

This document is a translation from the Japanese version.

2022 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]

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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 “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 “2022 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), 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. General education subjects

Mathematics examination is conducted. Refer to the admission guide of the Graduate School of Information Science and Technology for its detail.

c. Foreign language (English)

TOEFL iBT/TOEFL iBT(SHE) scores will be used to evaluate the applicants' English skills. For details, refer to “2022 Guidelines for Submission of TOEFL Test Scores; Graduate School of Information Science and Technology, The University of Tokyo,” which is enclosed in the common admission guide.

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d. Specialized subjects and oral examination

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

Examination date	Examination times	Examination subjects	Examination content	Notes:
August 23 (Monday), 2021 – August 27 (Friday), 2021	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 20 (Friday).

(5) Important Notes

- a. Applicant must prepare a Windows or Mac with camera and connect to the Zoom for the online oral examination.
- b. Applicant must prepare slides for the presentation in advance and share the screen during the oral examination.
- c. Applicants wishing to enter the School in October must confirm their eligibilities with the Department Administration Office before submitting their applications.

Depending on social situations, the 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 “2022 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)”, 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 “2022 Admission Guide: Doctoral Program, Graduate School of Information Science and Technology, The University of Tokyo”.

(4) Examination Schedules

a. Summer Examinations

1) Primary Examinations

The oral examination will be held online.

Examination date	Examination times	Examination subjects	Examination content	Notes:
August 23 (Monday, 2021 – August 27(Friday), 2021	Between 9:00 a.m. and 6:00 p.m.	Mechano-Informatics	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 20 (Friday).

Notes:

a. Oral Examinations for applicants expecting to complete a Master’s course in March 2022 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.

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

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 “2022 Admission Guide: Doctoral Program, Graduate School of Information Science and Technology, The University of Tokyo”.

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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 2022; 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, 2022 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 "2022 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.

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.

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- 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. Applicant must prepare a Windows or Mac with camera and connect to the Zoom for the online oral examination.
- b. Applicant must prepare slides for the presentation in advance and share the screen during the oral examination.
- c. Applicants wishing to enter the school in October must confirm their eligibilities with the Department Administration Office before submitting their applications.

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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2022 Notes for Specialized subjects and oral examination of
Department of Mechano-Informatics (Master's and Doctoral Programs)

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

Follow the instructions of the Graduate School for the written examination for the general education subject (Mathematics).

1. Examination dates and times

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

2. Examination locations

The oral examination will be held online.

Information about the online system where the examination rooms are launched will be posted on the Department web page around 10:00 a.m. on August 20 (Friday).

3. What to prepare

- (1) Examination admission card.(Print it out)
- (2) Prepare a Windows or Mac with camera for the online oral examination
- (3) Prepare slides (ex. PowerPoint) for the presentation in advance and share the screen during the oral examination
- (4) Prepare an internet line of sufficient quality. Prepare an environment where no people around and stillness is maintained
- (5) Prepare A4 or above notes, sketchbooks or a whiteboard, and a thin pen, which is required to show the answer in front of the camera and read it remotely, and a thick pen that can be viewed remotely.
- (6) Follow the instructions of the Graduate School for the ‘what to bring’ for the general education subject (Mathematics).

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 start to feel sick and/or need to use the bathroom, notify the examination supervisor.
- (2) The examination admission card must be placed on top of your desk during the examination.
- (3) Reference text books and the Internet etc. are not allowed without permission.
- (4) Do not record the test details. Also, do not tell anything about the test.
- (5) In the unlikely event that misconduct is discovered, the test will be invalidated retroactively.

Follow the instructions and location information of the Graduate School for the written examination for the general education subject (Mathematics).

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[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 info and 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	
Willingness to enroll (circle "Yes" or "No")	If you are not assigned to any of the preferred advisors listed above, will you still pursue enrollment? Yes / No			
Do you wish to enter the school in October 2021?	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 **Examinee's number** box, denoted by "*", blank.
- ◆ If you wish to enter the school in October 2021, be sure to confirm your eligibility with the Department Administration Office, and circle "Yes" in the appropriate column above.
- ◆ There is a possibility you will not pass the examination if you circle "No" in the "Willingness to enroll" box and are not assigned to any preferred advisor.
- ◆ Do not extend to the next page. The font size should be 12pt or larger.

