

This document is a translation from the Japanese version.

2021 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, 3rd Floor, 7-3-1 Hongo, Bunkyo-ku, Tokyo 113-8656, JAPAN

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Under “Prospective Students” on

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 “2021 Admission Guide: Graduate School of Information Science and Technology, The University of Tokyo.”

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(I) Master's Program

(1) Applicants should refer to the “2021 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 your 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 the “Willingness to enroll” column.)

(3) Expertise Assessment Card

Submit **two-pages document** to assess your expertise regarding research activities, creative activities in a university lecture or practicum, and extracurricular activities.

(4) Examination Schedules

a. Document screening

Document screening will be conducted based on the submitted documents. Regarding the notification of the screening, refer to the Graduate School Application Guidelines.

b. Written Examination subjects

~~1) General education subjects~~

Examination date	Examination times	Examination subjects	Notes:
August 17 (Monday), 2020	10:00—12:30	Mathematics	Examination locations will be written on the examination admission card delivered to you by postal mail.

2) Foreign languages

As an examination of foreign language skills, English proficiency will be evaluated based on submitted TOEFL scores. For details of how to submit TOEFL scores, refer to the “2021 Admission Guide: Master's Program, Graduate School of Information Science and Technology, The University of Tokyo”.

*** Applicants who have difficulty in taking a TOEFL iBT test (SHE) in some unavoidable reasons will not lose their eligibility for our entrance exams even without submitting a TOEFL score. In that case, we may require them to explain the reasons, and their English ability may be evaluated at oral exams. However, in order for us to evaluate the exact skills in academic English of each applicant, we strongly recommend applicants to submit a TOEFL score. (Please refer the web pages of the**

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2021 Admission Guide: Master's Program, Graduate School of Information Science and Technology)

3) Specialized subjects

Examination date	Examination times	Examination subjects	Examination content	Notes:
August 17 (Monday), 2020	14:00 – 16:00	Mechano-Informatics (subject)	One problem on mechanics-related fields (mechanical dynamics, control, mechatronics, robotics) and one on information-related fields (fundamentals of information science, digital circuits, computers, software) will be provided.	Examination locations will be posted on the Department bulletin board on the third floor of Engineering Bldg. 2 and on the Department web page around 10:00 a.m. on August 14 (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

e. Oral Examination

Examination date	Examination times	Examination subjects	Notes:
August 21 (Friday), 2020	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 at 12 p.m. on August 20th (Thursday). The details will be handed out after the Examination on August 17th (Monday).

c. Online Oral Examination

Examination date	Examination times	Examination subjects	Examination content	Notes:
August 17 (Monday), 2020 – August 21 (Friday), 2020	Between 9:00 a.m. and 6:00 p.m.	Mechano-Informatics	Mechano-Informatics (Oral Examination) English presentation of expertise, field of study and research plan (7 minutes) and oral examination. Topics related to linear algebra, analysis (differential/integral calculus, ordinary differential equations, etc.), probability / statistics, mechanics-related fields (mechanical dynamics, control, mechatronics, robotics) and information-related fields (fundamentals of information science, digital circuits, computers, software) might be asked during examination.	The URL of online examination will be posted on the Department web page around 10:00 a.m. on August 14 (Friday).

Notes:

- a. Applicant must prepare a Windows or Mac with camera for the online oral examination
- b. Applicant must prepare slides for the presentation in advance and share the screen during the oral

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examination

(5) 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.
- ~~e. For other notes, carefully read the “Notes for Examinees” section of this guide.~~

Depending on social situations, the s methods of the entrance examinations may be changed in the future. In that case, we will announce it on the webpage of the Department of Mechano-Informatics.

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(II) Doctoral Program

(1) Applicants should refer to the “2021 Admission Guide: Doctoral Program, Graduate School of Information Science and Technology, The University of Tokyo”, and must receive 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 your 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 “2021 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	Examination content	Notes:
August 20 (Thursday, 2020 – August 21 (Friday), 2020	Between 9:00 a.m. and 6:00 p.m.	Mechano-Informatics	Oral Examination Mechano-Informatics (Oral Examination) Topics related to mechanics-related fields (mechanical dynamics, control, mechatronics, robotics) and information-related fields (fundamentals of information science, digital circuits, computers, software) might be asked during examination.	The URL of online examination will be posted on the Department web page around 10:00 a.m. on August 14 (Friday).

Notes:

a. Applicant must prepare a Windows or Mac with camera for the online oral examination

b. Oral Examinations for applicants expecting to complete a Master’s course in March 2021 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 related knowledge in the Mechano-Informatics field. Applicants may share handouts files and presentation materials, and will be required to answer questions.

c. Oral Examinations for applicants who have completed a Master’s program will simultaneously serve

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as Secondary Examinations. Refer to [Note] on Secondary Examinations below.

Examination date	Examination times	Examination subjects	Notes:
August 17 (Monday), 2020	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 are 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 on mechanics-related fields (mechanical dynamics, control, mechatronics, robotics), and one on information-related fields (fundamentals of information science, digital circuits, computers, software).
August 20 (Thursday), 2020	Between 9:00 a.m. and 6:00 p.m.	Oral Examination Mechano-Informatics (Oral Examination)	Detailed schedules will be mailed on August 17th (See Notes 1, 2, and 3).

As an examination of foreign language skills, English proficiency will be evaluated based on submitted TOEFL scores. For details of how to submit TOEFL scores, refer to the “2021 Admission Guide: Doctoral Program, Graduate School of Information Science and Technology, The University of Tokyo”.

* Applicants who have difficulty in taking a TOEFL iBT test (SHE) in some unavoidable reasons will not lose their eligibility for our entrance exams even without submitting a TOEFL score. In that case, we may require them to explain the reasons, and their English ability may be evaluated at oral exams. However, in order for us to evaluate the exact skills in academic English of each applicant, we strongly recommend applicants to submit a TOEFL score. (Please refer the web pages of the 2021 Admission Guide: Master's Program, Graduate School of Information Science and Technology)

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

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 14 (Friday).

Note 2. Oral Examinations for applicants expecting to complete a Master's course in March 2021 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 related knowledge in the

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~~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 those who pass the Primary Examinations, on the completed Master’s theses or equivalent research projects.

Secondary Examinations will be scheduled in February of 2021; applicants will be notified of the 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.

In online oral examination, each applicant must submit a copy of one’s Master’s thesis or an equivalent document according to a later notice, make a presentation on the content of research within a specified time limit, and answer questions. Handouts and presentation materials can be shared for the presentation.

b. Winter Examinations

Primary Examinations and Secondary Examinations will be held in February, 2021 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

(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 “2021 Admission Guide: Doctoral Program [Special Selection for Professionals], Graduate School of Information Science and Technology, The University of Tokyo” the following six types of materials describing their research and achievements in the field of mechano-informatics. Applicants 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 those 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 A4-sized pages.

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- iii. The research plan for the doctoral program (written in Japanese or English) in approximately two A4-sized pages.
- iv. Recommendation letters from two persons who are familiar with research achievements 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 originals of any 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.~~

Depending on social situations, the s methods of the entrance examinations may be changed in the future. In that case, we will announce it on the webpage of the Department of Mechano-Informatics.