

October 2025 Admission

Graduate School of Informatics
Kyoto University

Guidelines for Admission to the Doctoral Program

(Including International Program; the Special Selection Procedures for Working Professionals and for International Students)

Entrance Examination in February 2025

Translation Disclaimer

Kyoto University strives to achieve the highest possible accuracy in translating its documents from their official language of Japanese. However, due to the nature of translated documents, accuracy is not guaranteed. The translated documents are produced for reference only, and are not legally binding. The original documents in the Japanese language shall always take precedence over their translated versions.

The information in the guidelines is subject to change without notice.

Refer to the latest information available at <https://www.i.kyoto-u.ac.jp/>

Admissions Policy of the Graduate School of Informatics

The field of study referred to as Informatics at the Graduate School of Informatics at Kyoto University consists of areas related to information in natural, artificial, social and life-related systems. It can be characterized by three pillars: the interface between humans/society and information, mathematical modeling, and information systems. The aim of the Graduate School of Informatics is not confined to the creation of new fields of study related to the three pillars. More broadly, we explore an understanding of the essence of 'information' and the immense impact of information technology on society, and we pursue advancement of information-related science and technology in the appropriate directions. According to the goal of Kyoto University, we will contribute, from the perspective of Informatics, to establishing harmonious coexistence within the global community.

We welcome a wide range of talented students who will understand the concepts of Informatics and will study science and technologies of Informatics with passion, and will aspire to develop this new academic area for the future. As long as they are proficient in their field of study or research, we hope to accept students from diverse backgrounds related to Informatics-unfettered by the conventional framework of sciences versus humanities-from Japan and from other countries. We also welcome working professionals who have a passion for studying Informatics.

Specifically, we welcome students having outstanding skills in diverse backgrounds, strong desire to study, strong interest in particular fields that comprise Informatics, and having excellent communication skills. We also hope to attract post-graduate fellows who have cutting-edge knowledge of Informatics and conduct research on science and technologies of Informatics, to advance to our Doctoral program.

The International Programs are established in the Intelligence Science and Technology Course, Social Informatics Course, and Communications and Computer Engineering Course of the Graduate School of Informatics (hereinafter referred to as “the School”), which provide both lectures and research courses in English sufficient for completing the Doctoral Program.

All times stated in the guidelines are in Japan Standard Time.

The Japanese version of the guidelines shall be the authoritative version, with the English translation provided only as a reference.

I. Number of Students to be Accepted for Admission: a small number of students for all of the Courses

- Intelligence Science and Technology Course, Social Informatics Course, and Communications and Computer Engineering Course include the International Program respectively.
- The above numbers for all of the courses include the Special Selection Procedures for Working Professionals and International Students.

II. Eligibility

Applicants must fulfill one of the following conditions or be expected to satisfy the condition by the end of September 2025.

1. Applicants who have a master's degree, a master's-level professional degree, or a juris doctor (JD) degree awarded by a Japanese graduate school.
2. Applicants who have completed a program equivalent to the Master's Program or Professional Degree Program of the Graduate Schools of Kyoto University in foreign countries (see note 1 below).
3. Applicants who, while residing in Japan, have completed a foreign school education through distance learning equivalent to the Master's Program or Professional Degree Program of the Graduate Schools of Kyoto University (see note 1 below).
4. Applicants who have completed a foreign graduate school curriculum (including foreign universities equivalent to the Professional and Vocational University) that is equivalent to the Master's Program or Professional Degree Program of the Graduate Schools of Kyoto University at an educational facility in Japan that has been accredited as having an approved curriculum under the educational system of the respective foreign country and is so designated by the Minister of Education, Culture, Sports, Science and Technology of Japan (hereinafter referred to as "the Minister of MEXT") (see note 1 below).
5. Applicants who have completed a curriculum at the United Nations University (under the provisions of Paragraph 2 of Article 1 of the Act on Special Measures Incidental to Enforcement of the Agreement between the United Nations and Japan regarding the Headquarters of the United Nations University, Act No. 72 of 1976, the same shall apply in category 6 below), and awarded a degree equivalent to a master's degree (see note 1 below).
6. Applicants who have completed a curriculum and have passed an examination or an assessment equivalent to those prescribed in Paragraph 2 of Article 16 of the Standards for Establishing Graduate Schools (Ordinance No. 28 of the Ministry of Education, Science and Culture, 1974) at an educational institution in another country, an educational facility designated in category 4 above, or the United Nations University; and have been recognized by Kyoto University as having an academic ability on par with or higher than

that of a person with a master's degree (see note 2 below).

7. Applicants designated by the Minister of MEXT (see notes 3 and 4 below).
8. Applicants who are recognized by the School as having a scholastic ability on par with or higher than that of a person with a master's degree as a result of an individual screening of their Application Eligibility, and who are at least 24 years old (see note 4 below).

Notes:

- 1) After announcement, successful applicants will be confirmed their eligibility prior to admission procedures. Applicants found to have falsified their submitted documents will be deemed ineligible and will have their acceptance revoked, even after enrollment procedure has been completed.
- 2) Applicants falling into category 6 must contact the Student Affairs Division of the School prior to submitting their application materials by Monday, December 2, 2024, and undergo a screening for eligibility in advance. The School will not accept any application from any said applicant unless the applicant has undergone this screening in advance.
- 3) This refers to applicants who have graduated from a university or who have completed 16 years of school education in a foreign country and subsequently spent at least two years conducting research in a university, research institute, research organization, company, or other such facility; and who are recognized through their publications (academic papers, books, research reports), patents, and similar achievements, as having a scholastic ability on par with or higher than that of a person who has completed the Master's Program of the Graduate Schools of Kyoto University.
- 4) Applicants falling into category 7 or 8 above must undergo a screening for application eligibility in advance (refer to V. "Screening for Application Eligibility"). The School will not accept the application materials stated in section VI. "Application Form and Supporting Materials" otherwise.

III. Special Selection Procedure for Working Professionals

The Special Selection Procedure for Working Professionals is intended for applicants who satisfy all the following conditions at the time of application:

- satisfying the application eligibility requirements specified in section II. "Eligibility",
- being employed by a public or private organization,
- will maintain their employment status even after enrolled to the School, and
- having been recommended by their superior.

IV. Special Selection Procedure for International Students

The Special Selection Procedure is intended for international students who meet the application eligibility requirements specified in section II. "Eligibility" and who submit the appended Letter of Recommendation. The letter must be written in either Japanese or English.

