

For Enrollment October 2017

## Prospectus for International Graduate Program for Global Engineers

### Nagoya Institute of Technology

#### 1. General Information

Nagoya is at the heart of Japan's industrial area, and famous as the heart of the Japanese manufacturing industry. Nagoya Institute of Technology (NITech) is the longest established national higher education institute of engineering in this area. Many of our alumni are working in major companies related to the manufacturing industry.

Because Japanese manufacturing industry is rapidly expanding its business worldwide, especially into Asian countries, NITech has launched a master course program for manufacturing technology. The program is designed for overseas students who want to develop a career in the Japanese manufacturing industry.

Several manufacturing companies in the region cooperate with the program, and some of them will offer students internship opportunities. The graduates of this program are expected to find employment in Japanese companies in manufacturing industry, and play an important role worldwide as a highly-skilled engineer.

#### 2. Program (subject to change)

This program is based on the curriculum of the existing master courses and it also offers some additional subjects aimed to develop highly-skilled engineers for the manufacturing industry. The students can choose his/her course from the following:

- a) Department of Life Science and Applied Chemistry
- b) Department of Physical Science and Engineering
- c) Department of Electrical and Mechanical Engineering
- d) Department of Computer Science
- e) Department of Architecture, Civil Engineering and Industrial Management Engineering

The introduction of each department can be seen on the NITech 's website.

<http://www.nitech.ac.jp/eng/about/departments/index.html>

Besides the existing curriculum of each master course, the students will take the following special subjects.

- (1) Subjects of Production Engineering
  - 1) A "Introduction to Automobile Engineering" is given for all students.
  - 2) A "Special study of Production Engineering" is given in each department
- (2) Multicultural Symbiosis

Japanese manufacturing companies are expanding their businesses worldwide. Students learn the strength and weakness of such Japanese companies and how to deal

the business in the advancing globalism. The subject is featured by the practical study of “Kaizen”, the unique improvement activities carried out in the Japanese manufacturing companies, offering the practical experiences in the factories.

(3) **Global Human Resources**

This subject is designed also for Japanese students who have strong interest in working overseas. Both International and Japanese students work together on the tasks related to their own cultures and languages, aiming to develop themselves to be “Global Human Resources” and to develop the carrier plan in global business.

(4) **Japanese/Business Japanese**

The program offers 1 year’s comprehensive Japanese course, which consist of basic course in the first half and advanced course in the latter half. The advanced course aims to acquire business Japanese, particularly Japanese used in the manufacturing industry. The goal is to be qualified for Level N2 of JLPT.

(5) **Internship**

All students should carry out his/her internship in Japanese companies.

(6) **Thesis**

All students should write his/her thesis on a specific theme related to manufacturing technology in each specialized field of study.

The duration of this program is two years from October of 2017 to September of 2019. Students are not required to possess background knowledge of Japanese, but a strong will to study Japanese is required. The lectures of this program are given either in English or Japanese. In case the lecture is given in Japanese, the students will receive supplementary explanation in English.

**3. Number of Students**

The number of students to be admitted is TEN (10).

**4. 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 144,000 (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 application fee, the admission fee, and the tuition fee described in Article 8.

Japanese Government Scholarship will be granted to 5 students.

**5. Qualifications**

(1) Applicants must satisfy the following conditions.

- 1) Must complete or will complete a 16-year school curriculum in a foreign country by September 30, 2017.
- 2) Must have excellent academic marks.

The Grade Point Averages (GPA)\* should meet 2.3 or higher for the past 2 years  
\* GPA will be calculated using the 3.0 grading scale. For the details of calculation of GPA, please contact International Student Affairs Office of NITech.

- (2) Applicants must have been born on or after April 2, 1982.
- (3) Applicants must have nationality of a country recognized by the Japanese government. However, those with Japanese nationality at the time of application are not eligible.
- (4) Japanese language proficiency is not required but sufficient English ability is required to carry out research and attend classes.
- (5) Applicants must be free from any mental or physical disabilities that affect studies.
- (6) The following persons are not eligible.
  - 1) Former MEXT scholarship students whose last receipt is less than 3 years ago (However, this does not include former Japanese studies students and students of Japan-Korea Joint Government Scholarship Program for the Students in Science and Engineering Departments)
  - 2) Students who cannot complete their studies within the standard number of years required for graduation (excluding stop-outs).
  - 3) Applicants whose main purpose is to acquire license in fields such as medical, law and/or teaching.
  - 4) Soldiers and military civilian employees.
  - 5) Applicants who cannot arrive in Japan on the date specified by the MEXT.
  - 6) Recipients of other scholarships.
  - 7) Students applying to more than one university, to the MEXT scholarship 2017 through Embassy Recommendation, and to the JASSO Student Exchange Program Scholarship 2017.

## 6. Application Procedure

The applicant should contact the academic advisor first, and obtain the approval of the academic advisor on his/her study in this program. Next, the applicant should send the following documents to International Student Affairs Office of NITech (see the contact address shown in 9) by January 13, 2017. (The date of deadline may be changed.)

