

2004 Applicant Guidelines for Doctoral Programs (First Stage) of Graduate School of Information Science, Nagoya University (Second Round of Admissions)

IMPORTANT Notice: The Japanese version of Applicant Guidelines for Doctoral Programs of Graduate School of Information Science, Nagoya University serves as the official guidebook. This English translation is provided only for applicants' convenience.

The Graduate School of Information Science invites applicants for admission to the first stage of doctoral programs (considered a master's course) for the academic year 2004, in accordance with these guidelines.

1. Qualifications for Application

Applicants must meet one of the following conditions:

- (1) University graduates, or will graduate from university by March 31, 2004
- (2) Persons who have obtained a bachelor's degree from the National Institution for Academic Degrees, which is specified by the School Education Law. (Note 1)
- (3) Students who have finished, or will finish by March 31, 2004, 16 years of academic education in a foreign country
- (4) Students who have finished, or will finish by March 31, 2004, 16 years of academic education in Japan through correspondence courses run by foreign educational establishments
- (5) Persons who have qualification approved by the Minister of Education, Culture, Sports, Science and Technology, Japan. (Notification No. 5 of the Ministry of Education, 1953)
- (6) Students who as of March 31, 2004 will have been enrolled in a university for three or more years, and have been recognized by our Graduate School as having acquired a specific amount of credits, with an excellent record (excluding those who meet condition (1) above) (Note 2)
- (7) Persons who will be 22 years of age or over as of March 31, 2004, and have been recognized by our Graduate School, based on the results of individual examinations of applicant's qualifications, as having academic abilities equivalent or superior to university graduates (Note 2)

(Note 1) Applicants who will complete an advanced course at a junior or technical college by March 31, 2004, and who will obtain a bachelor's degree from the National Institution for Academic Degrees by the same month must contact our Graduate School in advance.

(Note 2) Applicants who meet condition (6) or (7) above must contact our Graduate School no later than December 25 (Thu.), 2003.

2. Numbers of Students to Be Admitted

Dept. of Computer Science and Mathematical Informatics	A few students
Dept. of Information Engineering	A few students
Dept. of Media Science	A few students
Dept. of Complex Systems Science	A few students
Dept. of Systems and Social Informatics	A few students

3. Application Period

Applications will be accepted between January 15 (Thu.) and January 21 (Wed.), 2004, 4 p.m.

Only postal applications are acceptable.

4. Application Documents

Documents required for all applicants

- (1) Application Form (Complete form prescribed by our Graduate School.)
- (2) Examination Card and Photograph Card (Complete cards prescribed by our Graduate School.)
- (3) Objectives and Plan of Studies (Complete form prescribed by our Graduate School.)
- (4) Personal History (Complete form prescribed by our Graduate School.)
- (5) Receipt of Payment, Report of Receipt, Record of Receipt (Enter only your name in forms prescribed by our Graduate School.)
- (6) 2 self-addressed return envelopes (one for sending Examination Card, the other for correspondence)

Before submitting, write clearly your name, mailing address and postal code on two envelopes prescribed by our Graduate School. Place a 350-yen stamp on the envelope for the Examination Card.

- (7) Address label (Write necessary items on label prescribed by our Graduate School.)
- (8) Certificate for (prospective) graduation or a document certifying qualification for application
- (9) Official transcript of academic records (issued by your last university)
- (10) Examination fee (30,000 yen by postal money order, on which name and address of designated payee should not be written.

Documents to be submitted preferably for reference

- (1) If the applicant has a dissertation or other material that indicates his/her research abilities, it is desirable to submit a copy of such material and, if necessary, an abstract.
- (2) If a foreign applicant studying in Japan has taken the Japanese Language Proficiency Test, it is desirable to submit a certificate or score report thereof. When submitting a copy, write "This is identical to the original" on the copy, which should then be signed and stamped with your seal.
- (3) If the applicant has taken an English proficiency test (STEP, TOEIC, TOEFL etc.), it is desirable to submit a certificate or score report thereof. When submitting a copy, write "This is identical to the original" on the copy, which should then be signed and stamped with your seal.

Documents to be submitted in special cases

- (1) Foreign applicants residing in Japan must submit an alien registration certificate issued by

the head of their municipality. However, those with permanent residency need not submit this document.

Overseas residents must submit a document certifying nationality and resident's eligibility (for example, a copy of your passport page showing nationality and resident status).

(2) Applicants serving in government and other public offices, companies and other organizations, and who will remain in service even after enrollment, must submit the organization's written consent to application for admission (no prescribed form).

(3) Students applying for admission to the Department of Systems and Social Informatics must submit a Research Subject Selection Form.

5. Application Procedures

Applicants must put all documents required for application in the envelope prescribed by our Graduate School for sending application documents, and send it **by registered mail**. We will only receive applications that are delivered to us no later than 4:00 p.m., January 21 (Wed.), 2004.

Points of note

(1) Incomplete application documents will not be accepted.

(2) After an application has been filed, we will not allow any changes to application documents, nor refund examination fees.

