2022 Admission Guide

Department of Mathematical Informatics
Graduate School of Information Science and Technology
The University of Tokyo

Master’s Program
Doctoral Program

Contact
Department Team (Department of Mathematical Informatics),
Academic Affairs Group, Graduate School of Engineering / Information Science and Technology,
The University of Tokyo,
7-3-1 Hongo, Bunkyo-ku, Tokyo 113-8656, JAPAN.
TEL: 03-5841-6889   E-mail: office@office.keisu.t.u-tokyo.ac.jp

Visit
https://www.i.u-tokyo.ac.jp/index_e.shtml

In addition to this brochure, be sure to refer to the admission guide of the Graduate School of Information Science and Technology, the University of Tokyo.
(I) Master’s Program

1. Outline

Selection will be conducted based on the “AY 2022 Admission Guide: Master’s Program, Graduate School of Information Science and Technology, The University of Tokyo” (posted on https://www.i.u-tokyo.ac.jp/index_e.shtml), and on this admission guide of the Department of Mathematical Informatics. All important items common to the graduate school, including requirements for eligibility and application procedures, are listed in the above common guide, so please be sure to refer to that document. This admission guide supplements the above common guide with explanations regarding examination procedures that are specific to the Department of Mathematical Informatics.

Based on the interdisciplinary nature of the Department of Mathematical Informatics, this department invites applicants from a wide range of fields, both inside and outside the University of Tokyo, with a fundamental understanding and knowledge of mathematics, informatics, and physics. Examination subjects have been selected to ensure that applicants with diverse backgrounds can take examinations under fair conditions.

2. Preference Card

On the “Preference card (for the Master’s Program)” included with this guide, fill in your preferences with regard to faculty advisors, fields, etc., and submit the card at the time of application.

Note: Regarding preferred faculty advisors, please select your preferred advisors from amongst those in the Department of Mathematical Informatics (listed on pages 10-13).

3. Examination Subjects

3.1. Document screening

Document screening will be conducted based on the submitted documents. Regarding the notification of the screening results, refer to the admission guide of the Graduate School of Information Science and Technology.

Applicants are required to submit essays at the time of application, following “Document Screening Assignment (for Master’s Program)” on page 8 of this guide.

3.2. General education subjects

We will conduct a mathematics examination. The examination will be conducted only for applicants who have passed the document screening. Refer to the admission guide of the Graduate School of Information Science and Technology for details.

3.3. Foreign language (English)

TOEFL iBT/TOEFL iBT(SHE) scores will be used to evaluate the applicants’ English skills. For details, refer to “Guidelines for Submission of TOEFL Scores (for AY2022 Entrance Examinations)” which is provided with the admission guide of the Graduate School of Information Science and Technology.

3.4. Specialized subjects and oral examination

The examination will be conducted only for applicants who have passed the document screening.

1) Essays

Applicants will be required to submit essays on Mathematical Informatics. The subjects of the essays will be related to mathematical methods for solving problems, including: algebraic methods, analytic
methods, geometric methods, discrete methods, stochastic methods, statistical methods, and algorithms, etc.

The subjects of the essays and the submission instructions will be announced directly to the applicants at 10 am on June 30 (Wednesday), 2021. Submissions are due by noon on July 28 (Wednesday), 2021.

2) Oral examination

We will conduct an oral examination concerning the submitted essays and specialized academic skills and knowledge on Mathematical Informatics. The oral examination will be held online between August 23 (Monday) and August 25 (Wednesday), 2021. Examinees will be notified directly regarding the instructions of the oral examination in early August. An optional online connection trial will be organized on August 12 (Thursday), 2021. The details on the connection trial will be announced in early August.

The oral examination will be conducted only for applicants who have taken the written examination on general education subjects and submitted the essays. Examinees will be notified directly regarding the detailed schedule of the oral examination by noon on August 19 (Thursday), 2021.

