AY2021 Entrance Examination Guide
Department of Electrical Engineering and Information Systems (EEIS)

Master's Program Entrance Examination Guide

1. Examination Dates and General Information

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<th>Subject</th>
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<td>Specialized subject (Electrical &amp; Electronic Engineering and Information Engineering)</td>
<td>Monday, August 24 9:30 - 12:00</td>
<td>The examination is conducted online. Before the examination, the examinees must prepare necessary equipment for the examination (a computer, a camera, an earphone, etc.) in advance. In addition, secure a broadband Internet connection necessary to take the online examination. At the end of the examination, the examinees will be asked to upload the captured images of the answer sheets, so please prepare the equipment (a camera, a smartphone, etc.) necessary for this process in advance.</td>
<td>Refer to 2 (1)</td>
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<td>Oral examination</td>
<td>Tuesday, August 25 13:00 - 18:00 or Wednesday, August 26 8:00 - 18:00 or Thursday, August 27 8:00 - 18:00 (tentative)</td>
<td>The examination is conducted online. Before the examination, the examinees must prepare necessary equipment for the examination (a computer, a camera, an earphone, and etc.) in advance. In addition, secure a broadband internet connection necessary to take the online examination.</td>
<td>Refer to 2 (2)</td>
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Notes:
- The entrance examination of this year is conducted online.
- In this year, our written examinations do not include English or Regular education subject (mathematics).
- Depending on the number of applicants, preliminary selection may be made based on the “2021 Questionnaire, Department of Electrical Engineering and Information Systems” and “Transcripts and Grade Summary Sheets” of the applicants. The result of the preliminary selection will be posted on the department homepage (http://www.eeis.t.u-tokyo.ac.jp/en/index.html) on August 10, 2020.
- The applicants will be informed of the details of the online examinations of Specialized subject and the Oral examination by email or other means after the deadline of the application for the entrance examination.
- There is no master's program examination on Friday, August 28, 2020.
2. Examination Subjects

(1) Specialized Subject (Electrical & Electronic Engineering and Information Engineering)
The test will cover basic knowledge needed to conduct graduate-level research in electrical & electronic engineering and information engineering. From the entrance exams in the academic year of 2020, to encourage the participation of applicants with backgrounds other than electrical/electronic engineering and computer science, we revise the structure of Specialized subject examinations and reduce the required number of problems to choose: examinees are requested to choose and answer two problems out of the following six problems in Specialized subject:

Electromagnetism, Electrical Circuits, Information (I), Information (II), Solid-State Physics, and Control and Electric Energy Engineering.

For details, please refer to the department homepage (http://www.eeis.t.u-tokyo.ac.jp/en/index.html).

Before taking the examination, prepare the admission card and necessary equipment for the online examinations (a computer, a camera, an earphone, a broadband Internet connection, etc) in advance. The examinees are not allowed to use a tablet or mobile device instead of a computer. Before starting the examinations, the examinees will be asked to connect to the designated URL at the designated time that will be notified before the examination. Following the instructions of the examiner, the applicants will download examination problems to their own computer. During the examinations, the examinees are allowed to use only sharpened black (or mechanical) pencils, answer sheets (the style and number of the answer sheets are not specified), erasers, pencil sharpeners, rulers, and watches equipped with only the timekeeping function. The examinees are not allowed to use electronic devices, information devices, dictionaries, textbooks, or any other items that can help to answer the questions in the examination. The examinee may use the computer only to view the questions. At the end of the examination, the examinees will be asked to upload captured images of the answer sheets, so please prepare the equipment (a camera, a smartphone, etc.) necessary for this process in advance.

During the examination, the examinees must be alone in a room with no one else entering. Taking the examination in a public place, such as a park, an Internet cafe, or a restaurant, is not allowed.

(2) Oral Examination
An oral examination is conducted as a part of the application process. Similar to the Specialized Subject test, prepare the admission card and necessary equipment for the online examination. During the examination, the examinees must be alone in a room with no one else entering. Taking the examination in a public place, such as a park, an Internet cafe, or a restaurant, is not allowed. The examinee's motivation for the application, their undergraduate research theme, basic knowledge of the field to which they are applying, and the results of the written examinations will be some of the topics covered during the oral examination. Please fill in all the necessary information in the “2021 Questionnaire, Department of Electrical Engineering and Information Systems” for the master's program and submit the questionnaire along with the application form.

3. Supervisor Preference Survey
The supervisor preference survey will be conducted online at the time of the application for the entrance examination. (Note that supervisor preference survey will not be conducted after the Specialized Subject test in this year.) Applicants to the master's program must fill out the “2021 Department of Electrical Engineering and Information Systems Supervisor Preference Survey” to confirm their final supervisor preference. The supervisor assignment is conducted in the fairest manner possible based on this list, regardless of whether or not the applicant is currently enrolled in The University of Tokyo's Department of Information and Communication Engineering, or Department of Electrical and Electronic Engineering. In some cases, an applicant may be assigned to a supervisor who he/she does not list in the survey. If an applicant is a research student who already belongs to a laboratory listed in p. 15-20 of AY2021 Guide to Entrance Examinations, he/she must list his/her current host professor as the first choice.
Applicants who pass the examination will be notified of their supervisor assignment in a timely manner. Applicants who pass the examination and decide not to enroll in the graduate school should notify the Graduate School Team at the Office of Academic Affairs by submitting a document (Letter Declining Offer of Admission) as soon as possible.

4. **Important Notice**

   Successful applicants will join the department that their supervisor belongs to.

   Successful applicants will be given the option of starting their program in September, provided that the applicants fulfill the entrance requirements designated by the School of Engineering.

   Entrance examination results may be utilized for the improvement of future entrance examinations and education at the University of Tokyo.

   The Department of Electrical Engineering and Information Systems cannot facilitate a visa for applicants who wish to take the entrance examination.

5. **2021 Questionnaire, Department of Electrical Engineering and Information Systems**

   For our reference during the oral examination, explain your reasons for choosing your desired supervisor(s) and research field(s). Additionally, please describe the theme of your graduation research and plans following graduation.

6. **Transcripts and Grade Summary Sheets for Undergraduate Courses and Equivalents**

   Transcripts for undergraduate courses (or equivalents) are mandatory for all applicants including (expected) graduates of the Faculty of Engineering, the University of Tokyo. Please submit a “Grade Summary Sheet for Undergraduate Courses and Equivalents” along with your transcripts. Read the information on the reverse side of the sheet carefully, and fill in the sections correctly.

7. **Applications from Other Universities or Study Backgrounds**

   Department of Electrical Engineering and Information Systems aims to foster talents that can contribute to solving global challenges and creating novel values of technology through the inclusion of researchers with a wide variety of backgrounds such as electrical engineering, computer science, physics, material science, chemistry, energy/environmental engineering, control engineering, and space engineering. To encourage the participation of applicants with backgrounds other than electrical/electronic engineering and computer science, we revise the structure of Specialized subject examinations and reduce the required number of problems to choose, from the entrance exams in the academic year of 2020. We are looking forward to working with students from different universities with various knowledge, experience, and research interests.