

This document is a translation from the official Japanese version.

2018 Admission Guide
University of Tokyo Graduate School of
Information Science and Technology
Department of Creative Informatics

Contact [Department Administration Office]

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Internet Guide to Entrance Examinations:

http://www.i.u-tokyo.ac.jp/index_e.shtml Under “QUICK LINKS” on the homepage
[http://www.i.u-tokyo.ac.jp/index_e.shtml], click on “How to apply”

Note 1: In addition to this pamphlet, be sure to check items for examinees in the Guidelines for Applicants for the Graduate School of Information Science and Technology (three versions exist: Master’s program, Doctoral program, and Doctoral program [Special selection for working students]), as well as the Graduate School of Information Science and Technology Guidelines for Submission of TOEFL Test Scores. When submitting entrance application documents, use the original forms distributed along with other paper documents; do not use a printed version of the Web page.

Note 2: The Department of Creative Informatics conducts Summer entrance examinations and Winter entrance examinations for both the Master’s and Doctoral programs. Schedules, examination subjects, and examination methods differ for Summer and Winter entrance examinations.

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1. Message for applicants

The Department of Creative Informatics is the newest Department within the comparatively new Graduate School of Information Science and Technology. It was founded in 2005. The Department of Creative Informatics currently incorporates aspects of five fields: Computer Science, Mathematical Informatics, Information Physics and Computing, Information and Communication Engineering, and Mechano-Informatics. The educational philosophy is “To refine practical creativity for realizing outstanding ideas, through creative practices over interdisciplinary fields. To achieve this goal, the Department will combine projects and advanced personnel training, and will promote collaborations among industry, government, and academia aimed at human resource cultivation. We hope that students completing this Department's program will play a leading role in the field of information technology.

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2. Master's program

2.1 Examination schedules and examination subjects

i) Summer entrance examination

(1) Regular education subjects

Applicants must select either Mathematics or Programming at the time of application.

Dates, times, and locations (Locations will be posted at the main entrance to the School of Engineering Bldg. No. 6 on the day of the examination)	Examination subjects	Description
Monday, August 21, 2017 10:00 – 12:30 School of Engineering; Bldg. No. 6 (Refer to posting for details)	Mathematics	Students will be required to answer problems that will test basic mathematical abilities required for basic studies of information science and technology. Detailed description is on the admission guide of the graduate school of information science and technology.
Monday, August 21, 2017 10:00 – 12:30 13:30 – (Finishing time for afternoon session will depend on the number of examinees) School of Engineering; Bldg. No. 6 (Refer to posting for details)	Programming	In the morning session, students will be required to bring their own laptop PC and write a program based on a specified theme. Students may use whichever programming language they feel most comfortable with. In the afternoon, students will be required to respond to simple oral questions regarding their own programs. The oral examination in the afternoon will also test the students' ability to analyze problems, create designs, produce documents, and give presentations.

Notes:

An operating environment required to write programs will be installed in the laptop PCs used for programming examination. Students may bring in one printed book about programming, and may refer to this book during the examination. Students may also use source programs, libraries, and other resources stored in the PC. Connecting the PC to any network will be prohibited during the examination. Confirm that the PC can read from and write to a USB flash drive (type A).

(2) Foreign languages

TOEFL scores will be used to determine the student's English skills. No written English examination will be administered. Refer to the Guidelines for Submission of TOEFL Test Scores, which are provided separately from this guide. Note that in past years, it took a considerable amount of time to submit TOEFL score certificates. If a student is unable to take the TOEFL test for unavoidable reasons, the designated TOEFL-ITP test (August 1, Tuesday, 2017) may be taken as a substitute. For details,

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refer to the Guidelines for Submission of TOEFL Test Scores.

(3) Specialized subjects

Students shall select one of the following five specialized subjects at the time of application. Students being tested in specialized subjects for other departments should refer to their Entrance Examination Guides for details on locations and subject matters of those examinations.

Subject	Dates, times, and locations	Description
Creative Informatics	Tuesday, August 22, 2017 10:00 – 12:30 School of Engineering Bldg., No. 6	Problems will be selected from fields related to software/algorithms, computer hardware, and information systems, among other fields. Students will be required to answer three questions.
Computer science	Refer to the “Department Entrance Examination Guide” for the Department of Computer Science.	
Mathematical Informatics	Refer to the “Department Entrance Examination Guide” for the Department of Mathematical Informatics.	
Information Physics and Computing	Refer to the “Department Entrance Examination Guide” for the Department of Information Physics and Computing.	
Information and Communication Engineering	Refer to the “Department Entrance Examination Guide” for the Department of Information and Communication Engineering.	

