Agency to execute the operations.

### 13. Control and Prevention of Infectious Diseases

- (1) Submission of a certificate demonstrating inoculation and an antibody test against measles and rubella:

Kobe University has implemented the Measles and Rubella Registration Policy, and all newly enrolled Kobe University students must submit one of the following three certificates (①, ②, or ③) to prevent a possible outbreak of measles and rubella on campus.

- ① A vaccination certificate to prove that you were inoculated against measles and rubella (twice each after one year of age). ;Recommendation
- ② A vaccination certificate to prove that you were inoculated with measles and rubella vaccines each within the last five years (since April 2018).
- ③ An antibody certificate verifying that you have sufficient antibody titer in your blood (refer to the chart below) to prevent the development of measles and rubella, based on the results of an antibody test performed within the last five years (since April 2018).

- \* For ① and ②, it can be a combined vaccine of measles and rubella vaccines (e.g., MR vaccine).
- \* For ① and ②, the certificate must be issued by an accredited medical institution, and state the type of vaccine and the date of inoculation.
- \* For ③, the certificate must specify the measuring method and the measured values of antibody titer in your blood (refer to the chart below), and it must satisfy the judging standard listed in the chart. A blood test report sheet itself can be accepted for submission.  
If the antibody titer in your blood is insufficient, you must receive the necessary vaccination, and submit either ① or ②.
- \* You may submit a combination of ①, ②, and ③ (e.g., ① for measles, and ③ for rubella).
- \* If the antibody titer level is below requirements, yet you cannot be inoculated with vaccines for some reason (e.g. illness or body composition), please submit an official document (for example, a certificate issued by the doctor) explaining why.

#### <Submission Period and Place of Submission>

- All successful undergraduate and graduate applicants enrolling in April (except the Graduate School of Medicine, the Graduate School of Health Sciences, and the Graduate School of Maritime Sciences): Submit the certificate when you register at the Medical Center for Student Health

(Rokkodai) during your routine medical check-up scheduled for April.

## (2) Measuring Methods and Judging Standards for Protective Antibodies in Blood

	Measuring Method	Judging Standard	Remarks
Measles	IgG-EIA method	$8.0 \cong \text{positive}$	Positive result by one of these three methods:
	PA method	$256x \cong \text{positive}$	
	NT method	$4.0x \cong \text{positive}$	
Rubella	HI method	$32x \cong \text{positive}$	Positive result by one of these two methods (HI method is recommended)
	IgG-EIA method	$8.0 \cong \text{positive}$	

Make sure the above methods are followed when the antibody titer is measured in your blood.

The protective antibody value differs according to the measuring method used. Please note that **the judging standards are higher than the usual standards used at medical institutions.**

Before you visit a medical institution, please make an appointment and confirm that the antibody test and/or the vaccine you need are available at that institution.

When you visit a doctor at a medical institution, make sure you present this guidebook so your doctor can issue the necessary certificate(s). (Please make sure you confirm with your doctor the measuring methods and judging standards when measuring the antibody titer in your blood.)

\* Points to Consider when Submitting a Certificate:

- ① Please submit the original certificate and one set of copies (A4 size).
- ② If the certificate is written in a language other than Japanese or English, please attach a document that shows either a Japanese or English translation.

For further information, please refer to:

Medical Center for Student Health, Kobe University Tel: +81-78-803-5245

Student Support Division, Student Affairs Department, Kobe University Tel: +81-78-803-5219

## 14. Others

Kobe University offers financial support for selected applicants such as scholarships and exemption from admission fees and tuition fees. Please refer to Kobe University's website for details.

## Eligibility Screening

Those who intend to apply under the requirements “2. Qualification for Applicants (7) or (8)” will be screened by the following documents submitted. Note that not only research achievements but also achievements in business, patent acquisition, and conference presentation will be actively evaluated in the screening.

### (1) Period and place for submission

Your application documents must be submitted in person or mailed (simple registered mail marked “Application Form for Examination of Qualification for the Doctoral Course of Graduate School of Science, Technology and Innovation” in red on the envelope) by December 16 (Fri), 2022, to the Student Affairs Section, Graduate School of Science, Technology and Innovation, Kobe University. (except Saturday • Sunday • holidays)

Office hours (for those who hand in): Monday through Friday: 9:00-12:00 & 13:00-16:00

Address: Kobe University Graduate School of Science, Technology and Innovation,  
Student Affairs Section  
1-1, Rokkodai-cho, Nada-ku, Kobe 657-8501  
Tel: +81-78-803-5474 (direct)

### (2) Documents necessary for screening

- ① Application Form for Examination of Qualification: the application form designated by Graduate School of Science, Technology and Innovation (Form No. 10)
- ② Curriculum Vitae: the form designated by the Graduate School of Science, Technology and Innovation (Form No. 2).
- ③ Graduation(Prospective) certificate created by the head of faculty or the principal of the university you graduated from.
- ④ History of research/job: created by immediate manager or representative of education/research institute or company where the research/job was conducted. If such a certification is unavailable, an application written by the applicant can substitute it. Use the form designated by the Graduate School of Science, Technology and Innovation (Form No. 11).
- ⑤ Research/Job experience (A4): the outline of a thesis that is the equivalent of a master’s thesis. If you have no such thesis, please write the reason why you think you are qualified for the application.

A set of copies written in both Japanese (approx. 2,000 words) and English (approx. 1,200 words), with a cover sheet designated by the Graduate School of Science, Technology and Innovation (Form No. 12). For foreign applicants, an English copy alone is sufficient.

- ⑥ Materials of research/job achievements: Index of thesis and separate print (photocopy acceptable), which are the basis of the research/job achievements, along with references of other achievements, if any. In case of collaborative research, attach the material clearly indicating the portion the applicant was in charge.

