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# **2020 Admission Guide**

## **Department of Mechano-Informatics**

**Graduate School of Information Science and Technology  
The University of Tokyo**

Master's Program

Doctoral Program

Contact [Department Administration Office]

Engineering Bldg. 2, 3<sup>rd</sup> Floor, 7-3-1 Hongo, Bunkyo-ku, Tokyo 113-8656, JAPAN

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Science Academic Affairs Division, The University of Tokyo. TEL: 03-5841-6302

E-mail: [kyoumu@office.mech.t.u-tokyo.ac.jp](mailto:kyoumu@office.mech.t.u-tokyo.ac.jp)

Under “Prospective Students” on

[https://www.i.u-tokyo.ac.jp/index\\_e.shtml](https://www.i.u-tokyo.ac.jp/index_e.shtml)

click on “Departments and Faculty” → “Mechano-Informatics”

→ “Admissions”

In addition to this brochure, be sure to refer to “2020 Admission Guide: Graduate School of Information Science and Technology, The University of Tokyo.”

## (I) Master's Program

(1) Applicants should refer to the “2020 Admission Guide: Master's Program, Graduate School of Information Science and Technology, The University of Tokyo”.

(2) Preference Card

In the “Preference Card” (for the Master's Program) enclosed with this Guide, indicate your preferences for a thesis advisor, field of study, etc., and submit the card together with other application documents.

(Note: Select at most 10 preferred advisors who are able to accept students from the list in the “Faculty and Laboratories of Department of Mechano-Informatics” section at the end of this brochure. Circle either Yes or No in “do you still pursue enrollment?” column.)

(3) Examination Schedules

a. Written Examination subjects

1) General education subjects

Examination date	Examination times	Examination subjects	Notes:
August 19 (Monday), 2019	10:00 – 12:30	Mathematics	Examination locations will be noticed when the examination admission card is delivered by postal mail.

2) Foreign languages

As an examination on foreign language, English proficiency will be evaluated based on submitted TOEFL scores. For details of how to submit TOEFL scores, refer to the “2020 Admission Guide: Master's Program, Graduate School of Information Science and Technology, The University of Tokyo”.

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3) Specialized subjects

Examination date	Examination times	Examination subjects	Examination content	Notes:
August 19(Monday), 2019	14:00 – 16:00	Mechano-Informatics (subject)	One problem in mechanics-related fields (mechanical dynamics, control, mechatronics, robotics) and another one in information-related fields (fundamentals of information science, digital circuits, computers, software) will be provided. Applicants must choose and solve one problem among them. Additionally, Applicants must solve one basic problem related to mechano-informatics.	Examination locations will be posted on the Department bulletin board on the third floor of Engineering Bldg. 2 and Department web page around 10:00 a.m. on August 16(Friday).

Supplementary information may be provided on the following web page. Be sure to check:

[https://www.i.u-tokyo.ac.jp/edu/course/m-i/admission\\_e.shtml](https://www.i.u-tokyo.ac.jp/edu/course/m-i/admission_e.shtml)

b. Oral Examination

Examination date	Examination times	Examination subjects	Notes:
August 23 (Friday), 2019	Between 9:00 a.m. and 6:00 p.m.	Mechano-Informatics (Oral Examination)	The schedule of the Oral Examination will be announced on the web site until 12 p.m. on August 22th (Thursday). The details will be handed out after the Examination on August 19(Monday).

(4) Important Notes

- a. In the written examinations, applicants are allowed to use only writing instruments (black (mechanical/wooden) pencils), pencil sharpeners, erasers, and a watch or clock (with no extra functions other than timing). No other instruments can be used under any circumstances.
- b. Applicants wishing to enter the School in September must confirm their eligibilities with the Department Administration Office before submitting their applications.
- c. For other notes, carefully read the “Notes for Examinees” section of this guide.

## **(II) Doctoral Program**

(1) Applicants should refer to the “2020 Admission Guide: Doctoral Program, Graduate School of Information Science and Technology, The University of Tokyo”, and must receive a guidance from their prospective thesis advisor before submitting their applications.

(2) Preference Card

After consulting with your prospective thesis advisor, indicate your preferences for a thesis advisor, field of study, etc., on the “Preference Card (Doctoral Program)” enclosed with this Guide, and submit the card together with other application documents.

(3) Application Period

Note that different application periods are scheduled for Summer and Winter Examinations. For details on the application periods, refer to the “2020 Admission Guide: Doctoral Program, Graduate School of Information Science and Technology, The University of Tokyo”.