(4) Oral examination

The oral examination is scheduled to be held in the School of Engineering Bldg. No.6 on Wednesday, August 23 2017, starting at 1:30 p.m. (finishing time will depend on the number of examinees). Students will be provided with a rough schedule for the oral examination in advance, but the detailed schedule will be posted on the day of the examination, in front of the room where the oral examination are held, depending on the actual examination progress. In the oral examination, students will be required to answer questions on topics including the content of the written examination, current research themes, and research themes they desire to undertake in graduate school.

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ii) Winter entrance examination

(1) Regular education subjects

Unlike the Summer entrance examination, the Winter entrance examination will cover programming only.

Dates, times, and locations (Locations will be posted at the main entrance to the School of Engineering Bldg. No. 6 on the day of the examination)	Examination subjects	Description
Thursday, February 8, 2018 9:30 – 12:00 13:00 – (Finishing time for the afternoon session will depend on the number of examinees) School of Engineering, Bldg. No.6 (Refer to posting for details)	Programming	Refer to explanation of Summer entrance examination

Note: Refer to explanation of Summer entrance examination

(2) Foreign languages

TOEFL scores will be used to determine the student's English skills. No written English examination will be administered. Refer to the Guidelines for Submission of TOEFL Test Scores, which are provided separately from this guide. Note that in past years, it took a considerable amount of time to submit TOEFL score certificates. Please note that only TOEFL scores will be accepted for the foreign-language segment of the Winter entrance examination. Students will not be allowed to take the TOEFL-ITP test in lieu of submitting TOEFL scores, so applicants are strongly urged to take the TOEFL test at the earliest possible date.

(3) Specialized subjects

Unlike the Summer entrance examination, students cannot take examination for specialized subjects of other departments.

Dates, times, and locations	Specialized subjects	Description
Wednesday, February 7, 2018 14:00 – 16:30 School of Engineering, Bldg. No.6,	Creative Informatics	Problems will be selected from fields related to software/algorithms, computer hardware, and information systems, among other fields. Students will be required to answer three questions.

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(4) Oral examination

Oral examination is scheduled to be held in the School of Engineering Bldg.No.6 on Friday, February 9, 2018, starting at 10:00 a.m. (tentative. finishing time will depend on the number of examinees). Students will be provided with a rough schedule for the oral examination in advance, but the detailed schedule will be posted on the day of the examination, in front of the room where the oral examination are held, depending on the actual examination conditions. In the oral examination, students will be required to answer questions on topics including the content of the written examination, past research themes, and desired research topics to be undertaken in graduate school.

2.2 Submission of Preference survey form

Applicants must submit the Preference survey form (Summer and Winter entrance examinations for the Master's program) along with other application materials.

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3. Doctoral program / Doctoral program [Special selection of working students]

3.1 Examination schedules

i) Summer entrance examination

(1) First round examination

Dates, times, and locations (In the event of changes in examination locations, locations will be posted at the main entrance to the School of Engineering Bldg. No. 6 on the day of the examination)	Examination subjects	Description
Tuesday, August 22, 2017 10:00 – 12:30 School of Engineering; Bldg. No.6,	Specialized subjects	Problems will be selected from fields related to software/algorithms, computer hardware, and information systems, among other fields. Students will be required to answer three questions.
Tuesday, August 22, 2017 From 2:00 p.m. (Finishing time will depend on the number of examinees) School of Engineering; Bldg. No.6, (Students will be provided with a rough schedule for the oral examination in advance, but the detailed schedule will be posted on the day of the examination, depending on the actual examination progress.)	Oral examination	Students will be required to give a presentation on their Master's thesis or equivalent paper (about 15-20 min.; projector can be used), then will be required to answer oral questions on the presentation. Students should also be prepared to answer oral questions about their research plan for the Doctoral program.

