

**NOTES:**

- ✓ **This document is a translated version of the “AY2020 Guide to Entrance Examinations, Department of Electrical Engineering and Information Systems (EEIS), Graduate School of Engineering, The University of Tokyo” in Japanese. The guide in Japanese is regarded as the official version. This English translation is provided for the convenience of applicants.**
- ✓ The Department of Electrical Engineering and Information Systems cannot facilitate a visa for applicants who wish to take the entrance examination.

**AY2020 Entrance Examination Guide**  
**Department of Electrical Engineering and Information Systems (EEIS)**

**Master’s Program Entrance Examination Guide**

**1. Examination Dates and General Information**

Subject	Schedule	Venue	What to bring	Notes
English (TOEFL-ITP)	Monday, August 26 9:00 - 11:30	Venue info can be found in the “Foreign Language Examination Guide” enclosed in the examination packet.	Admission card, sharpened black (or mechanical) pencils, eraser, pencil sharpener, ruler, watch equipped with time-keeping function only.	Applicants who have submitted an official TOEFL-iBT or TOEFL-PBT score cannot take this English test.
Regular education subject (mathematics)	Monday, August 26 13:00 - 15:30	Venue info can be found in the “Regular Education Subject Examination Guide” enclosed in the examination packet.	<b>Note:</b> use of calculators, watch calculators, cell phones, and dictionaries is not allowed.	Please refer to 2 (1)
Supervisor preference survey (sheet distribution)	Monday, August 26 15:30 - 16:30	Engineering Bldg. 2 Lecture room 241	Admission card	Please refer to 2 (3)
Specialized subject (Electrical & Electronic Engineering and Information Engineering)	Tuesday, August 27 9:00 - 12:30	Engineering Bldg. 2 Lecture room 241 Lecture room 242 Lecture room 243 Lecture room 244	Admission card, sharpened black (or mechanical) pencils, eraser, pencil sharpener, ruler, watch equipped with time-keeping function only. <b>Note:</b> use of calculators, watch calculators, cell phones, and dictionaries is not allowed.	Please refer to 2 (2)
Supervisor preference survey (sheet collection)	Tuesday, August 27 12:30 - 13:00	Engineering Bldg. 2 Lecture room 241 Lecture room 242 Lecture room 243 Lecture room 244	Admission card, Supervisor Preference Survey (distributed on the previous day)	Please refer to 2 (3)
Oral examination	Tuesday, August 27	Waiting room: Engineering Bldg. 2	Admission card	Please refer to 2 (4)

	14:00 - 18:00 or Wednesday, August 28 9:30 - 18:00 (tentative)	Lecture room 241  Examination room information will be posted on August 26.		
<b>Notes:</b> - Examinees need to enter the examination room 20 minutes before the examination begins. - The venue for the "English (TOEFL-ITP)" examination will also be posted on the School of Engineering bulletin board (Engineering Bldg. 8) on Friday, August 23, 2019 at 10:00 AM. - Please check the Department of EEIS bulletin board (Engineering Bldg. 2 old annex, 4 <sup>th</sup> floor) for any updates or changes to room assignments. - There is no master's program examination on Thursday, August 29, 2019.				

## 2. Examination Subjects

Examination subjects (other than English) for master's program applicants are as follows.

### (1) Regular Education Subject (Mathematics)

For details, please check "Application Guidelines" for master's programs provided by the Graduate School of Engineering, the University of Tokyo. Past examination problems are downloadable at the following pages:

<http://www.t.u-tokyo.ac.jp/soee/admission/general.html>

[https://www.t.u-tokyo.ac.jp/soe/admission/general\\_past.html](https://www.t.u-tokyo.ac.jp/soe/admission/general_past.html)

### (2) 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.

Examinees are requested to choose and answer two problems from Specialized Subject I and two problems from Specialized Subject II.

- Specialized Subject I: Choose and answer two problems out of four (problem subjects include electromagnetism, circuits, information theory, algorithms and programming).
- Specialized Subject II: Choose and answer two problems out of six (problem subjects include computer architecture and digital circuits, communication technology and signal processing, solid-state physics, semiconductor devices, control engineering and electric machinery, electric power and energy system).

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

### (3) Distribution and Collection of Supervisor Preference Survey

Applicants to the master's program will be given the "2020 Department of Electrical Engineering and Information Systems Supervisor Preference Survey" (a computer-scored sheet) after the Regular Education Subject test (mathematics). Applicants must fill out the form and submit it after the Specialized Subject test (Electrical & Electronic Engineering and Information Engineering) held on the next day (see "3. Supervisor Preference Survey" for details).

### (4) Oral Examination

An oral examination is conducted as a part of the application process. The examinee's motivation for applying, 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 "2020 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**

Applicants to the master's program must fill out the "2020 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 has not listed in the survey. If an applicant is a research student who already belongs to a laboratory listed in p. 12-17 of AY2020 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 in the electrical engineering major 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. 2020 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). (It does not matter if the description differs from the one in the "Supervisor Preference Survey," which will be distributed during the examination.) Additionally, please describe the theme of your graduation research and plans following graduation.

### **6. Transcripts and Grade Summary Sheets for Undergraduate Courses and Equivalent**

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 Equivalent" 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**

The Department of Electrical Engineering and Information Systems at the University of Tokyo encourages candidates from other universities and a wide variety of different background studies to apply to our program. The department aims to promote diversity among students.