4. Important Notes

4.1. Those who are absent from one of the exams (the general education subjects and the oral examination) will be considered to have withdrawn from the entrance examination.

4.2. Persons wishing to enter the school in October who have not graduated from university by September 2021 are required to confirm their eligibility with the Department Team (the Department of Mathematical Informatics), Academic Affairs Group, the Graduate School of Engineering / Information Science and Technology, the University of Tokyo.

5. Contact

If you have any questions regarding this admission guide, please contact the Department Team as indicated on the cover.

(II) Doctoral Program [Summer and Winter Entrance Examinations]

1. Outline

Selection will be conducted based on the “AY 2022 Admission Guide: Doctoral Program, Graduate School of Information Science and Technology, The University of Tokyo” (posted on https://www.i.u-tokyo.ac.jp/index_e.shtml), and on this admission guide of the Department of Mathematical Informatics. All important items common to the graduate school, including requirements for eligibility and application procedures, are listed in the above common guide, so please be sure to refer to that document. This admission guide supplements the above common guide with explanations regarding examination procedures that are specific to the Department of Mathematical Informatics.

2. Contact before the Submission of the Applications

Applicants are required to contact the following office prior to the submission of the applications and arrange a meeting with their preferred faculty advisor.
3. Preference Card
On the “Preference card (for Doctoral Program)” included in this guide, fill in your preferences with regard to faculty advisors, fields, etc., and submit the card at the time of application.

4. Documents for the Submission
Applicants are requested to write reports on the following themes, complete the checklist on the preference card, and submit all of the reports at the time of application.

Theme:
(1) Summarize your past research achievements and future research plans in a report in English or Japanese, comprising no more than ten A4-sized pages, including formulas, diagrams, etc. Applicants may use any format appropriate for this report.
(2) Provide an English summary of the above report on about one A4-sized page.
(3) Provide responses to the following questions regarding the content of the above report in English or Japanese, comprising no more than two A4-sized pages.
   (a) What is the goal of your research?
   (b) What is the specific content of this research and the methods used?
   (c) What is the current status of this field of research, in Japan and overseas?
   (d) What aspects of this research could be considered new in comparison to past researches in this field?
   (e) How will the results of this research contribute to the field in question?

5. Primary Examinations
5.1. Foreign language (English)
   - TOEFL iBT/TOEFL iBT(SHE) scores will be used to evaluate the applicants’ English skills. For details, refer to “Guidelines for Submission of TOEFL Scores (for AY2022 Entrance Examinations)” which is provided with the admission guide of the Graduate School of Information Science and Technology.
   - Persons who have completed or are expected to complete a Master's Program in the University of Tokyo will not be required to submit TOEFL scores.

5.2. Written examination
   - Applicants will take an examination on the specialized subject “Mathematical Informatics.” Applicants will be required to write descriptive answers to questions that assess specialized academic skills and knowledge.
   - In the Summer Entrance Examination, the written examination will be held online on August 25
This document is an unofficial translation from the official Japanese version.

(Wednesday), 2021. Applicants will be notified directly regarding the detailed schedule and the examination instructions in early August.

- In the Winter Entrance Examination, the written examination will be held between February 2 (Wednesday) and February 4 (Friday), 2022. Applicants will be notified directly regarding the detailed schedule and the examination instructions.

- Persons who have completed or are expected to complete a Master's Program of the University of Tokyo may be exempted from the specialized subject written examination. Applicants wishing to be exempted must contact the department via their preferred faculty advisor no later than June 7 (Monday) in the case of the Summer Entrance Examination, and no later than November 24 (Wednesday) in the case of the Winter Entrance Examination.

5.3. Oral examination

- Applicants will be required to answer questions on the research plan and other materials submitted in advance.

- In the Summer Entrance Examination, the oral examination will be held online on August 26 (Thursday) or 27 (Friday), 2021. Applicants will be notified directly regarding the detailed schedule and the examination instructions in early August.