(4) Examination Schedules

a. Summer Examinations

1) Primary Examinations

Examination date	Examination times	Examination subjects	Notes:
August 19(Monday), 2019	14:00– 16:00	Written Examination Mechano-Informatics (subject)	This examination will not be conducted for applicants who have completed (or are expected to complete) a master’s program in a scientific or engineering school at the University of Tokyo or working student applicants who exempted from the written examination based on the judgment. (Be sure to confirm with your prospective thesis advisor whether this applies to you.)  One problem will be provided in mechanics-related fields (mechanical dynamics, control, mechatronics, robotics), and another one in information-related fields (fundamentals of information science, digital circuits, computers, software). Applicants must choose and solve one problem among them. Additionally, Applicants must solve one basic problem related to mechano-informatics (See Note 1).
August 22 (Thursday), 2019	Between 9:00 a.m. and 6:00 p.m.	Oral Examination Mechano-Informatics (Oral Examination)	Detailed schedules will be mailed on August 19 (See Notes 1, 2, and 3).

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As an examination on foreign language, English proficiency will be evaluated based on submitted TOEFL scores. For details of how to submit TOEFL scores, refer to the “2020 Admission Guide: Doctoral Program, Graduate School of Information Science and Technology, The University of Tokyo”.

Applicants who have completed (or are expected to complete) a master's program at the University of Tokyo are not required to submit TOEFL scores.

Supplementary information may be provided on the following web page. Be sure to check:

[https://www.i.u-tokyo.ac.jp/edu/course/m-i/admission\\_e.shtml](https://www.i.u-tokyo.ac.jp/edu/course/m-i/admission_e.shtml)

Note 1. Examination locations will be posted on the Department bulletin board on the third floor of the Engineering Bldg. 2 and Department web page around 10:00 a.m. on August 16(Friday).

Note 2. Oral Examinations for applicants expecting to complete a master’s course in March 2020 will focus on the content and progress of the applicant's Master’s thesis or an equivalent research project, as well as concepts and plans for the prospective doctoral research theme, and the related knowledge in the Mechano-Informatics field. Applicants may use handouts and a PC projector for the presentation, and will be required to answer questions.

Note 3 Oral Examinations for applicants who have completed a master’s program will simultaneously serve as Secondary Examinations. Refer to [Note] on Secondary Examinations below.

2) Secondary Examinations

Secondary Examinations will be conducted for the passers of Primary Examinations, on the completed master’s theses or equivalent research projects.

Secondary Examinations will be scheduled in February in 2020; applicants will be notified of details later.

[Note] Each applicant must bring a copy of one’s master's thesis or an equivalent document, make a presentation on the content of research within a specified time limit, and answer questions. Handouts and a PC projector can be used for the presentation.

b. Winter Examinations

Primary Examinations and Secondary Examinations will be held in February, 2020 to accept a few applicants.

Details on examination methods, schedules, and locations will be posted on the following web page in October:

[http://www.i.u-tokyo.ac.jp/edu/course/m-i/admission\\_e.shtml](http://www.i.u-tokyo.ac.jp/edu/course/m-i/admission_e.shtml)

(5) Applicants for the Special Selection for Professionals (社会人特別選抜) must contact the Department Administration Office before submitting their applications. These applicants must include in the “Application Documents” specified in “2020 Admission Guide: Doctoral Program [Special Selection for Professionals], Graduate School of Information Science and Technology, The University of Tokyo” the

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following six types of materials describing their research and achievements in the field of mechano-informatics. Applicant might be exempted from the written examination by the contents of “Application Documents”. No specific form is provided.

i. The list of research achievements (written in Japanese or English)

Provide a list of academic papers, patents, products, and other evidences of the applicant's achievements accomplished as a part of her/his profession. In the case of collaborative achievements with several persons, clearly indicate the applicant's contributions.

ii. The abstract of the major achievements (written in Japanese or English)

Select up to three major achievements from the list above, and provide the outlines of these achievements in approximately five pages in A4-size.

iii. The research plan in the doctoral program (written in Japanese or English) in approximately two pages in A4-size.

iv. The recommendation letters from two persons who are familiar with research achievement of the applicant (including master's supervisor) (written in Japanese or English).

v. A copy of a master's thesis or an equivalent research report.

vi. The abstract of v. (written in Japanese or English)

vii. The original of each of the other documents which are useful to evaluate the applicant's ability (e.g. copies of published papers, patent specifications or brochures of products by the applicant).