V. Screening for Application Eligibility

(Applicants falling into eligibility category 7 or 8 only. For applicants falling into eligibility category 6 must contact the Student Affairs Division of the School directly in advance)

Prior to application for the entrance examinations, applicants should submit the documents below in person to the Student Affairs Division of the School (1st floor, Research Bldg. No. 8) no later than 5:00 p.m. on Wednesday, December 18, 2024, or send the documents **by registered express mail or another reliable**

carrier, with "Application for Eligibility Screening: October 2025 Admission to the Doctoral Program" written in red on the envelope.

1. Documents required for Application Eligibility Screening (use the appended documents for the items with asterisks *)

All documents must be in Japanese or English, or accompanied by Japanese or English translations for the other languages.

*	1. Application Form for Eligibility Screening	(For applicants falling into application eligibility category 7 or 8.)
	2. Certificate of Graduation	(For applicants falling into application eligibility category 7 or 8.) Issued by the educational institution last attended and indicate the dates of enrollment and graduation (or prospective graduation).
	3. Transcript	(For applicants falling into application eligibility category 7 or 8.) The transcript must be officially issued by the educational institution last attended.
	4. Statement of Research Progress	(For applicants falling into application eligibility category 7 or 8.) Describe your research and courses taken thus far that are directly related to your expected field of study upon enrollment. There is no prescribed format, but it should be ten A4-sized pages or less.
*	5. Certificate of Research Work	(For applicants falling into application eligibility category 7.) The certificate must be issued in a sealed envelope by the institution or other organization which applicant belongs to. A certificate which is not in an envelope sealed by the institution or other organization will not be accepted.
	6. Documents for Reference (licenses, etc.)	(For applicants falling into application eligibility category 7.) Copies of reference documents, such as licenses related to the applicant's research field (on A4-sized sheets; with brief explanations).

2. Screening procedure and schedule

- 1) The School examines the above documents and conducts oral examination. The oral examination may be waived depending on the results of the screening of the above documents. Applicants who have undergone an eligibility screening by the School previously and were certified as eligible, only need to submit the appended Application form (*1) indicated above. The oral examination will be waived for such applicants.
- 2) The School will administer oral examination at Kyoto University on Tuesday, December 24, 2024.
- 3) The School will send the results of the screening by post to applicants on Friday, December 27, 2024.

VI. Application Form and Supporting Materials

All documents must be in Japanese or English, or accompanied by Japanese or English translations for the other languages. Those who falsify their status when filing applications may have their acceptance revoked even after enrollment procedure has been completed.

For Applicants Residing Outside Japan Only

For application, download these guidelines and use the appended documents for the items with asterisks *.

*	1. Application Form for Admission/Photograph Voucher/Examination Voucher	Complete accurately, using the designated form. Include a recent photograph (taken within three months of application, without retouching and image processing) measuring 4cm by 3cm (length by width) for the Photograph and Examination Forms. The photograph should show the full head of the applicant looking straight into the camera and be affixed within the appropriate area on the vouchers.
	2. Transcript	The transcript must be original and officially issued by the educational institution last attended. This is not necessary for applicants falling into category 7 or 8 of section II. "Eligibility".
	3. Statement of Research Progress	Describe your research and courses taken thus far that are directly related to your expected field of study upon enrollment. There is no prescribed format, but it should be ten A4-sized pages or less. Additional supplemental materials are allowed beyond the ten pages. This statement can be substituted by a master's thesis or its draft, in either English or Japanese, if available. This statement is not necessary for applicants who fall into category 7 or 8 of section II. "Eligibility" and have already submitted this statement for eligibility screening.
	4. Research Plan	Submit a research plan for the Doctoral Program on the basis of the research progress so far on two A4-sized pages (free format); clearly indicate the preferred Application Group that the applicant chose and his/her name at the top.
	5. Photocopy of Residence card or Passport <u>Foreign nationals only</u>	Foreign students who are living in Japan should provide a copy of the front and back of their Residence Card showing their status of residence, duration of residence, and address. Foreign nationals who live outside Japan should provide a copy of the photo ID page of their passport. These copies should be printed on A4-size paper.
	6. Evidence of Payment of Application Fee	Application fee: 30,000 yen Payment procedure: Access the Examination Settlement Service below and follow the instructions for payment. https://www3.univ-jp.com/kyoto-u/en/inf/ Print out a certificate of payment from the completed application page on an A4-size paper and enclose the certificate with the other supporting materials for application. Payment period: Tuesday, December 10, 2024 – Thursday, January 9, 2025 (no later than 5:00 p.m.) Payment must be made during the above period. <u>For Applicants Residing Outside Japan</u> Make a payment by credit card (VISA, MasterCard, JCB, AMERICAN EXPRESS, or Diners Club INTERNATIONAL). It is acceptable to use a credit card which carries a name different from that of the applicant (e.g., applicant's parents).

		<p>If it is difficult to pay using a credit card due to circumstances related to where the applicant is located, contact the School before Friday, December 13, 2024.</p> <p><u>For Applicants Residing in Japan</u></p> <p>Make a payment at a designated convenience store, at a financial institution's ATM (Pay-easy), or online with one of the above credit cards or through designated internet banking. It is acceptable to use a credit card or a bank account which carries a name different from that of the applicant (e.g., applicant's parents).</p> <p>Exemption and notes:</p> <p>1) Japanese Government (MEXT*) Scholarship Students: Even prospective international students of a Japanese Government (MEXT*1) Scholarship are required to pay the entrance examination fee. After the admission as Japanese Government Scholarship recipient to Kyoto University, the application fee will be refunded upon completing the required procedure. (Details are given at the time of your enrollment to Kyoto University)</p> <p>*1 Ministry of Education, Culture, Sports, Science and Technology of Japan</p> <p>2) Student of the Graduate school of Kyoto University completing their Master's program is not required to pay the application fee.</p> <p>3) In areas designated by the President of Kyoto University where the Disaster Relief Law is in effect, applicants whose primary financial supporter has been affected by a disaster, an exemption may be made to the payment of Application Fees if a Risai-shomeisho (罹災証明書: Disaster Victim Certificate) has been issued.</p> <p>For further details, please contact the Student Affairs Division of the School by Friday, December 13, 2024.</p>
	7. Address label for Delivery of enrollment materials <u>For applicants residing in Japan only</u>	Write the applicant's full name, address, and postal code on the appended form for the delivery of the enrollment materials for the successful applicants in early September 2025. (Promptly notify the School if the address is changed.)
	8. Envelope for Delivery of Examination Voucher <u>For applicants residing in Japan only</u>	Affix a 760-yen stamp (for registered express mail), and write the applicant's full name, address, and postal code on the appended envelope for the delivery of the examination voucher in late January 2025. (Promptly notify the School if the address is changed.)
	9. Envelope for Delivery of Outcome of Application <u>For applicants residing in Japan only</u>	Write the applicant's full name, address, postal code and email on the appended envelope for the delivery of the outcome of application in mid-February 2025. (Promptly notify the School if the address is changed.)
*	10. Address Label A <u>For applicants who are applying from overseas</u>	Write the applicant's full name, address, postal code in Japan and email address on the appended form for the delivery of the examination voucher only if the applicant is scheduled to stay in Japan in late January, 2025. (Promptly notify the School if the address is changed.)
*	11. Address Label B <u>For applicants who</u>	Write the applicant's full name, address, postal code in Japan and email address on the appended form for the delivery of the outcome of