Notes:

(a) TOEFL scores will be used to determine the student's English skills. No written English examination will be administered. Refer to the Guidelines for Submission of TOEFL Test Scores, which are provided separately from this guide. Note that in past years, it took a considerable amount of time to submit TOEFL score certificates. If a student is unable to take the TOEFL test for unavoidable reasons, the designated TOEFL-ITP test (Tuesday, August 1, 2017) may be taken as a substitute. For details, refer to the Guidelines for Submission of TOEFL Test Scores.

(b) Persons who have completed or are expected to complete a University of Tokyo Graduate School of Information Science and Technology Master's program will neither be required to submit TOEFL scores nor to take the examination for specialized subjects.

(2) Second round examination

In principle, second round examination will be held from Thursday, January 18 to Friday, January 19, 2018, only for applicants for the Summer entrance examination who are currently registered with the Department of Creative Informatics and who are taking examination for the Master's program.

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Examination schedules for other examinees will be in accordance with the Winter entrance examination. Applicants will be notified later regarding details of schedules and locations. In the case of persons wishing to enter the school in September and persons holding a Master's degree at the time of application, the second round examination will be conducted based on the schedule for the oral examination.

ii) Winter entrance examination

First and second round examinations will be conducted during the period from Wednesday, February 7 to Friday 9, February, 2018. Acceptance may be limited to a few students. Examination methods will be the same as those used for Summer entrance examination. Details of schedules and locations will be in accordance with the first and third days of the Master's program Winter entrance examination schedule. Note that only TOEFL scores will be accepted for the foreign-language segment of the Winter entrance examination. Students will not be allowed to take the TOEFL-ITP test in lieu of TOEFL scores, so applicants are strongly urged to take the TOEFL test at the earliest possible date.

3.2 Preference surveys for applicants to the Doctoral program

Persons applying to the Doctoral program should keep in close contact with their preferred faculty advisor before the application period. Applicants must submit the Preference survey form (for the Doctoral program) along with other application materials. Students who have tentatively fulfilled the requirements for the Doctoral program, that is, who have passed the examination informally, will immediately be assigned a tentative faculty advisor.

3.3 Submission documents for the Doctoral program [Special selection for working students]

The format for the "overview of achievements, etc.," is indicated in Chapter 5 in the Documents for submission in the Doctoral program [Special selection for working students] Guidelines for Applicants. Provide a simple explanation of each major achievement during employment, using no more than two A4 size pages.

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2018

University of Tokyo Graduate School of Information Science and Technology
Department of Creative Informatics
Information for persons taking the entrance examination
(Master's and Doctoral programs)

1. Examination dates and times

Refer to the “Examination schedules” listed in this guide.

2. Examination locations

University of Tokyo, Hongo Campus (7-3-1 Hongo, Bunkyo-ku, Tokyo) Refer to the Internet Hongo Campus map at http://www.u-tokyo.ac.jp/campusmap/map01_01_e.html

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” (University of Tokyo main gates), or Toei School Bus No. 1 or 7 to “Todai Konai” (University grounds).

Examinees should be in the designated examination room no later than 5 minutes before the start of the examination. If you are late, consult the proctor.

3. What to bring

(1) Examination admission card

(2) Black lead pencil (or black lead mechanical pencil), eraser, pencil sharpener, clock or watch (for consulting time only; devices with other functions are not acceptable).

Note: During the written examination, students are not allowed to use calculators, mobile phones or PHS phones, or other digital devices (including clocks) with calculation functions.

(3) Persons taking the programming examination for the Master's program should bring a laptop PC and no more than one book about programming.

4. Items to keep in mind during examination

(1) Once the exam started, you should not exit the room, even if you finished answering all the questions or decided to give up taking the exam.

(2) As a general rule, you should not exit the room during the exam, even temporarily. Request for a permission when you feel sick or need to use a bathroom.

(3) Examination admission cards must be kept on the desktop throughout the examination period.

(4) During the examination period, and all mobile phones must be turned off. Mobile phones must not be carried on the examinee's person (on neck straps, in pockets, etc.).

(5) Examinees will not be allowed to ask questions about the contents of the examination problems.

(6) Examinees must write their examination admission number and name on all answer sheets, and enter their answers on the designated forms. If there is not enough space, they may write on the back of the answer sheets.

(7) Examinees must not take answer sheets or question booklets out of the examination room.