- In the Winter Entrance Examination, the oral examination will be held between February 2 (Wednesday) and February 4 (Friday), 2022. Applicants will be notified directly regarding the detailed schedule and the examination instructions.

6. Secondary Examination

In the case of the Summer Entrance Examination, persons who have passed the Primary Examinations shall take the Secondary Examination between late January and mid-February, 2022. Note, however, that persons who wish to enter the school in October and persons who have already completed a master's program by the time of application shall take the Secondary Examination on the same day as the Primary Examinations.

In the case of the Winter Entrance Examination, the Secondary Examination will be conducted on the same day as the Primary Examinations.

The oral examination will be conducted in the Secondary Examination. Applicants should send their Master's theses (or equivalent materials), with its summary written in one or two A4-sized pages to the office by e-mail before the examination date. Applicants will be notified later regarding the schedule and the instructions of the oral examination.

7. Contact

If you have any questions regarding this admission guide, please contact the Department Team as indicated on the cover.

(Ⅲ) Doctoral Program - Special Selection for Professionals [Summer and Winter Entrance Examinations]

1. Outline

Selection will be conducted based on the “AY 2022 Admission Guide: Doctoral Program, Graduate School of Information Science and Technology, The University of Tokyo” (posted on https://www.i.u-
This document is an unofficial translation from the official Japanese version.

tokyo.ac.jp/index_e.shtml), “AY 2022 Admission Guide: Doctoral Program [ Special Selection for Professionals ], Graduate School of Information Science and Technology, The University of Tokyo” and on this admission guide of the Department of Mathematical Informatics. All important items common to the graduate school, including requirements for eligibility and application procedures, are listed in the above common guides, so please be sure to refer to those documents. This admission guide supplements the above common guides with explanations regarding examination procedures that are specific to the Department of Mathematical Informatics.

2. Contact before the Submission of the Applications

Applicants are required to contact the following office prior to the submission of the applications and arrange a meeting with their preferred faculty advisor.

**Contact:**
Department Team (Department of Mathematical Informatics)
Academic Affairs Group
Graduate School of Engineering / Information Science and Technology, The University of Tokyo
7-3-1 Hongo, Bunkyo-ku, Tokyo 113-8656
(TEL: 03-5841-6889, E-mail: office@office.keisu.t.u-tokyo.ac.jp)

3. Preference Card

On the “Preference card (for Doctoral Program)” included in this guide, fill in your preferences with regard to faculty advisors, fields, etc., and submit the card at the time of application.

4. Documents for the Submission

In their application documents, applicants shall include the documents consisting of the following five items regarding the applicant's research and work achievements in a field related to Mathematical Informatics. Applicants must complete the checklist on the preference card, and submit all of these documents at the time of application.

(1) List of achievements

Provide a list of academic papers, patents, products, and other examples of the applicant's achievements. In the case of collaborative achievements involving several persons, clearly indicate the part and the weight of the applicant's contributions.

(2) Outline of main achievements

Select three or fewer main achievements from the above list, and provide an outline of these achievements.

(3) Research plan

Provide a detailed description of the applicant's plan for research to be conducted in the Doctoral Program.

(4) Materials related to the main achievements

These materials may include reprints (or copies) of academic papers, detailed descriptions of patents, or product pamphlets.

(5) Recommendation letters

Select two individuals with a clear understanding of the applicant's achievements, and ask them to provide separate evaluations of those achievements by filling in the specified form found at (https://www.i.u-tokyo.ac.jp/edu/course/mi/pdf/gyouseki.doc). Evaluations should be sealed before being submitted. Regarding the submission of the recommendation letters, contact the Department
Team as indicated on the cover.
Note: Items (2) and (3) should be combined on about ten A4-sized pages.

5. Selection Methods
A few students will be selected based on research achievements and work achievements in fields related to Mathematical Informatics, and also on the examinations below.