	<u>are applying from overseas</u>	application only if the applicant is scheduled to stay in Japan in mid-February 2025. (Promptly notify the School if the address is changed.)
*	12. Address Label C <u>For applicants who are applying from overseas</u>	Write the applicant's full name, address, postal code in Japan and email address on the appended form for the delivery of the enrollment materials for the successful applicants only if the applicants are scheduled to stay in Japan in early September 2025. (Promptly notify the School if the address is changed.)
	13. Evidence of English Proficiency	For applicants to the Intelligence Science and Technology Course and the Social Informatics Course: Submit a copy of one of the following official test score records. - TOEFL Test Taker Score Report - TOEIC Official Score Certificate - IELTS Test Report Form (TRF) For applicants to the Communications and Computer Engineering Course: Submit a copy of one of the following official test score records. - TOEFL Test Taker Score Report (Examinee Score Report) - TOEIC Official Score Certificate For details, refer to section VII. "English Test Scores (TOEFL, TOEIC, and IELTS)".
*	14. Registration for the Examination Subjects	For applicants to the Applied Mathematics and Physics Course only.

Notes:

- 1) International students applying through the Special Selection Procedure for International Students must submit the appended "Letter of Recommendation".
- 2) At the time of enrollment, we ask accepted applicants to submit the original certificate of completion or graduation. Accepted applicants who are currently enrolled in another university or another Graduate School of Kyoto University must submit a certificate of withdrawal (or a certificate of completion) from their Graduate School at the time of enrollment into the School. Those who falsify their status when filing applications may have their acceptance revoked even after enrollment procedure has been completed.
- 3) For successful international students, at the time of enrollment procedure, they must submit a photocopy of the "Residence Certificate" which indicates their visa status as college student and the period of stay, or photocopy of the residence card.
- 4) For the Intelligence Science and Technology Course, Social Informatics Course, and Communications and Computer Engineering Course, submission of a score record for TOEFL, TOEIC, and IELTS will replace the written examination of English proficiency.
Note that only the Intelligence Science and Technology Course and the Social Informatics Course will accept an IELTS Test Report Form. For details, refer to section VII. "English Test Scores (TOEFL, TOEIC, and IELTS)".
- 5) Applicants found to have falsified their TOEFL, TOEIC, and IELTS score record will be deemed ineligible and will have their acceptance revoked, even after enrollment procedure has been completed.
- 6) If applicants do not submit a score record for one of the above tests, the School will record their English examination score as zero point.

In addition to the documents noted above, applicants who are applying through the Special Selection Procedure for Working Professionals must submit the following documents.

(use the appended documents for the item with an asterisk *)

*	Letter of Recommendation for Working Professionals	Prepared by the applicant’s superior or another person in a supervisory position relative to the applicant
	Research Achievement Record	Description of research achievements in the applicant’s professional record in relation to his/her preferred research field (on A4-sized sheets; no prescribed format)

VII. English Test Scores (TOEFL, TOEIC, and IELTS)

1. The applicant is responsible for taking all the necessary steps and paying any related costs for taking the TOEFL, TOEIC, and IELTS Academic tests.
2. Submit a copy of one of the following official score records:
 - TOEFL iBT (Test Taker Score Report)
 - TOEIC Listening & Reading Test (Official Score Certificate)
 - IELTS Academic (Test Report Form)
3. The School accepts only the score records of TOEFL, TOEIC, and IELTS tests taken within two years prior to the School’s application deadline. Note that we accept the TOEFL iBT[®] Home Edition, (including the TOEFL iBT[®] Special Home Edition) but no score records of institutional testing programs (e.g., TOEFL Essential Test, TOEFL ITP, and College TOEIC) are accepted.
4. Applicants who have taken TOEFL, TOEIC, and IELTS tests multiple times must submit the single result of their choice for application.
5. Refer to the “X. Application Groups and Supplementary Information on Examination Subjects” for details of the varied English scores (TOEFL/TOEIC/IELTS) by each course.
6. Applicants who cannot submit their score record by the application deadline may still apply but must submit a letter to that effect together with their application materials to the School, and submit the score record at the examination room prior to the start of the first examination on Monday, February 10, 2025. Failure to fulfill this condition will result in their English test scores being recorded as zero point.

VIII. Application Procedures and Notices

1. Applicants must bring all required application materials in person or send them by post to the address shown below. If sending by post, write **in red** “Application Materials: October 2025 Admission to the Doctoral Program enclosed” on the envelope, and send **by registered express mail or use another reliable carrier**. The School may contact the applicants if their application materials are not in order.
2. Applications will be considered to be completed with dispatch of examination vouchers by the School.
3. In principle, once the materials have been accepted, no subsequent revision to the application details will be allowed, and they will not be returned to applicants; the School will not refund application fees after the acceptance.
4. For applicants who have graduated from and completed a master’s program of a foreign university, or who have received a master’s degree in a foreign country, their eligibility for enrollment may be checked, if necessary, after the announcement of examination results is issued. If the School deems that they do not satisfy the eligibility requirements stipulated by Kyoto University, their documents for enrollment will not be accepted even after their results have been announced as successful.
5. It is not permitted to apply to register for more than one course of the School and/or for the Supplementary Admission Round for April 2025 Admission to the Doctoral Program, at the same time as applying for this registration.