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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 October 2021?	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 **Examinee's number** 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 October 2021, be sure to confirm your eligibility with the Department Administration Office, and circle "Yes" in the appropriate column above.
- ◆ Do not extend to the next page. The font size should be 12pt or larger.

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[Expertise Assessment Card]

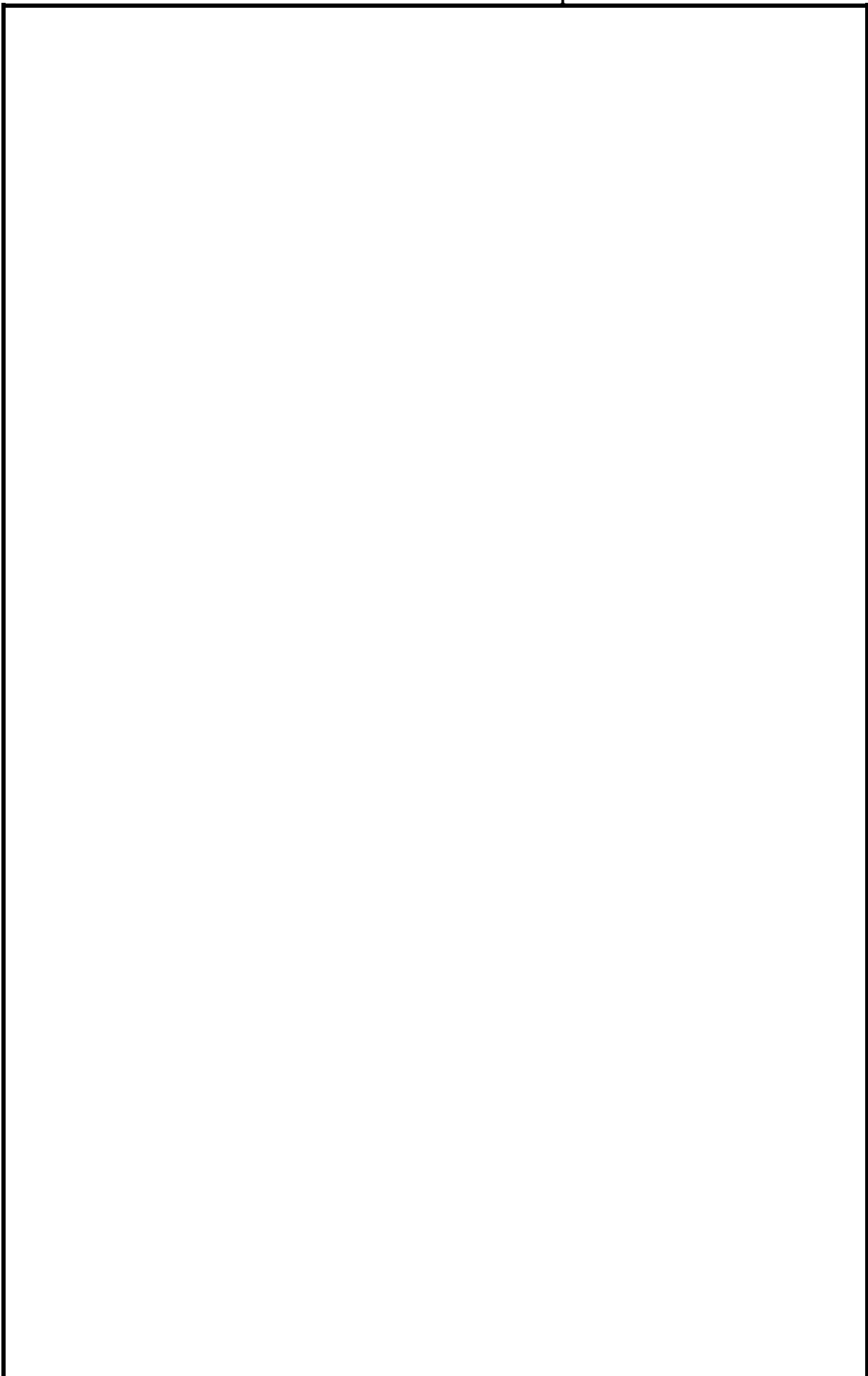
Department of Mechano-Informatics,
Graduate School of Information Science and Technology, The University of Tokyo

Examinee's name :

Examinee's number :

- ◆ Write down the examinee's name. Leave the examinee's number blank.
- ◆ Use this two A4 pages to write your expertise. No additional pages are allowed.
- ◆ Use a computer to prepare this card.
- ◆ The font size should be more than 12 pt. Images and diagrams can also be used.