5.1. Foreign language (English)
- TOEFL iBT/TOEFL iBT(SHE) scores will be used to evaluate the applicants’ English skills. For details, refer to “Guidelines for Submission of TOEFL Scores (for AY2022 Entrance Examinations)” which is provided with the admission guide of the Graduate School of Information Science and Technology.
- Persons who have completed or are expected to complete a Master's Program of the University of Tokyo will not be required to submit TOEFL scores.

5.2. Written examination
- Applicants will take an examination on the specialized subject “Mathematical Informatics.” Applicants will be required to write descriptive answers to questions that assess specialized academic skills and knowledge.
- In the Summer Entrance Examination, the written examination will be held online on August 25 (Wednesday), 2021. Applicants will be notified directly regarding the detailed schedule and the examination instructions in early August.
- In the Winter Entrance Examination, the written examination will be held between February 2 (Wednesday) and February 4 (Friday), 2022. Applicants will be notified directly regarding the detailed schedule and the examination instructions.
- Persons who have completed or are expected to complete a Master's Program of the University of Tokyo may be exempted from the specialized subject written examination. Applicants wishing to be exempted must contact the department via their preferred faculty advisor no later than June 7 (Monday) in the case of the Summer Entrance Examination, and no later than November 24 (Wednesday) in the case of the Winter Entrance Examination.

5.3. Oral examination
- Applicants will be required to answer questions on the research plan and other materials submitted in advance.
- In the Summer Entrance Examination, the oral examination will be held online on August 26 (Thursday) or 27 (Friday), 2021. Applicants will be notified directly regarding the detailed schedule and the examination instructions in early August.
- In the Winter Entrance Examination, the oral examination will be held between February 2 (Wednesday) and February 4 (Friday), 2022. Applicants will be notified directly regarding the detailed schedule and the examination instructions.
- Applicants should send their Master's theses (or equivalent materials) with their summaries written on one or two A4-sized pages to the office by e-mail before the examination date.

6. Contact
If you have any questions regarding this admission guide, please contact the Department Team as indicated on the cover.
This document is an unofficial translation from the official Japanese version.

**Preference card (for Master’s Program)**
Department of Mathematical Informatics, Graduate School of Information Science and Technology, The University of Tokyo

<table>
<thead>
<tr>
<th>Program</th>
<th>Master’s Program</th>
</tr>
</thead>
<tbody>
<tr>
<td>Examinee’s name</td>
<td>*Examinee’s number</td>
</tr>
<tr>
<td>Graduated university (Graduate school if applicable)</td>
<td></td>
</tr>
<tr>
<td>University:</td>
<td>Faculty:</td>
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<tr>
<td>Department:</td>
<td></td>
</tr>
<tr>
<td>Graduation date (expected)</td>
<td>year</td>
</tr>
<tr>
<td>Graduate School:</td>
<td>Faculty:</td>
</tr>
<tr>
<td>Department:</td>
<td></td>
</tr>
<tr>
<td>Graduation date (expected)</td>
<td>year</td>
</tr>
<tr>
<td>Contact address during the examination period</td>
<td>Address:</td>
</tr>
<tr>
<td></td>
<td>TEL:</td>
</tr>
<tr>
<td></td>
<td>E-mail:</td>
</tr>
<tr>
<td>Names of the preferred faculty advisors</td>
<td>Preference 1</td>
</tr>
<tr>
<td></td>
<td>Preference 2</td>
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<tr>
<td></td>
<td>Preference 3</td>
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<td>Preference 4</td>
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<td></td>
<td>Preference 5</td>
</tr>
<tr>
<td></td>
<td>Preference 6</td>
</tr>
<tr>
<td>Do you wish to enter the school in October 2021?</td>
<td>□ Yes</td>
</tr>
<tr>
<td>Residence Card (Please mark the appropriate item)</td>
<td>□ Retain</td>
</tr>
<tr>
<td>Status: student／other ( )</td>
<td></td>
</tr>
<tr>
<td>Date of expiration of period of stay: 20年月日</td>
<td></td>
</tr>
<tr>
<td>□ Not Retain</td>
<td></td>
</tr>
<tr>
<td>Language for the oral examination</td>
<td>□ Japanese</td>
</tr>
<tr>
<td>If you have any preferred faculty advisors other than those noted above, please indicate them here.</td>
<td></td>
</tr>
</tbody>
</table>