Submission of Application Materials

Submission in person

Date: Thursday, January 9, 2025
2:00 p. m. - 5:00 p.m.

Submit to: Administration Office (1st floor, Research Bldg. No. 8)
Graduate School of Informatics, Kyoto University
Yoshida-Honmachi, Sakyo-ku, Kyoto 606-8501 JAPAN
(See the campus map)

Submission by post

Period: From Tuesday, December 10, 2024 to Thursday, January 9, 2025 (No later than 5:00 p.m.)

Submit to: Student Affairs Division
Graduate School of Informatics, Kyoto University
Yoshida-Honmachi, Sakyo-ku, Kyoto 606-8501 JAPAN
TEL: +81-(0)75-753-4894, or 5500

- Applicants with disabilities needing accommodations for the examination should request such accommodations in advance. Because advanced preparation is required, send a request letter to the above address stating the following information and attach a copy of a disability certificate or medical certificate, or bring the required information to the school office in person by Friday, December 20, 2024.

Required information:

- Applicant's name, date of birth, address, phone number, and e-mail address
- Desired Course name and degree (Master's/Doctoral)
- Type and level of disabilities
- Accommodations requested

IX. Screening Procedure and Examination Schedule

- The School will administer the examinations at Kyoto University by the following schedule.

Examination Schedule

Examinations of each Course for the acceptance of the Special Selection Procedure for Working Professionals and International Students are included in the following schedule.

Applicants must carefully read the detailed information on the subjects and scope of examinations, how to answer the questions, etc. specified in X. "Application Groups and Supplementary Information on Examination Subjects" below.

- All or part of the written examinations may be waived depending on the results of the screening of the application materials submitted. In the case of examination waiver, the School will notify the examinees to that effect, at the current address indicated on the Application Form by Friday, January 31, 2025.
- The asterisks (*) in the table below indicate examinations that are not required of applicants applying through the Special Selection Procedure for Working Professionals.

Date/Time Course	February 10, 2025		February 11, 2025		February 12, 2025
	Time	Subject/Format	Time	Subject/Format	
Intelligence Science and Technology	10:00–12:00	Specialized short essay	10:00–	Oral examination	Alternative examination day (see note 2)
Social Informatics	10:00–12:00 13:00–15:00 16:00–	Specialized Subjects Fundamentals of Informatics Oral examination	Alternative examination day (see note 2)		
Advanced Mathematical Sciences	10:00–12:00 13:30–	Written examination Oral examination (see note 1)	Alternative examination day (see note 2)		
Applied Mathematics and Physics	13:30–16:30	Specialized Subjects*	13:30–	Oral examination	Alternative examination day (see note 2)
Systems Science	10:00–12:00 13:00–	Specialized Subjects Oral examination	Alternative examination day (see note 2)		
Communications and Computer Engineering	10:00– 13:00–16:00–	Oral examination Specialized Subjects*	Alternative examination day (see note 2)		
Data Science	9:30–12:00 13:00–15:00	Oral Examination Specialized Subjects	Alternative examination day (see note 2)		

Notes:

- 1) For the Advanced Mathematical Sciences Course, the time schedule for the oral examination will be posted on the bulletin board of the School office (1st floor, Research Bldg. No. 8) by 9:30 a.m. on Monday, February 10, 2025. For examinees who have had their written examinations waived, the start of the oral examination may be rescheduled to 10:00 a.m.
- 2) When it is difficult to conduct an examination due to the issuance of emergency/weather warnings, the schedule may be postponed to the alternative examination date. In the event it is necessary to change the examination schedule, the School will place a notification on the website on the morning of the examination day. Accordingly, make sure to check the website: <https://www.i.kyoto-u.ac.jp/en/>
2. The examination voucher will be sent by post in late January to the address indicated on the appended Address Label A (refer to VI. “Application Form and Supporting Materials”). If the examination voucher will not be delivered by Friday, January 31, 2025, make sure to inquire to the Student Affairs Division of the School by e-mail at: kyoho-kyomu@mail2.adm.kyoto-u.ac.jp. Note that applicants residing outside Japan will receive a PDF file of the scanned examination voucher via email to the address indicated on the application form. Print the PDF voucher and bring it at the examination room.
3. Posting of information on the examination room and other related items
Make sure to check the information that has been posted in person. Inquiries by telephone will not be accepted.
 - **Time:** From 1:00 p.m., on Friday, February 7, 2025
 - **Place:** Bulletin board of the School office (1st floor, Research Bldg. No. 8: see the campus map)

Intelligence Science and Technology Course will post this information on website as well

4. On the day of the examination, assemble in front of the examination room at least 30 minutes before the start of each examination. For the oral examinations, follow any separate instructions that may be provided by the relevant Course.
5. Important notes on the written examinations
 - 1) In the examination room, examinees should be sure to bring the examination voucher with them and to follow the proctor's instructions.
 - 2) The only stationery items that may be used during the examination are as follows:
Pencils (black only), ink pens, ballpoint pens, mechanical pencils, pencil sharpeners, plastic/rubber erasers, rulers, clocks, watches (with time functions only), handkerchiefs, and tissues (without a container). Smartphones, mobile telephones and other items may not be placed on desks.
 - 3) The use of dictionaries (including electronic dictionaries) is not permitted.
 - 4) For the use of other reference materials, examinees must follow the instructions given by the relevant Course.
 - 5) Examinees arriving late to the examination room will be permitted to enter within the first 30 minutes after the start of each examination.
 - 6) For examinees who fail to sit an examination, the score to be given in that subject will be zero. Failure to sit an examination in two or more subjects will result in disqualification. Disqualified examinees may not sit any further examinations.
6. Important note on the oral examinations
Where an examinee is scheduled to take an oral examination, failure to attend will result in disqualification.

X. Application Groups and Supplementary Information on Examination Subjects

Application Groups:

Please see each Course page for examination details.

Applicants should choose and enter only one preferred Application Group in the relevant Course for which they are applying in the prescribed field of the appended Application Form and at the top of the "Research Plan".

Prior to application submission, make sure to check the "Application Group Guide" on our website at: <https://www.i.kyoto-u.ac.jp/en/admission/application/>, and contact the faculty members of the group in which they are interested and seek advice on issues such as whether their research interests match those of the group.

