PROSPECTUS FOR INTERNATIONAL GRADUATE PROGRAM 2009
NAGOYA INSTITUTE OF TECHNOLOGY

1. General Information

Nagoya Institute of Technology (hereinafter referred to as NIT) provides International Graduate Programs for studying advanced theories and technologies in the Department of Materials Science and Engineering, the Department of Architecture, Civil Engineering and Industrial Management Engineering, the Department of Frontier Materials, and the Department of Scientific and Engineering Simulation. The lectures and seminars in these programs are generally given in English, so that qualified applicants are accepted even with little or no Japanese literacy. The applicants are not required to go to the preparatory Japanese classes, unlike the conventional graduate programs. However, the accepted students are strongly recommended to study Japanese during their postgraduate studies, since Japanese is essential for daily life in Japan and for finding employment in Japan after completion of their postgraduate studies. NIT provides Japanese language classes, in addition to the respective specialized courses.

2. Programs

The NIT International Graduate Programs include the Master's Degree Program and the Doctoral Degree Program in the Department of Materials Science and Engineering, the Department of Architecture, Civil Engineering and Industrial Management Engineering, the Department of Frontier Materials, and the Department of Scientific and Engineering Simulation. The applicants are requested to choose either of the programs according to the application procedure. The lectures, seminars, and individual advices are generally given in English in both the programs, though some may be given in Japanese with the advancement of the student's Japanese competence.

(1) Master's Degree Program

The Master's Degree Program is provided for the four departments and gives lectures and seminars on advanced theories and technologies in the respective fields. The student must submit a master's degree thesis and pass the final examination for obtaining a master's degree in his/her selected field. For evaluating the student's competency in the field, the presentation of his/her research in an international conference is recommended.

i) Materials Science and Engineering

The student selects one of the five fields: Organic Materials, Inorganic Materials, Chemical Process, Materials Function and Design, and Life Function. The prospective advisers and lectures in the respective fields are shown in Tables 1-1 and 1-2.

ii) Architecture, Civil Engineering and Industrial Management Engineering

The student selects one of the four fields: Human Space, Civil Engineering, Environmental Engineering and Disaster Prevention, and Management Engineering. The prospective advisers and lectures in the respective fields are shown in Tables 2-1 and 2-2.

iii) Frontier Materials

The student selects one of the three fields: Environmental Ceramic Materials, Advanced Energy Materials, and Molecular Life Science and Nanotechnology. The prospective advisers and lectures in the respective fields are shown in Tables 3-1 and 3-2.

iv) Scientific and Engineering Simulation

The student selects one of the three fields: Computational Applied Sciences, Computer Science and System Engineering, and Simulation in Civil Engineering and Architectural Systems. The prospective advisers and lectures in the respective fields are shown in Tables 4-1 and 4-2.

(2) Doctoral Degree Program

The Doctoral Degree Program is provided for the four departments and gives specialized advices for the student's progress and training by a supervisor and an advisory group in each field. The doctoral degree is offered based on the student's doctoral thesis and the result of a final examination. In order to acquire the expertise and the comprehensive insight, the internship in some enterprise or academic organization is recommended in this program.

i) Materials Science and Engineering

The student has research training for advanced theories and technologies in one specialized field selected among Organic Materials, Inorganic Materials, Chemical Process, Materials Function and Design, and Life

Function. The research specifically focuses on development of new materials with superior functions, properties, and characteristics in a wide range of chemical fields. The prospective supervisors and advisors are shown in Table 1-1.

ii) Architecture, Civil Engineering and Industrial Management Engineering

The student has research training for advanced theories and technologies in one specialized field selected among Human Space, Civil Engineering, Environmental Engineering and Disaster Prevention, and Management Engineering. The main objective of research is to attain the human-friendly and environment-friendly social spaces and infrastructures by the technologies related to architecture, civil engineering and industrial management. The prospective supervisors and advisors are shown in Table 2-1.

iii) Frontier Materials

The student has research training for advanced theories and technologies in one specialized field selected among Environmental Ceramic Materials, Advanced Energy Materials, and Molecular Life Science and Nanotechnology. The research specifically focuses on development of environment-friendly, high-performance frontier materials in the wide range of chemical and physical fields relating to chemical conversion, energy conversion, nanotechnology, and life science. The prospective supervisors and advisors are shown in Table 3-1.

iv) Scientific and Engineering Simulation

The student has research training for advanced theories and technologies in one specialized field selected among Computational Applied Sciences, Computer Science and System Engineering, Simulation in Civil Engineering and Architectural Systems. The research objectives include (1) solving the fundamental and challenging problems in science and engineering with high-performance computers and advanced software, (2) developing the design methods and tools for computer-controlled systems, information network systems, and information media systems, and (3) designing the complex systems for urban planning, civil engineering, disaster protection, and environmental problems. The prospective supervisors and advisors are

shown in Table 4-1.