- Submit this card along with your application.
- *Leave this box blank.
- Persons who will not have graduated from university by September 2021 and still wish to enter the school in October 2021 are required to confirm their eligibility with the Department Team (the Department of Mathematical Informatics), Academic Affairs Group, the Graduate School of Engineering / Information Science and Technology, the University of Tokyo, and mark the “Yes” box in the appropriate column above.
[Document Screening Assignment (for Master’s Program)]

Submit essays on the following subjects at the time of application. Prepare your answers by using the template file found on the department web page. Follow the instructions on the same page in writing your answers. Keep the guidelines about the amount of answers, indicated in the parenthesis in each subject.

Subject 1. Briefly explain your motivation for applying to our department, presenting your concrete research topic. (0.5 pages)

Subject 2. Select one important tool in mathematical informatics (e.g., theorem, formula, methodology, and algorithm) that is related to the research topic you presented in Subject 1. About this tool, explain the following aspects in a concrete and precise manner by clarifying the relation to your research topic. (1.5 pages)
(1) Mathematical details
(2) Significance in mathematical informatics
(3) Example(s) of its application

Describe your answer to each of (1), (2), and (3) in a separate section.
[Preference card (for Doctoral Program)]
Department of Mathematical Informatics, Graduate School of Information Science and Technology, The University of Tokyo

<table>
<thead>
<tr>
<th>Program</th>
<th>Doctoral Program</th>
</tr>
</thead>
<tbody>
<tr>
<td>Examinee’s name</td>
<td>*Examinee’s number</td>
</tr>
</tbody>
</table>
| Graduated university and graduate school      | University:  
Department:  
Graduation date: year month  
Graduate School:  
Department:  
Graduation date (expected): year month |
| Contact address during the examination period | Address:  
TEL:  
E-mail: |
| Name of the preferred faculty advisor         | (Confirm the following statement and mark the check box.)  
□ I have made contact and held a meeting with the preferred faculty advisor prior to the submission of this application. |
| Application Category                         | □ Summer Examination  
(Do you wish to enter the school in October 2021?  □ Yes  □ No)  
□ Winter Examination  
□ Special Selection for Professionals  
(Mark also either Summer Examination or Winter Examination.) |
| Residence Card                               | □ Retain  
Status: student/other ( )  
Date of expiration of period of stay: 20 年 月 日  
□ Not Retain |
| Language for the oral examination            | □ Japanese  
□ English |
| Checklist of the documents to be submitted    | □ Research achievements & plans  
□ English summary  
□ Responses to questions (a)–(e)  
Doctoral Program  
Special Selection for Professionals  
□ List of achievements  
□ Outline of main achievements  
□ Research plan  
□ Materials of main achievements  
□ Recommendation letters |
| Preferred field                              | *Submit this card along with your application.  
*Leave this box blank.  
*Please note that the period for acceptance of applications differs for the Summer Examination and the Winter Examination. Application documents that arrive outside of the specified periods for acceptance of applications shall be deemed invalid.  
*Persons who will not have earned a Master’s degree by September 2021 and still wish to enter the school in October via the Summer Examination are required to confirm the eligibility with the Department Team (the Department of Mathematical Informatics), Academic Affairs Group, the Graduate School of Engineering / Information Science and Technology, the University of Tokyo, and mark the “Yes” box in the appropriate column above.
Department of Mathematical Informatics
Graduate School of Information Science and Technology, The University of Tokyo