6. Selection

- (1) Successful applicants for admission to our programs will be selected on the basis of overall evaluation of the results of written and oral examinations and application documents.
- (2) The schedules of written and oral examinations are shown below.
- (3) Announcement of the written and oral examination venues will be posted on the examination day at the entrance to the Graduate School of Information Science building (see attached map).
- (4) Applicants must arrive at the examination rooms at least 30 minutes before the starting time of the examination and follow the instructions of the clerk in charge.

A. Written examination: February 12 (Thu.)

- (1) English: 10:00 - 11:00 Common to all Departments

Applicants may bring one dictionary (English-Japanese or other mother-language dictionary). Computerized dictionaries are not acceptable.

(2) Special subjects

Department	Examination time	Test subjects (Items in parentheses are topics to be covered.)
Computer Science and Mathematical Informatics	12:30 - 15:30	Choose and answer four questions from the 10 to 12 questions set out on the following subjects: basic mathematics (linear algebra, calculus), discrete mathematics, theory of computation, mathematical logic, probability theory, numerical analysis, differential equations, information systems (including control systems), algorithm design techniques, automata theory, programming.
Information Engineering	12:30 - 15:30	Choose four subjects from the two subject groups: Group A: Choose two subjects from the three subjects below and write in answers. (1) Analysis and linear algebra (2) Probability and statistics (3) Programming Group B: Choose two subjects from the three subjects below and write in answers. (1) Computer theory (automata theory, mathematical logic, discrete mathematics) (2) Hardware (logic circuit, computer hardware, computer architecture, information network) (3) Software (algorithm, operating system, compiler, nonprocedural language, software design)

Department	Examination time	Test subjects
Media Science	12:30 - 15:30	<p>Choose four subjects from the nine below and write in answers.</p> <p>Analysis and linear algebra</p> <p>Probability and statistics (conditional probability, probability distribution, generating function, test)</p> <p>Programming</p> <p>Information theory (quantity, information source, source coding, channel coding)</p> <p>Digital signal processing (z-transform, discrete Fourier transform and FFT, filter)</p> <p>Perception (visual perception, auditory perception, perception by cross-modal integration)</p> <p>Human communication (psycholinguistics, dialogue, interaction)</p> <p>Cognitive information processing (learning, creation, problem-solving)</p> <p>Cognitive ethology (memory, emotion, gesture)</p>
Complex Systems Science	12:30 -	<p>Presentation of the graduation thesis or the equivalent followed by questions and answers about the content and the applicant's major (Approx. 30 min. per applicant)</p>

Department	Examination time	Test subjects
Systems and Social Informatics	12:30 - 15:30	<p>Short essay (required)</p> <p>Questions will be set out on the two subjects you chose from the nine when filing out your application: (Students applying for admission to this Department must submit attached Research Subject Selection Form without fail.)</p> <p>Probability and statistics Programming (including algorithm) Information processing (database, knowledge information processing etc.) System software (operating system, information network) Signal processing (digital signal processing) Electronic social system (e-government, virtual museum, e-commerce) Information design (information graphics, visual literacy) Fundamentals of philosophy (history of philosophy, ethics, philosophy of science, aesthetics) Logical thinking (mathematical logic, critical thinking)</p> <p>For details of examinations, visit the website: http://www.ss.is.nagoya-u.ac.jp/exam.html</p>

B. Oral examination: February 13 (Fri.)

Department	Examination time
Computer Science and Mathematical Informatics	9:30 -
Information Engineering	9:30 -
Media Science	9:30 -
Complex Systems Science	In the afternoon of February 12
Systems and Social Informatics	9:30 -

7. Announcement of Admissions

Announcement of admissions will be posted at noon, February 17 (Tue.), 2004, at the entrance to the Graduate School of Information Science building. The results will also be communicated to each applicant by mail.

8. Registration Procedures

Registration procedures will be communicated to prospective students in early March 2004. The deadline for procedure completion will be in late March 2004.

9. Registration and Tuition Fees

Registration and tuition fees (for Spring semester) must be paid at time of enrollment.

(1) Registration fee: 282,000 yen

(2) Tuition fee: 260,400 yen for Spring semester (520,800 yen for full year)

(Notes) Tuition for Fall semester can be paid together with that for Spring semester, if so desired. If tuition and other fees are revised at time of enrollment or while you are enrolled in our institution, new payment amount will apply from time of revision.

10. Other Points of Note

(1) If you have any questions about admissions to our Graduate School, such as application qualifications or documents and selection process, please inquire in advance at the office below.

(2) For details on research activities of professors/researchers, visit our website below.

(4) Since Nagoya University restricts vehicle entry to the campus, use public transportation when visiting University for examinations.

Academic & Students Affairs Section,
Graduate School of Information Science, Nagoya University
Furo-cho, Chigusa-ku, Nagoya City, Aichi Prefecture 464-601
Tel. +81-52-789-4721
<http://www.is.nagoya-u.ac.jp/>
E-mail: admission@is.nagoya-u.ac.jp