If you wrote the reason why you think you are qualified for application in document ⑤, submit materials that provide evidence supporting this reason.

⑦ A self-addressed envelope (23.5cm long×12cm wide with a 374 yen stamp)

\* The above-mentioned ①, ②, ④ and ⑤ are available on the website below.  
<http://www.stin.kobe-u.ac.jp/jyukensei/2023d.html>

Note that those who have completed a 6-year course of medical college, dental college, or veterinary medicine are required to submit ①, ②, ③, ⑦ the abovementioned, and Research proposal below

Research proposal:

Form designated by Graduate School of Science, Technology and Innovation (Form No.9).

Use the enclosed form or download the template from the website below.

<http://www.stin.kobe-u.ac.jp/jyukensei/2023d.html>

(3) Announcement of the screening results

Successful applicants will be notified of the result **by** December 23 (Fri), 2022.

## Guide for Overseas Remittance of Entrance Examination Fees for the 2023 Doctoral Programs at the Graduate School of Science, Technology and Innovation, Kobe University

Please access the Application Fee Payment System of Kobe University from the URL shown below or the QR code, and pay with a credit card or Alipay.

The credit card holder does not have to be the applicant, but please be sure to enter the applicant's information in the Customer information field.

Please print the email of payment completion and attach it to the application form.

<https://tinyurl.com/yxjuqxef>



### 【Items】

Application fee ¥30,000

Remittance fee ¥660

【Handling credit cards, etc. at the payment system of Kobe University】



If you cannot use the Application Fee System, please contact the following address.

E-mail : [stin-kyomu@office.kobe-u.ac.jp](mailto:stin-kyomu@office.kobe-u.ac.jp)



## Education and Research Areas, Supervisors and Research Subjects

Division	Area	Supervisor	Research Subjects
Biotechnology and Environmental Technology	Bioproduction	KONDO Akihiko	Metabolic engineering, Synthetic biology, Bioprocess engineering, Biochemical engineering, Applied microbiology, Biological function science
		HASUNUMA Tomohisa	Metabolic engineering, Metabolite analysis, Omics technology, Molecular biology, Synthetic biology, Bioprocess engineering, Fermentation physiology, Photosynthesis
		NISHIDA Keiji	Synthetic biology, Genome editing, Synthetic evolution, Green bio, Cell engineering, Evolutionary biology
		ISHII Jun	Synthetic biology, Metabolic engineering, Genome engineering, Evolutionary engineering, Microbial fermentation, Biochemicals, Biologics, Biosensors
		UCHIDA Kazuhisa	Biopharmaceuticals, Biologics, Bioprocessing, Regulatory Science, Bio Venture
		TAGUCHI Seiichi	Synthetic biology, Life system engineering, Evolutionary molecular engineering, Applied microbiology, Bioplastics, Environmental molecular science, Biologically and environmentally friendly compounds
		YOSHIDA Ken-ichi	Applied microbiology, Genome biology, Metabolic engineering, Microbial physiology, Gene regulation, Bioactive substance
		ISHIKAWA Shu	Applied microbiology, Molecular biology, Genomics
		TSUJINO Yoshio	Cosmetic science, Aging care, Biochemical engineering, Bioelectrochemistry, Marketing
	Advanced Membrane Technology	YOSHIOKA Tomohisa	Membrane separation engineering, Mass transfer, Computational science, Chemical engineering, Molecular simulation, Nanomaterials engineering
		NAKAGAWA Keizo	Nanomaterial engineering, Membrane separation engineering, Catalytic reaction engineering, Effective energy utilization technology, Chemical engineering
		KITAGAWA Toru	Membrane separation engineering, Polymer structural analysis, Nanomaterials engineering
	Advanced Information and Communication Technology	Advanced Information and Communication Technology	NAGATA Makoto
MIKI Takuji			Analog circuit design, RF circuits, Cryogenic electronics, Quantum computers
KAWAGUCHI Hiroshi			Electron devices, Signal processing, Deep learning, Sensing systems, Bionics, Healthcare interfaces
IZUMI Shintaro			Biomedical engineering, Machine learning, Low-power circuit design, Sensor networks
Advanced Medical Science	Advanced Medical Science	SHIRAKAWA Toshiro	Gene therapy, Vaccine, Biologics, Infectious disease, Urology
		SHIMA Fumi	Rational drug design, Cancer therapy, Structure-based drug design, Molecular biology, Signal transduction, Structural biology
Entrepreneurship, Strategy, Finance, and IP rights	Entrepreneurship, Strategy, Finance, and IP rights	OZAKI Hiroyuki	Entrepreneurship, Open Innovation, Management Strategy
		FUKE Nobuhiro	Entrepreneurial finance, Strategic Entrepreneurship

### **Special Education System for Students Entering from Workplace**

Recently, increasing numbers of engineers and researchers in the workforce wish to continue education and training as well as obtaining doctoral degrees in graduate school. However, education programs of graduate schools usually require them to spend time away from their workplace to focus on the graduate program for three years, which is likely to limit their learning opportunities. On the other hand, the "Graduate School Foundation Standard, Article 14" stipulates that "When special educational measures are recognized as necessary in the courses of the Graduate School, appropriate educational measures can be taken such as providing classes or research guidance during night or certain periods." considering the students from the workplace. Based on these backgrounds, the Doctoral Course of Graduate School of Science, Technology and Innovation has implemented special educational measures as stipulated by the statement.

The following items summarize the program.

1. Part of class by a faculty member upon an agreement of the member, and part of research guidance by academic supervisor upon an agreement of the supervisor, can be provided during night or a certain period.
2. If the academic supervisor recognizes that the thesis is making good progress, and that superior facilities or equipment for the research are provided in the relevant company where outstanding performance can be expected, the student can conduct research within the company.