Note: If it is difficult to submit some of these documents before the closing date for an unavoidable reason, please consult with the academic advisor in advance.

- (1) Application Form (attached form: original, no photocopies)  
\*One photo taken within the past 6 months (4.5cm×3.5cm) should be attached.
- (2) Field of Study and Study Program [Research Proposal] (attached form)
- (3) Official transcript of academic record (for the past 2 years) (original or certified copies)
- (4) Summary of Thesis (free format)  
\*Outline of your study or research in your undergraduate course.
- (5) Recommendation Letter from the Dean or equivalent official of the applicant's home university addressed to the President of NITech (free format) (original or photocopies)
- (6) Certificate of Graduation or Expected Graduation (original or certified copies)

- (7) Language certificate (English or Japanese), if available.
- (8) Copy of your passport containing the page of your name and photo
- (9) Pledge (attached form: original, no photocopies)

Note;

- \* These documents should be made in English with word-processing software and printed double-sided on size A4 paper.
- \* Submitted documents will not be returned.
- \* Your application will not be evaluated if the above documents are incomplete or not accurately completed. Applications that arrive after the deadline will not be accepted.

## 7. Selection and Notification

### 1. Application Period

Deadline: Friday, January 13, 2017

### 2. Screening

Based on the application form, academic transcripts, other documents submitted, and interview (including an Internet-based interview).

### 3. Date of Examination

Will be announced after submission of application documents.

### 4. Notification of Result

Will be announced by Friday, March 10, 2017

## 8. Application Fee, Admission Fee, and Tuition Fee

All the application except the successful applicants who are awarded the Japanese Government Scholarship will be required to pay the following fee:

Application Fee	30,000JPY
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Successful Applicants who are not awarded the Japanese Government Scholarship will be required to pay the following fees:

Admission Fee	282,000JPY
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Tuition Fee	535,800JPY
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(The admission and tuition fees are subject to change.)

Applicants will be informed of the payment method after the notification of their admission result. Admission Fee and Tuition Fee can be exempted or the payment can be postponed upon request. Students who wish for the exemption or payment postponement are required to submit the application form. The detailed procedure and deadline will be informed to successful applicants separately.

## 9. Accommodation

NITech has a dormitory called “International House” for international students in the main campus. Although the number of rooms available is limited, most of the graduate students can stay in the dormitory for first half a year during their course.

## 10. Contact Address

International Student Affairs Office

Nagoya Institute of Technology

Gokiso-cho, Showa-ku, Nagoya, Aichi 466-8555, Japan

Tel:+81-52-735-5079, 5608

Fax:+81-52-735-5080

E-mail: [international@adm.nitech.ac.jp](mailto:international@adm.nitech.ac.jp)

Table 1: Advisors in Department of Life Science and Applied Chemistry  
(subject to change)

Life and Materials Chemistry		
Professor	Associate Professor	Assistant Professor
Atsushi Aoki	Hiroshi Itoh	Masaharu Kondo
Hajime Ohtani	Keiichi Inoue	Ryo Nagumo
Yoshihito Kato	Tomohiko Inomata	Atsushi Miyagawa
Shinji Kawasaki	Shuichi Iwata	Takeyoshi Yagyu
Hideki Kandori	Masakazu Ohkita	
Norio Shibata	Riki Ogasawara	
Takehisa Dewa	Tomohiro Ozawa	
Isao Nakano	Katsuhiko Ono	
Hideki Mori	Shinya Kitagawa	
Keiji Yamashita	Norihiro Shida	
Hatsuo Yamamura	Noriyuki Sonoyama	
	Kazutake Takada	
	Shuichi Nakamura	
	Yoshiteru Hanai	
	Tsunehisa Hirashita	
	Toshihisa Mizuno	
	Takashi Yasui	
	Yasushi Yamamoto	
	Akihiro Yoshino	
Soft Materials		
Professor	Associate Professor	Assistant Professor
Yoshihito Inai	Daisuke Ishii	
Katsuhiro Inomata	Katsuya Sako	
Masahito Suzuki	Michito Shiotsuka	
Shigeru Takagi	Hideki Sugimoto	
Akinori Takasu	Koji Takagi	
Shinya Tsukiji	Kenji Nagata	
Masahiro Higuchi	Katsuhiro Yamamoto	
Atsushi Yoshimura	Shinichi Matsuoka	
	Hideo Yoshizato	
	Hiroaki Yoshimizu	
Advanced Ceramics		
Professor	Associate Professor	Assistant Professor
Nobuyasu Adachi	Toru Asaka	Yusuke Daiko
Takashi Ida	Akiko Obata	
Yuji Iwamoto	Isao Kagomiya	
Ken-ichi Kakimoto	Takashi Shirai	
Toshihiro Kasuga	Shinobu Hashimoto	
Usoku Shin	Masaaki Haneda	
Masanobu Nakayama	Hiroshi Fudoji	
Tomokatsu Hayakawa	Hiroataka Maeda	
Kiyoshi Hirao	Takeshi Yokota	
Koichiro Fukuda		
Masayoshi Fuji		