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“Faculty and Labs Mechano-Informatics” inserted here!

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Required Documents (Department of Mechano-Informatics)				
	Summer Examination		Winter Examination	
	Documents to be Submitted	Who to Submit	Documents to be Submitted	Who to Submit
Master's Course	Preference Card (for Master's Program)	All Applicants	/	
	Expertise Assessment Card	All Applicants		
	TOEFL iBT/TOEFL iBT(SHE) Score	All Applicants		
	Application for the Online Written Examinations	Those who wish to take online written examinations		
Doctoral Course	Preference Card (for Doctoral Program)	All Applicants	Preference Card (for Doctoral Program)	All Applicants
	TOEFL iBT/TOEFL iBT(SHE) Score	All applicants except: *those who have completed (or are expected to complete) a Master's program at the University of Tokyo	TOEFL iBT/TOEFL iBT(SHE) Score	All applicants except those who have completed (or are expected to complete) a Master's program at the University of Tokyo
			(1)A list of research achievement (written in Japanese or English) (2)The abstract of the major achievements (written in Japanese or English, approximately 5 pages in A4-size) (3)Research plan in the doctoral program (written in Japanese or English, approximately 2 pages in A4-size) (4)Recommendation letters (from 2 persons, written in Japanese or English) (5)A copy of a master's thesis or an equivalent research report (6)The abstract of (5) (written in Japanese or English, 2 pages in A4-size) (7)Other documents (e.g. published papers, patent specifications or brochures of products by the applicant)	All Applicants *Those who are expected to complete a master's program should bring (5) with them at the time of the second round exam, not at the application.
	Application for the Online Written Examinations	Those who wish to take online written examinations	Application for the Online Written Examinations	Those who wish to take online written examinations
Doctoral Course <Special Selection for Professionals>	Preference Card (for Doctoral Program)	All Applicants	Preference Card (for Doctoral Program)	All Applicants
	TOEFL iBT/TOEFL iBT(SHE) Score	All applicants except those who have completed (or are expected to complete) a Master's program at the University of Tokyo	TOEFL iBT/TOEFL iBT(SHE) Score	All applicants except those who have completed (or are expected to complete) a Master's program at the University of Tokyo
	(1)A list of research achievement (written in Japanese or English) (2)Certificate of employment, Certificate of Completion from previous graduate school (Applicants who already finished a Master's course) (3)The abstract of the major achievements (written in Japanese or English, approximately 5 pages in A4-size) (4)Research plan in the doctoral program (written in Japanese or English, approximately 2 pages in A4-size) (5)Recommendation letters (from 2 persons, written in Japanese or English) (6)A copy of a master's thesis or an equivalent research report (7)The abstract of (6) (written in Japanese or English, 2 pages in A4-size) (8)Other documents (e.g. published papers, patent specifications or brochures of products by the applicant)	All Applicants *Those who are expected to complete a master's program should bring (5) with them at the time of the second round exam, not at the application.	(1)A list of research achievement (written in Japanese or English) (2)Certificate of employment, Certificate of Completion from previous graduate school (Applicants who already finished a Master's course) (3)The abstract of the major achievements (written in Japanese or English, approximately 5 pages in A4-size) (4)Research plan in the doctoral program (written in Japanese or English, approximately 2 pages in A4-size) (5)Recommendation letters (from 2 persons, written in Japanese or English) (6)A copy of a master's thesis or an equivalent research report (7)The abstract of (6) (written in Japanese or English, 2 pages in A4-size) (8)Other documents (e.g. published papers, patent specifications or brochures of products by the applicant)	All Applicants *Those who are expected to complete a master's program should bring (5) with them at the time of the second round exam, not at the application.
	Application for the Online Written Examinations	Those who wish to take online written examinations	Application for the Online Written Examinations	Those who wish to take online written examinations