3. Japanese Government Scholarship

Applicants with excellent academic records are entitled to apply for the Japanese Government Scholarship (Monbukagakusho Scholarship). The monthly stipend of the scholarship is 170,000 (JPY) for graduate students (the amount of the scholarship is subject to change according to the rules of the Japanese Government). The successful students for the Japanese Government Scholarship are exempt from paying the entrance examination fee, the admission fee, and tuition described in Article 7. Japanese Government Scholarship will be granted to 3 students in the Master's Degree Program and to 2 students in the Doctoral Degree Program.

4. Qualifications

(1) The applicant for the Master's Degree Program must satisfy one of the following qualifications:

1) graduated a university or a college;
2) completed 16 years of school education abroad;
3) completed 16 years of school education in an international school or equivalent educational institution in Japan;
4) the applicant from a country where the college level education does not require 16 years' term must fulfill the following two conditions and is to be deemed by the graduate school of engineering in NIT to possess the academic ability at least equivalent to the university graduate in Japan:
   i) spent at least one year as a research student or research fellow at a university or research institute in Japan or abroad after obtaining a bachelor's degree or be expected to do so by September 30, 2009
   ii) be 22 years old or older as of September 30, 2009
5) the applicant who has not satisfied any of the above four qualifications but has submitted academic papers and documents must fulfill the following condition and is to be deemed by the graduate school of engineering in NIT to possess the academic ability at least equivalent to the university graduate in Japan:
   i) be 22 years old or older as of September 30, 2009

Note: The applicant who is under category 4) or 5) is required to contact the International Exchange Division in NIT before submitting an application.

(2) The applicant for the Doctoral Degree Program must satisfy one of the following qualifications:

1) obtained a master's degree from a university or a college in Japan or abroad;
2) obtained a degree equivalent to a master's degree from a university or a college in Japan or abroad; and
3) obtained a degree equivalent to a master's degree from an international school or educational institution in Japan.

(3) The applicant for the Japanese Government Scholarship must satisfy the following requirements, in addition to the qualification in 4 -(1) or 4- (2):

1) having the nationality and the residence in any of the countries to which the Japanese Government Scholarship Program is offered;
2) be under 35 years old as of April 1,2009; and
3) residing outside Japan.

5. Application

A. Preliminary Selection (Documentary Examination)

The applicant is required first to contact a desired supervisor in a postgraduate advisory team and obtain the approval on his/her study in the master's degree program or the doctoral degree program.

After the approval of the prospective supervisor, the applicant is required to submit the following documents to the International Exchange Division in NIT (the postal address is given in Article 9) by December 19, 2008:

(1) Application form with attachment of two photos taken within the past 6 months (6 cm×4 cm) to ANNEX I and ANNEX II
(2) Certificate of citizenship
(3) Official transcript of academic record
(4) Official transcript of graduation certificate
(5) Recommendation letter from the head of the department
Please use the recommendation form attached to the application form.
(6) TOEFL score taken within the past two years
(7) Summary of thesis for Master's Course Program, or Master's thesis for Doctoral Course Program.

(8) Copy of passport with the name and photo
(9) Certificate of health

The applicant will be notified of the result of the preliminary selection by e-mail until January 9, 2009. In the event of failed reception of the notification e-mail by the expected date, please contact the International Exchange Division in NIT (the postal address is given in Article 9) immediately.

B. Final Selection

The applicant from one of the universities in the international academic exchange agreements with NIT (Beijing University of Chemical Technology and Tongji University) has an interview given in the university by the representative of the supervisors from NIT.

Otherwise the applicant to master's or doctoral degree program is subject to a final examination performed in NIT on January 30,2009:

1. Materials Science and Engineering
   Oral Test: in the afternoon
2. Architecture, Civil Engineering and Industrial Management Engineering
   Oral Test: in the afternoon
3. Frontier Materials
   Oral Test: in the afternoon
4. Scientific and Engineering Simulation
   Oral Test: in the afternoon

6. Notification of Admission

NIT will notify the applicant of the result of admission by e-mail by February 10, 2009. In the event of failing to receive the notification e-mail by the expected date, please contact the International Exchange Division in NIT (the postal address is given in Article 9) immediately.

7. Entrance Examination Fee, Admission Fee, and Tuition

The entrance examination fee, the admission fee, and the tuition for 2009 are:

(1) Examination Fee: 30,000 (JPY)
(2) Admission Fee: 282,000 (JPY)
(3) Tuition: 535,800 (JPY)

The students with the Japanese Government Scholarship are exempt from paying these fees.

8. Accommodation

NIT has a dormitory called “International House” for overseas students in the main campus. Although the dormitory has only a limited number of rooms, most graduate students are accepted in the dormitory for 6 months or a year.

9. Contact Address

International Exchange Division
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