https://www.i.u-tokyo.ac.jp/edu/course/mi/members_e.shtml

<table>
<thead>
<tr>
<th>Name</th>
<th>Research Interests</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tsuyoshi Takagi (Professor)</td>
<td>(1) Mathematical Cryptography: Theoretical analysis and efficient implementation of post-quantum cryptography in the era of quantum computers. (2) Applied Cryptography: Security evaluation of Bitcoin system or cryptographic protocols such as SSL/TLS.</td>
</tr>
<tr>
<td>Kunihiko Sadakane (Professor)</td>
<td>(1) Algorithms and data structures: theory of algorithms for processing discrete data such as graphs and strings, theory of stream, external, and GPU algorithms, and theory of succinct data structures and graph decomposition. (2) Applications of those theories to efficient big data processing such as genome information and geographic information.</td>
</tr>
<tr>
<td>Takayasu Matsuo (Professor)</td>
<td>(1) Numerical algorithm: differential equation, function approximation, numerical linear algebra, tensor. (2) Theoretical numerical analysis: geometric numerical integration, discrete functional analysis, asymptotic behaviors of algorithms. (3) Applications: physical simulation, data analysis.</td>
</tr>
<tr>
<td>Fumiyasu Komaki (Professor)</td>
<td>(1) Theoretical statistics: inference theory, prediction theory, Bayesian theory, experimental design, model selection. (2) Statistical modeling: Bayesian networks, graphical models, point processes. (3) Information geometry: differential geometry of statistical inference.</td>
</tr>
<tr>
<td>Akiko Takeda (Professor)</td>
<td>(1) Continuous optimization: development of efficient algorithms for solving nonconvex optimization problems, robust optimization problems, etc. (2) Applications of optimization methods to optimization problems in machine learning, energy system. (3) Operations Research.</td>
</tr>
<tr>
<td>Kenji Yamanishi (Professor)</td>
<td>(1) Theory of machine learning: an information-theoretic or statistical approach to machine learning. (2) Data science: anomaly detection, change detection, network mining, latent dynamics. (3) Big data analysis: security, marketing, traffic risk analysis, medical data analysis, economic data analysis. (4) Symptomatics—Science of early warning signals of anomalies.</td>
</tr>
<tr>
<td>Satoru Iwata (Professor)</td>
<td>(1) Discrete optimization: Design of efficient algorithms for optimization problems related to matroids and submodular functions. (2) Discrete mathematical engineering: Discrete optimization techniques in numerical linear algebra and dynamical systems analysis. (3) Global optimization: Design of efficient algorithms for solving nonconvex optimization problems with geometric backgrounds. (4) Chemo-informatics: Information processing methods for assisting research in chemistry.</td>
</tr>
<tr>
<td>Hiroshi Hirai (Associate Professor)</td>
<td>(1) Discrete optimization: multicommodity flow, facility location, network design, etc. (2) Discrete mathematics: finite metric spaces, polyhedral combinatorics, graph theory, and their applications.</td>
</tr>
<tr>
<td>Name</td>
<td>Position</td>
</tr>
<tr>
<td>-------------------------------</td>
<td>---------------------------------</td>
</tr>
<tr>
<td>Tomonari Sei</td>
<td>Associate Professor</td>
</tr>
<tr>
<td>Shin-ichi Tanigawa</td>
<td>Associate Professor</td>
</tr>
<tr>
<td>Kazuhiro Sato</td>
<td>Lecturer</td>
</tr>
<tr>
<td>Takashi Kohno</td>
<td>Professor [IIS]</td>
</tr>
<tr>
<td>Tetsuya Kobayashi</td>
<td>Associate Professor [IIS]</td>
</tr>
<tr>
<td>Yoshihiro Kanno</td>
<td>Professor [MI]</td>
</tr>
<tr>
<td>Name</td>
<td>Position</td>
</tr>
<tr>
<td>-----------------------------</td>
<td>---------------------------</td>
</tr>
<tr>
<td>Teppei Ogihara</td>
<td>(Associate Professor)</td>
</tr>
<tr>
<td>Ryohei Hisano</td>
<td>(Lecturer)</td>
</tr>
<tr>
<td>Yasushi Kawase</td>
<td>(Project Associate Professor)</td>
</tr>
<tr>
<td>Hiromichi Nagao</td>
<td>(Associate Professor)</td>
</tr>
<tr>
<td>Hiroshi Kori</td>
<td>(Professor)</td>
</tr>
<tr>
<td>Yuki Izumida</td>
<td>(Lecturer)</td>
</tr>
<tr>
<td>Gouhei Tanaka</td>
<td>(Project Associate Professor)</td>
</tr>
</tbody>
</table>
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<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td>Andrea Benucci (Professor) [RIKEN CBS]</td>
<td>(1) Computations in biological neural networks: encoding and decoding principles of sensory processing, sensory to decision transformations, linear and non-linear analyses of large-scale neuronal recordings. (2) Dynamical models of neural activity: deep recurrent neural networks (RNN), non-linear analysis of fitted RNN. (3) Predictive modeling and experiments: two-photon imaging, optogenetic perturbations of neural-network dynamics.</td>
</tr>
</tbody>
</table>