In principle, once the Application Form for Admission has been accepted, no subsequent revision and change to the application details will be allowed. Therefore, applicants must carefully enter the form.

Note: Application Groups of the course marked with asterisks are not included in this registration; then may not be selected as preferred groups.

Be sure to check Application Groups at <https://www.i.kyoto-u.ac.jp/en/admission/application/> prior to application.

(1) Intelligence Science and Technology Course

a. Supplementary information on the research progress report

Describe the research progress to date on A-4 sized paper either in Japanese or in English (no prescribed format, at least 2-pages long and no longer than approximately 10 pages). In addition, examinees who completed “Master’s Program” must submit the copy of the thesis.

b. Supplementary information on the research achievement record

If the examinee already has a major academic article which has been published other than master's thesis, it may be submitted (3 articles or less).

c. Supplementary information on the specialized short essay

Questions will be related to the examinee’s preferred application groups and his/her research project in the Doctoral Program.

d. Supplementary information on English requirements

In accordance with the types of submitted English proficiency tests, (TOEIC/TOEFL/IELTS), the following formula will be applied to determine the English score (out of 100 points) for this selection.

- English score = $0.111 \times \text{Submitted TOEIC score} - 26.754$

- English score = $0.833 \times \text{Submitted TOEFL score}$

- English score = $14.723 \times \text{Submitted IELTS score} - 19.653$ (Maximum score will be 100 points)

e. Supplementary information on oral examinations

Examinees will be asked to present their research progress to date and outline their research plans in the Doctoral Program. Examinees can use a document projector (not a video projector) to illustrate his/her presentation, and we recommend that examinees prepare several pages of A-4 sized sheets for that purpose. The presentation should last 10 minutes in Japanese or English and will be followed by a few questions.

f. Supplementary information on written examinations

Questions are provided in both Japanese and English. Examinees can answer in either Japanese or English.

g. Exceptions for submitting official score record of TOEFL/TOEIC/IELTS

Applicants currently in a Master’s degree program or those who have graduated from a Master’s program at the Graduate school of Informatics, Kyoto University are exempt from submitting TOEFL/TOEIC/IELTS score.

h. Supplementary information on admission decisions

Admission decisions are based upon scores in the specialized short essay, oral examinations (including the evaluation of the application form and supporting materials), English proficiency test, and the admission quota for each Application Group. The weighing is as follows: short essay (100-point scale), oral examinations (200-point scale), and English (100-point scale, excluding those who exempted from submission.)

i. Application groups and research fields

Application Groups	Research Fields
IST-1	Neuroinformatics , Brain Decoding, Brain-Machine Interface, Brain Imaging, Computational Neuroscience, Vision Science, Biological Psychiatry, Social Neuroscience, Neuroeconomics
IST-2	Psychoinformatics , Higher Brain Function, Cognitive Neuropsychology, Cognitive Interface, Psychological State Estimation, Cognitive Science
IST-3 *	Cognitive Informatics , Vision Science, Psychophysics, Metacognition (Cognition of self-cognition), Comparison between Human and Machine Vision, Media Technology Using Human Sensory Characteristics
IST-4a (See Note)	Computational Cognitive Neuroscience , Cognitive Neuroscience, Decision Making and Reinforcement Learning, Neurocomputational Mechanism of Social Functions, Brain-based Intelligence and Machine Learning, Human fMRI Experiments with Quantitative Methods
IST-4b * (See Note)	Computational Cognitive Neuroscience , Emotion Sensing, Facial Expression Recognition, Human-robot Interaction, Experimental Psychology, fMRI Measurement, Physiological Measurement
IST-5 *	Computational Intelligence , Knowledge Discovery, Computational Learning Theory, Optimization for Machine Learning
IST-6	Collective Intelligence , Machine Learning, Data Mining, Human Computation
IST-7	Symbol Emergence System , Symbol Emergence in Robotics, Emergent Communication, Multimodal Language Understanding, Cognitive Architecture, Human-in-the-loop Systems
IST-8	Language Media Processing , Language Information Processing, Language Analysis, Language Synthesis, Machine Translation, Information Retrieval
IST-9	Speech and Audio Processing , Speech Recognition and Understanding, Audio Scene Analysis, Human-Robot Dialogue
IST-10	Computer Vision , Visual Information Processing, Visual Intelligence
IST-11	Human Sensing , Human Movement and Behavior Understanding, Interaction and Embodiment, Motion and Action Assist
IST-12	Text Media , Language Understanding, Language Generation, Language Knowledge Acquisition, Verbalizing for Thought and Understanding, Symbol Grounding
IST-13	Biological Information Networks , Bioinformatics, Mathematical and Computational Biology, Complex Networks

Important notice: Cognitive Informatics (IST-3), Computational Cognitive Neuroscience (IST-4b) and Computational Intelligence (IST-5)

Do not select the groups marked with asterisk (*) because they are not recruiting for this admission.

Note: Adjunct Units (IST-4a and IST-4b)

To promote education and research on computational theory to understand the brain, which is a fundamental concept for Intelligence Science and Technology, the Course has established the “Computational Theory Cognitive Neuroscience Science Adjunct Unit” jointly with RIKEN Institute.

In addition to members of the Course, the Adjunct Unit involves staff from our partner institutions, RIKEN Center for Brain Science (Wako city, Saitama) for IST-4a and RIKEN Robotics Project (Keihanna Science City) for IST-4b who provide guidance and assistance under the supervision of the Course. The requirements for registering and completing the program are the same as for other application groups. For details, please refer to the Course’s website below.

For application group, clearly state either IST-4a or IST-4b.

j. Course website:

<https://www.ist.i.kyoto-u.ac.jp/en/>

(2) Social Informatics Course

a. Supplementary information on specialized subjects

In the written examination, the applicants need to choose and answer three questions made from their preferred application group.

b. Supplementary information on fundamentals of informatics

In the written examination on Fundamentals of Informatics, five questions will be provided from the following textbook. The applicants must select and answer three of them.

Computer Science: An Overview (12th Edition)

Author: Glenn Brookshear, Dennis Brylow

Publisher: Prentice Hall

ISBN-10: 0133760065

ISBN-13: 978-0133760064

* Note that Chapter 10: “Computer Graphics” is excluded from the scope of the exam.

c. Supplementary information on written examinations

Questions are provided in both Japanese and English. The applicants can answer them in either Japanese or English.

d. Supplementary information on oral examination

The applicants will be questioned after their presentation in Japanese or English, within 5 minutes, according to their submitted “Research Plan”.