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[Preference Card (Summer entrance examination for Master's program)]

University of Tokyo Graduate School of Information Science and
Technology, Department of Creative Informatics

Program	Master's program				
Examinee's name		*Examination admission number			
Graduating university	University: _____ School: _____ Department: _____				
Examinee contact address and phone number during the examination period	Address: TEL: TEL (mobile phone): E-mail:				
Names of preferred advisors	Preference 1		Preference 2		
	Preference 3		Preference 4		
Intention (Check)	I accept enrollment if another advisor offers to serve as my supervisor		I do not accept enrollment if another advisor offers to serve as my supervisor		
Regular education subjects to be tested	Mathematics	Programming	Do you wish to enter the school in September 2017?	Yes	
Specialized subjects to be tested on the examination (Check)	Creative Informatics	Computer science	Mathematical Informatics	Information Physics and Computing	Information and Communication Engineering
Preferred field and research ambitions					

- Submit this form along with your application.
- * Leave this box blank
- If you wish to enter the school in September 2017, confirm whether the requirements are satisfied with the administration office and circle "Yes" in the appropriate column above.
- Circle one regular education subject and one specialized subject to be tested.

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[Preference Card (Winter entrance examination for Master's program)]

University of Tokyo Graduate School of Information Science and
Technology, Department of Creative Informatics

Program	Master's program		
Examinee's name		*Examination admission number	
Graduating university	University: _____ School: _____ Department: _____		
Examinee contact address and phone number during the examination period	Address: TEL: TEL (mobile phone): E-mail:		
Names of preferred advisors	Preference 1		Preference 2
	Preference 3		Preference 4
Intention (Check)	I accept enrollment if another advisor offers to serve as my supervisor		I do not accept enrollment if another advisor offers to serve as my supervisor
Preferred field and research ambitions			

- Submit this form along with your application
- * Leave this box blank.

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[Preference Card (Summer/Winter entrance examination for Doctoral program)]
**University of Tokyo Graduate School of Information Science and
 Technology, Department of Creative Informatics**

Program	Doctor's program		
Examinee's name		*Examination admission number	
Graduating university or graduate school	University: _____ School: _____ Department: _____ Graduate School: _____ School: _____ Department: _____		
Examinee contact address and phone number during the Examination period	Address: TEL: TEL (mobile phone): E-mail:		
Names of preferred advisors			
Application period (Circle the appropriate response)	Summer / Winter	Special selection for working students	Working student
Preferred time of entry (Circle the appropriate response)	September 2017 / April 2018		
Preferred field and research ambitions			

- Submit this form along with your application.
- * Leave this box blank.
- If you wish to enter the school in September 2017, confirm whether the requirements are satisfied with the administration office and circle "Yes" in the appropriate column.
- If you are taking examination for "Special selection of working students," circle "Working student" in the "Special selection of working students" column.

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University of Tokyo Graduate School of Information Science and
Technology, Department of Creative Informatics
Faculty Advisors and Concurrent Faculty Advisors (as of April 2017)

Faculty Advisors

- Professor Shigeru Chiba
Programming Languages, Software Infrastructure
- Professor Takeo Igarashi
User Interface, Computer Graphics
- Professor Kenji Yamanishi
Information-theoretic Learning Theory, Data Mining, Anomaly Detection
- Professor Masatoshi Ishikawa
Perception Action Systems, Vision Chip
- Professor Hiroshi Esaki
Smart Internet, Sensor Network
- Professor Masayuki Inaba
Intelligent Robots, Humanoids
- Associate Professor Mary Inaba
Networks, Supercomputers, Computational Geometry
- Assistant Professor Hideki Nakayama
Machine Perception, Computer Vision, Pattern Recognition
- Assistant Professor Toshiya Hachisuka
Computer Graphics, Computational Statistics

Concurrent Faculty Advisors who belong to other departments

- Associate Professor Shinpei Kato (Dept. of Computer Science)
Operating Systems, Supercomputing, Autonomous Driving
- Professor Takayasu Matsuo (Dept. of Mathematical Informatics)
Software for Numerical Computation
- Professor Hiroshi Saruwatari (Dept. of Information Physics & Computing)
Speech and Acoustic Information Processing, Statistical Signal Processing,
Machine Learning
- Professor Shuichi Sakai (Dept. of Information & Communication Engineering)
Computer Systems and Applications
- Professor Tatsuya Harada (Dept. of Mechano-Informatics)
Real World Intelligent Systems

Note:

Other advisors who accept students of the Department of Creative Informatics will be registered as concurrent faculty advisors after admission.