(6) Important Notes

a. In the written examinations, applicants are allowed to use only writing instruments (black (mechanical/wooden) pencils), pencil sharpeners, erasers and a watch (with no extra functions other than timing). No other instruments can be used under any circumstances.

b. Applicants wishing to enter the school in September must confirm their eligibilities with the Department Administration Office before submitting their applications.

c. For other notes, carefully read the “Notes for Examinees” section of this guide.

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**2020 Notes for Examinees (Master's and Doctoral Programs)**  
**Department of Mechano-Informatics**  
**Graduate School of Information Science and Technology, The University of Tokyo**

**1. Examination dates and times**

Please refer to the “Examination schedules” listed in this Guide.

**2. Examination locations**

The University of Tokyo, Hongo Campus (7-3-1 Hongo, Bunkyo-ku, Tokyo)

Refer to Examination location map on the back cover.

By subway:

Marunouchi Line and Oedo Line: Get off at Hongo Sanjome Station

Chiyoda Line: Get off at Nezu Station

Namboku Line: Get off at Todaimae Station

Mita Line: Get off at Kasuga Station

By Bus:

Take Toei Bus No. 43 or 51 to “Todai Seimon Mae” (University of Tokyo Main Gate), or

Toei School Bus No. 1 or 7 to “Todai Konai” (University of Tokyo Campus).

- (1) Information about the buildings where the examination rooms are located will be posted on the Department bulletin board on the third floor of the Faculty of Engineering Bldg. 2 and Department web page around 10:00 a.m. on August 16 (Friday).
- (2) Examinees must be in the designated examination room no later than 15 minutes before the start of the examination. In case of delay, notify the examination supervisor. Separate instructions may be provided on examinations on Mechano-Informatics (Written and Oral) by the department.

**3. What to bring**

- (1) Examination admission card.
- (2) Be sure to bring black pencils (or mechanical pencils), erasers, a pencil sharpener (desktop types are not acceptable), and a watch or clock (with timing function only).
- (3) Separate instructions may be provided on items to bring for the examinations on Mechano-Informatics (Written and Oral) by the department.

Caution: During the examination, all mobile phones must be turned off and stowed away.

**4. Items to keep in mind during examinations**

- (1) Examinees will not be allowed to leave the examination room until the end of the scheduled examination time, even when s/he finishes or relinquishes answering. Temporary leaves during the examination are also prohibited in principle. If you come to feel sick and/or need to use the bathroom, notify the examination supervisor.
- (2) The examination admission card must be placed on the desktop during the examination.
- (3) Examinees will not be allowed to ask questions about the content of the examination problems.
- (4) Enter your examinee's number on all answer sheets. Do not write your name. Enter each answer on the designated sheet. If there is not enough space, you may write on the back of the answer sheet.
- (5) Examinees are not allowed to take answer sheets or problem booklets out of the examination room.

**[Preference card (for Master's Program)]**

Department of Mechano-Informatics, Graduate School of Information Science and Technology, The University of Tokyo

Program	Master's Program			
Examinee's name		*Examinee's number		
Graduating university	University: _____ School: _____ Department: _____			
Contact address during the examination period	TEL: _____ E-mail: _____			
Names of preferred thesis advisor	Preference 1		Preference 6	
	Preference 2		Preference 7	
	Preference 3		Preference 8	
	Preference 4		Preference 9	
	Preference 5		Preference 10	
	If you are not assigned to the preferred advisor listed above, do you still pursue enrollment? <b>Yes / No</b>			
Do you wish to enter the school in September 2019	<b>Yes</b> (Circle "Yes" above if applicable.)			
Field of study and research plan (Describe in as much detail as possible)	<hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>			

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- ◆ Submit this form along with your application.
- ◆ Leave the box denoted by "\*" blank.
- ◆ If you wish to enter the school in September 2019, be sure to confirm your eligibility with the Department Administration Office, and circle "Yes" in the appropriate column above.



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**[Preference card (for Doctoral Program)]**

Department of Mechano-Informatics, Graduate School of Information Science and Technology, The University of Tokyo

Program	Doctoral Program		
Examinee's name		*Examinee's number	
Graduating university or graduate school	University: _____ School: _____ Department: _____ Graduate School: _____ School: _____ Department: _____		
Contact address during the examination period	TEL: _____ E-mail: _____		
Name of prospective thesis advisor		Do you wish to enter the school in September 2019	Yes (Circle "Yes" above if applicable.)
Field of study and research plan (Please describe in as much detail as possible)			

- ◆ Submit this form along with your application.
- ◆ Leave the box denoted by "\*" blank.
- ◆ Note that different application periods are scheduled for the Summer and Winter Examinations. Application documents received outside of the respective application periods shall be deemed invalid.
- ◆ If you wish to enter the school in September 2019, be sure to confirm your eligibility with the Department Administration Office, and circle "Yes" in the appropriate column above.