Slide projector or other devices are not available for the presentation.

Applicants may only bring the examination voucher into the oral examination room, as other personal belongings are strictly prohibited.

For the format of “Research Plan”, please refer to “f. Supplementary information on instructions and format of the Research Plan” below.

e. Supplementary information on the third academic year transfer admission for the Collaborative Graduate Program in Design

Prior to the applications, the applicants, who hope to transfer into the Collaborative Graduate Program in Design as a third-year student at the time of admission to the Doctoral Program, should contact the Course’s chair.

Collaborative Graduate Program in Design website

<http://www.design.kyoto-u.ac.jp/>

f. Supplementary information on instructions and format of the Research Plan

Instructions

In the oral examination, the applicants will need to give presentations about their research progress so far and plan in the Doctoral Program within 5 minutes or less in Japanese or in English, according to their submitted “Research Plan”. After the presentations, the applicants will be questioned about it.

The applicants are not allowed to use any devices such as PC, LCD projector, OHP, and so on, in their

presentation.

Copies of “Research Plan” will be distributed to the examiners (The applicants do not need to prepare the copies).

Because the examiners’ question will be referred to the “Research Plan”, the statement should be clear and concise (Use diagrams and/or tables with captions to summarize the main points).

Format

Paper size: A4

Pages: 2 pages or less with one-sided printing

Margin: 2.5cm or more for the top, bottom, left and right, respectively

Font size: 10.5 or more

Specify the name of the applicant and preferred group at the top of the sheet.

It is optional for the applicants to describe specific research topics.

Describe the reasons for applying for the research field and detail correspondence with a potential supervisor.

Printed slides, such as Power Point slides should cover an area of more than 1/4 of a page.

g. Application groups and research fields

Application Groups	Research Fields
SI-2	Human Robot Interaction, Intelligent Robotics, Wireless Sensor Networks, Interaction, Communication Robots, Artificial Intelligence, Cyber Physical System
SI-3	Environment for Sharing All Useful Information in the World: Web Information Analysis, Social Network Analysis, Crowdsourcing, Information Retrieval, Databases, Information Access Interface
SI-4	Human Computer Interaction, User Experience, Inclusive Design, Well-being, Social Computing, Understanding Human Behavior
SI-5	Multiagent Systems, Computational Mechanism Design, Social Computing, Decision Making and Consensus, Collective Intelligence, Artificial Intelligence, Large Language Model, Societal Implementation and Industrialization
SI-6	Establishing Secure and Reliable Information Society, Encryption, Digital Signatures, Zero-knowledge Proof Systems, Multi Party Computation, Implementation Security, Crypto Currency, Privacy
SI-8	Exploration of Resource Bioscience and Ecology through Informatics; Environmental Change and Biological Response; Behavior and Ecology of Resource Animals and Endangered Species; Collection and Analysis of Bioresource Data

SI-9	Conservation and Utilization of Ecosystems, Assessment of Ecosystem Service, Monitoring of Hydrological and Biogeochemical Cycles, Archive and Utilization of Environmental Information
SI-10	Design of Integrated Disaster Management Strategies and Information Systems, Disaster Economic Analysis, Disaster Risk Management Planning, Disaster Risk Governance, Disaster Risk Communication, Disaster Risk Control, Disaster Risk Finance
SI-11	Disaster Risk Communication, Disaster Prevention Psychology, Social Psychology, Action Research, Disaster Information, Evacuation Behavior, Disaster Culture, Disaster Prevention Education, Community-based Disaster Management, Disaster Recovery, Communicating Memories of Disasters
SI-12	Crisis Management, Disaster Response, Rescue Activity, Evacuation Behavior, Risk Communication, Data Collection in Disaster, GIS, Spatio-temporal DB, Micro Geo Data, Data Science for Disaster Risk Management
SI-13	DX of Health Care, Ubiquitous Hospital Information System, Spatial Recognition of Clinical Environments, Electronic Medical Record, EHR/PHR, Data Health, Medical AI, Hospital Management, Telemedicine, Wearable Biometric System, Mobile Health, Medical Virtual Reality/Augmented Reality
SI-14	Education and Learning Technologies, e-Learning System, Learning Analytics, Education Data Science, Mobile and Ubiquitous Learning Environments, Collaborative Learning Environments, Personalized and adaptive learning environments
SI-15	Large-scale Distributed Systems, Peer-to-peer, Blockchain, Internet, Networks, Distributed Machine Learning, Data Engineering, Social Graph Analyzing, Middleware, Computing System

The International programs are provided with which a degree will be completed in English.

h. **Course website**

<https://www.soc.i.kyoto-u.ac.jp/>

(3) Advanced Mathematical Sciences Course

a. Supplementary information on documents to be submitted

A Statement of Research Progress (about 10 pages of A4 size paper in length) describing the applicant's work directly related to the intended topic of the applicant's master's thesis should be submitted. If the applicant already has a completed master's thesis, or a draft, it should be submitted instead.

b. Supplementary information on advanced subjects

The written examination tests specific knowledge on the preferred group(s) chosen in the application form. Questions are provided in Japanese.

c. Supplementary information on oral examination

An oral examination may be omitted depending on the results of the written examination. The oral examination is provided in either Japanese or English and is scheduled for about 40 minutes, but the duration may be shortened depending on the assessment of the application materials. The examination consists of a 30-minute (or may be shortened) presentation on the contents of the applicant's research progress report, followed by a question-and-answer session on the presentation and the research fields to which the applicant is applying. The examination room will be equipped with a blackboard, an OHP, and an LCD projector. However, no laptop computer or other such devices will be prepared for the examinee. If examinees have requests or questions about the pieces of equipment to be used for the presentation, contact the Student Affairs Division of the School at the time of application.

d. Application groups and research fields

Application groups	Research fields
AMS-1	Applied Analysis, Inverse Problems, Nonlinear Problems, Partial Differential Equations, Numerical Analysis, Probability Theory, Fractal Analysis
AMS-2	Nonlinear Dynamics, Nonlinear Oscillations, Computational Physics
AMS-3	Theoretical Neuroscience, Non-equilibrium/Nonlinear Physics, Coupled Dynamical Systems with Networks
AMS-4	Numerical Simulation, Computational Mechanics, Computational Engineering
AMS-5	Fluid Dynamics, Rarefied Gas Dynamics, Numerical Simulation of Fluids

e. Faculty adviser

In the Advanced Mathematical Sciences Course, each student is, in principle, supervised either by a professor or an associate professor of the course.

f. Course website

<https://www.acs.i.kyoto-u.ac.jp/>

(4) Applied Mathematics and Physics Course

a. Supplementary information on the specialized subjects

At the time of application, each applicant must select an application group (except AMP-7) other than the one stated in his/her “Application Form” and submit his/her choice on the “Registration for the Examination Subjects Sheet.” In the examination, no questions will be offered from application groups that have neither been stated in the “Application Form” nor registered for examination subjects by any applicants.