[RCAST] means members belonging to the Research Center for Advanced Science and Technology. [IIS] means members belonging to the Institute of Industrial Science. [MI] means members belonging to the Mathematics and Informatics Center. [RIISE] means members belonging to the Research Institute for an Inclusive Society through Engineering. [ERI] means members belonging to the Earthquake Research Institute. [Frontier Science] means members belonging to the Graduate School of Frontier Sciences. [ITC] means members belonging to the Information Technology Center. [IRCN] means faculty members belonging to the International Research Center for Neurointelligence. [RIKEN CBS] means faculty members belonging to the RIKEN Center for Brain Science. For locations of offices of the faculty members, refer to their web pages.
### Required Documents (Department of Mathematical Informatics)

<table>
<thead>
<tr>
<th></th>
<th>Summer Examination</th>
<th>Winter Examination</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Documents to be Submitted</strong></td>
<td>Who to Submit</td>
<td><strong>Documents to be Submitted</strong></td>
</tr>
<tr>
<td>Preference Card (for Master’s Program)</td>
<td>All Applicants</td>
<td>Preference Card (for Doctoral Program)</td>
</tr>
<tr>
<td>Document Screening Essays (for Master’s Program)</td>
<td>All Applicants</td>
<td></td>
</tr>
<tr>
<td>TOEFL iBT/TOEFL iBT(SHE) Score</td>
<td>All Applicants</td>
<td>(1) Research achievement &amp; plans (written in Japanese or English, no more than 10 A4-sized pages)</td>
</tr>
<tr>
<td>Transfer Application for the Online Written Examinations</td>
<td>Those who request the online examinations for the general education subjects written examination</td>
<td></td>
</tr>
<tr>
<td><strong>Doctoral Course</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Preference Card (for Doctoral Program)</td>
<td>All Applicants</td>
<td>Preference Card (for Doctoral Program)</td>
</tr>
<tr>
<td>TOEFL iBT/TOEFL iBT(SHE) Score</td>
<td>All applicants except those who have completed (or are expected to complete) a Master’s program at the University of Tokyo</td>
<td>TOEFL iBT/TOEFL iBT(SHE) Score</td>
</tr>
<tr>
<td><strong>Doctoral Course &lt;Special Selection for Professionals&gt;</strong></td>
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<td>Preference Card (for Doctoral Program)</td>
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<td>All applicants except those who have completed (or are expected to complete) a Master’s program at the University of Tokyo</td>
<td>TOEFL iBT/TOEFL iBT(SHE) Score</td>
</tr>
</tbody>
</table>

- (1) List of achievements
- (2) Outline of main achievements
- (3) Research plan
- (4) Materials related to main achievements
- (5) Recommendation letters (from 2 persons, in the specified form)

*(2)(3) should be combined on about 10 A4-sized pages.*