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“Faculty and Labs Mechano-Informatics” inserted here!

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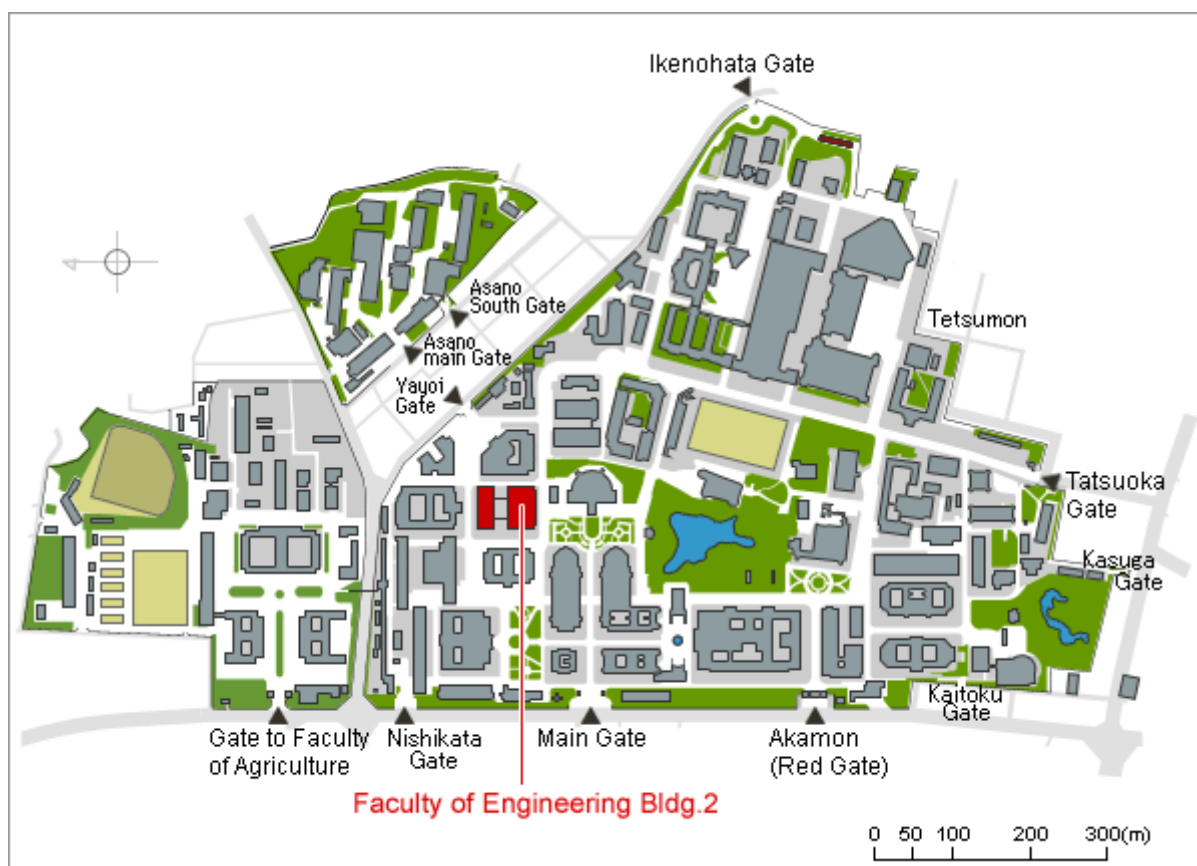
## The University of Tokyo, Hongo Campus

7-3-1 Hongo, Bunkyo-ku, Tokyo 113-8656

### Map of Examination Locations

Graduate School of Information Science and Technology

Department of Mechano-Informatics



By subway:

Marunouchi Line and Oedo Line: Get off at Hongo Sancho Station

Chiyoda Line: Get off at Nezu Station

Namboku Line: Get off at Todai Mae Station

Mita Line: Get off at Kasuga Station

Bus:

Take Toei Bus No. 43 or 51 to “Todai Seimon Mae” (Main Gate of The University of Tokyo), or Toei School Bus No. 1 or 7 to “Todai Konai” (Campus of The University of Tokyo).