In the examination, each applicant must choose and answer three questions in total.

- Two questions from the preferred application group indicated in the application.
- One question from other application groups (except AMP-7).

Questions are provided in English. Give answers in either Japanese or English.

b. Supplementary information on oral examinations

At the oral examination, each applicant will be required to explain their research progress to date and future research plans within 20 minutes. There will be about ten minutes for questions and answers after the presentation. A video-projector or a similar presentation device will be made available to the applicant.

c. Application Groups and Research Fields

Application Groups	Research Fields
AMP-1	Applied Mathematical Analysis, Soliton and Integrable Systems, Matrix and Eigenvalue Algorithms
AMP-2	Discrete Mathematics, Combinatorial Optimization Algorithms, Graph Networks, Computational Complexity
AMP-3	System Optimization, Mathematical Programming Theory and Application, Operations Research
AMP-4	Control Systems Theory, Robust/Optimal Control, System Identification/Modeling
AMP-5	Physical Statistics, Basic Theory of Nonlinear Dynamical Systems and Complex Systems, Fundamentals and Applications of Stochastic Processes
AMP-6	Dynamical Systems, Differential Equations, Mathematical Physics
AMP-7	Applied Mathematical Modeling, Modeling Theory, Social Information System Modeling

d. Course website

<https://www.amp.i.kyoto-u.ac.jp/>

(5) Systems Science Course

a. Supplementary information on the specialized subjects (100 points each/200 points total)

Examinees will choose and answer two questions; one each from the preferred application group and another application group. Working professionals, however, may choose and answer two questions from the preferred application group. Give answers either in Japanese or in English.

b. Supplementary information on oral examination (200 points)

Examinees are questioned after the presentation within 15 minutes concerning the research progress to date and research plans in the Doctoral Program. Each examinee needs to prepare the presentation using a laptop PC (or some other device capable of electronic presentation) of the examinee's own. Give the presentation either in Japanese or English.

c. English requirements

There are no English requirements for the Doctoral Program.

d. Supplementary information on admission decisions

Admission decisions will be based upon: scores in the specialized subjects; score in the oral examinations; admission quota for each Application Group.

e. Application groups and research fields

In case SS-9 is chosen as the preferred application group, please follow note stated below.

Application Groups	Research Fields
SS-1	Mechanical Systems Control, System Control Theory, Network System, Swarm Intelligence
SS-2	Human-Centered Systems, Process Data Analysis & Process Control, Biological Information Processing, Low-Carbon Manufacturing Technology
SS-3	Integrated Dynamical Systems, Optimal Control, Nonlinear Systems, Stochastic Systems
SS-4	Mathematical Information Systems, Statistical-Mechanics-Based Information Science, Information and Communication Theory, Statistical Learning Theory
SS-5	Statistical Intelligence, Statistics, Machine Learning, Data Science
SS-6	Learning Machines, Robotics, Humanoid Motor Learning, Human Behavior Estimation
SS-7	Integrated Systems Biology, Reinforcement Learning, Brain Learning Model, Brain Machine Interface
SS-8	Biodynamics, Biological Motor Control, Medical Engineering Informatics, Predictive Medical Infrastructure

SS-9	(a)	Computational Neuroscience, Brain Network Interface
	(b)	Information Processing of Neural Circuits, Free Energy Principle, Attractor Dynamics
	(c) *	Basal Ganglia, Neuromodulators, Evolutionary Robotics

Do not select groups marked with asterisks (*) as they are not recruiting this year.

(Note)

The application group “SS-9” corresponds to the Adjunct Units described in “f. Adjunct Units”. For the examinees for SS-9, specify the item from (a) to (c) of “SS-9”. Examinees are able to choose, for example, “SS-9 (a)” as the preferred application group.

f. Adjunct Units

In order to educate high-quality human resources with a broad perspective in the sphere of systems science, the Course has established the “Computational Neuroscience Adjunct Unit” jointly with ATR Computational Neuroscience Laboratories, RIKEN Brain Science Institute, and Okinawa Institute of Science and Technology Graduate University.

In addition to members of the School faculty, each Adjunct Unit involves staffs from the partner institutions, who provide guidance and assistance under the supervision of the School faculty. The other requirements for registering for subjects and completing the program are the same as for the other application groups. For details, please contact below.

g. Course Website

<https://www.sys.i.kyoto-u.ac.jp/>

(6) Communications and Computer Engineering Course

a. Supplementary information on specialized subjects

The written examination consists of three questions relevant to the submitted "Statement of Research Plan" in the doctoral program. Examinees must answer all three questions.

b. Supplementary information on written examination

Give answers either in Japanese or in English.

c. Supplementary information on the oral examinations

The entire oral examination is approximately 15 minutes in length. Use first 8 minutes to present your research work done up to the date and the research you would like to pursue in our Doctoral Program. A projector is available in the room. If you would like to use PC for presentation, you need to bring your own PC.

d. Application groups and research fields

Research supervision and sufficient number of courses are provided in English, so that knowledge of Japanese is not required in order to complete degree.

Application groups	Research Fields
CCE-1	Algorithms, Discrete structures, Computational complexity, Logic circuits, Emerging computing
CCE-2 *	
CCE-3	Computer software, Theory of programs, Programming languages
CCE-4	Digital communications, Mobile communications, Radio signal processing
CCE-5 *	
CCE-6	Information and communication networks, Communications system architecture, Traffic analysis and control
CCE-7	Electrical system design automation, Parallel processing architecture, LSI architecture and system synthesis
CCE-8	Semiconductor integrated system design, Low power integrated circuits design, Integrated Systems for Bio-medical Applications
CCE-9	Integrated Systems Architecture, Highly-reliable Integrated Systems, Advanced Integrated Systems
CCE-10	Radar remote sensing engineering, Radar atmospheric physics, Equatorial space and upper atmospheric physics

CCE-11	Optical-radio wave atmospheric observations, Equatorial atmospheric science, Atmospheric environmental measurement
CCE-12	Supercomputing, High-performance computing, Power-saving computing and Numerical linear algebra
CCE-13	Network Media, Internet, Information security, Cloud Edge Computing, Distributed algorithm

Do not select Application Groups marked with an asterisk (*) as they are not recruiting in this admission.

e. Course website

<https://www.cce.i.kyoto-u.ac.jp/english/>

f. Exceptions for submission of official score record of TOEFL/TOEIC

- (1) The examinees for the special selection procedure for working professionals are not necessary to submit the official score records of TOEFL/TOEIC.
- (2) Applicants currently in a Master's degree program or those who have graduated from a Master's program at the Graduate School of Informatics, Kyoto University are exempted from submitting TOEFL/TOEIC scores.

(7) Data Science Course

a. Supplementary information on the specialized subjects

Question will be given for each application group. The question will be related to the examinee's preferred application group and the examinee's research project in the Doctoral program.

b. Supplementary information on the oral examination

Examinees are questioned for about 10 minutes, after 10 minutes presentation concerning the research progress to date, and research plans in the Doctoral Program.

Each examinee needs to prepare the presentation using a laptop PC (or some other device capable of electronic presentation) of the examinee's own.

c. Supplementary information on English requirements

No English test is conducted.

d. Supplementary information on admission decisions

Admission decisions will be based on the score of the written examination, oral exam, and the admission quota for each Application Group.

e. Application groups and research fields

Application Groups	Research Fields
DS-1	Statistical Intelligence, Statistics, Machine Learning, Data Science
DS-2	Mathematical Statistics, Computational Algebraic Statistics, Bayesian Statistics, Data Science
DS-3	Mathematical Information Systems, Statistical-Mechanics-Based Information Science, Information and Communication Theory, Statistical Learning Theory
DS-4	Statistical Signal Processing, Model-Based Machine Learning, Sparse Modeling, Information Communication
DS-5 *	Educational Data Science, Educational Informatics
DS-6	Collective Intelligence, Machine Learning, Data Mining, Human Computation
DS-7	Healthcare-related Data Science, Healthcare Digital Transformation, Data Science in Visual Function, Data Health
DS-8	Machine Learning, Meta-learning, Learning with Inductive Bias

Do not select the Application Group marked with an asterisk (DS-5) as it is not recruiting for this admission.

f. Course Website

<https://www.ds.i.kyoto-u.ac.jp/>

XI. Announcement of Successful Applicants

A list of the examinee numbers of successful applicants will be posted on the bulletin board as shown below. Results are also be sent by post to respective applicants. Inquiries by telephone or any other means will not be accepted.

Time and date: From 3:00 p.m. on Friday, February 14 to 3:00 p.m. on Friday, February 21, 2025

Place: Bulletin board of the School office (1st floor, Research Bldg. No. 8)

In addition to the above, the examinee numbers of successful applicants will be published on the website of the School at:

<https://www.i.kyoto-u.ac.jp/admission/pass.html> (Japanese)

<https://www.i.kyoto-u.ac.jp/en/admission/pass.html> (English)

The School will send the documents for enrollment procedure to the successful applicants by post in early September 2025.

XII. Process for Extending the Period of Study

Although the standard period of this program is three years, students are allowed to extend their period of study for up to six years due to circumstances such as employment, childcare, and nursing care. (Note that the maximum 6-year enrollment period cannot be extended) Applicants who wish to apply for an extended the period of study. should contact the Student Affairs Division prior to applying for the entrance examinations and no later than 5:00 p.m. on Monday, January 6, 2025.

XIII. Admission Fee and Tuition

- Admission Fee: 282,000 yen (tentative)
(This fee will be waived for applicants completing their Master's Program at Kyoto University at the end of September 2025.)
- Annual Tuition: 535,800 yen (tentative)
(Tuition will be determined depending on the number of enrollment years for students who apply for an Extended the Period of Study.)

Notes:

- 1) Japanese Government (MEXT*) Scholarship Students are exempt from paying the admission fee and tuition.
*¹ Ministry of Education, Culture, Sports, Science and Technology of Japan
- 2) If the admission fee and tuition are revised after enrollment, the revised amount will be applied from the time at which the revision comes into effect.

XIV. Handling of Personal Information

Personal information, such as name, gender, date of birth, address, and performance evaluation, shall be handled according to the Act on the Protection of Personal Information Held by Private Institutions and the Regulations on the Protection of Personal Information of Kyoto University. Such information acquired through the application process in the application form, such as name, gender, date of birth, and address, will be used only for administrative purposes, including:

1. entrance examinations

2. enrollment procedures, scholarships, etc.
3. administrative preparation for accepting students

How to obtain a copy of the guidelines and Application Forms for Admission

For Applicants Residing in Japan

Receive the admission guidelines at the School office. In case that an applicant wishes to receive the guidelines by post, the applicant must send the request enclosing with a self-addressed Letter Pack (レターパック), and send it to the address for “inquiries” shown below. Include a memo stating which application guideline is necessary in the same envelope. Additionally, write “Request for the Guidelines: October 2025 Admission to the Doctoral Program” clearly in red on the envelope. The Application Form and Supporting Materials are appended to the admission guidelines (in Japanese) which are necessary at the time of application for entrance examination.

For detail about the “Letter Pack (レターパック)”, please visit:
https://www.post.japanpost.jp/service/letterpack/index_en.html

For Applicants Residing Outside Japan Only

For application, download these guidelines and use the appended application forms on the website.

Inquiries:

Student Affairs Division (1st floor, Research Bldg. No. 8)

Graduate School of Informatics, Kyoto University

Yoshida Honmachi, Sakyo-ku, Kyoto 606-8501 Japan

E-mail: jyoho-kyomu@mail2.adm.kyoto-u.ac.jp

Tel: +81-(0)75-753-4894, or 5500

Monday - Friday,

9:00 a.m. - 5:00 p.m. (except noon to 1:00 p.m.)

November 2024