Table 2: Advisors in Department of Physical Science and Engineering  
(subject to change)

Materials Function and Design		
Professor	Associate Professor	Assistant Professor
Shigeo Ohara	Naoki Ide	Masaaki Tanaka
Yoichi Nishino	Keiji Okumura	
Koichi Hayashi	Noriaki Kurita	
Takehiko Hihara	Hisashi Sato	
Ko Mibu	Yasushi Hamanaka	
Yoshimi Watanabe	Hidetoshi Miyazaki	
Applied Physics		
Professor	Associate Professor	Assistant Professor
Katsuyoshi Ikeda	Kenichiro Arita	
Yo Ichikawa	Shingo Ono	
Ikuo Ichinose	Kalita Golap	
Makoto Iwata	Takashi Kimura	
Osamu Eryu	Yasutoshi Tanzawa	
Shuji Ogata	Takashi Naitoh	
Toshiyuki Gotoh	Feng Wei	
Akira Takahashi	Akihiko Yoneya	
Masaki Tanemura	Takeshi Watanabe	

**Table 3: Advisors in Department of Electrical and Mechanical Engineering**  
(subject to change)

<b>Electrical and Electronic Engineering</b>		
<b>Professor</b>	<b>Associate Professor</b>	<b>Assistant Professor</b>
Masaya Ichimura	Mutsumi Aoki	Wataru Kitagawa
Makoto Iwasaki	Koji Abe	Toshiharu Kubo
Takashi Egawa	Eiji Okamoto	Noritaka Sato
Jianqing Wang	Masashi Kato	
Nobuyoshi Kikuma	Naoki Kishi	
Takashi Kosaka	Kenta Seki	
Kunio Sakakibara	Niraula Madan	
Tetsuo Soga	Hiroshi Hirayama	
Takaharu Takeshita	Yoshihiro Maeda	
Akimasa Hirata	Shinji Yasui	
Yukio Mizuno	Akio Wakejima	
Makoto Miyoshi		
Yoshifumi Morita		
<b>Mechanical Engineering</b>		
<b>Professor</b>	<b>Associate Professor</b>	<b>Assistant Professor</b>
Katsuhiro Asano	Oaki Iida	Tatsushi Ooba
Yojiro Ishino	Kei Ito	Yu Saiki
Yasushi Ido	Toshihiro Ito	Takehiko Makino
Fumihito Itoigawa	Tatsuo Ushijima	
Shoji Kamiya	Masamichi Sakaguchi	
Kazuhiko Kitamura	Shukei Sugita	
Akihito Sano	Yoshihiro Tanaka	
Masato Tagawa	Shinji Tamano	
Masaya Hagiwara	Masahiro Nishida	
Yutaka Hasegawa	Shinya Hayakawa	
Naoki Mizuno	Masahiro Furutani	
Yohei Morinishi	Tomoya Houra	
Manabu Yamada	Toshiaki Wasaka	



Table 4: Advisors in Department of Computer Science

(subject to change)

Networks		
Professor	Associate Professor	Assistant Professor
Yutaka Ishibashi	Taisuke Izumi	Yuichiro Tateiwa
Yoshiaki Katayama	Yoshihiro Ito	
Shoichi Saito	Takahiro Uchiya	
Hiroshi Matsuo	Tomoaki Tsumura	
Tadashi Wadayama	Toshiro Nunome	
	Norishige Fukushima	
Computational Intelligence		
Professor	Associate Professor	Assistant Professor
Takayuki Ito	Tadachika Ozono	
Nobuhiro Inuzuka	Shun Shiramatsu	
Shohei Kato	Tsuyoshi Nakamura	
Toramatsu Shintani	Arao Funase	
Hirohisa Seki	Toshihiro Matsui	
Ichiro Takeuchi	Atsuko Mutou	
Masashi Nagai	Koichi Moriyama	
Izumi Yamamoto		
Multimedia and Human Computer Interaction		
Professor	Associate Professor	Assistant Professor
Taizo Umezaki	Ryo Oda	Kugler Mauricio
Jun Sato	Susumu Kuroyanagi	Tomio Goto
Keiichi Tokuda	Yoshihiko Nankaku	Fumihiko Sakaue
Hidekata Hontani	Satoshi Hirano	Shinji Sako
Akinobu Lee	Daisuke Yamamoto	Ryo Taguchi
Mathematics and Mathematical Science		
Professor	Associate Professor	Assistant Professor
Toshiaki Adachi	Kazuo Ueno	
Mikami Hirasawa	Misa Ohashi	
Hiroshi Matsuzoe	Akihiro Saeki	
Norihiko Minami	Masahiro Suzuki	
	Tomohiro Hayashi	
	Yasushi Mizusawa	
	Masakazu Yamagishi	
	Azusa Yokogoshi	
	Eiko Yoshida	

Table 5: Advisors in Department of Architecture ,Civil Engineering and Industrial Management Engineering (subject to change)

Architecture and Design		
Professor	Associate Professor	Assistant Professor
Yuka Ishikawa	Takeyoshi Ishimatsu	
Toshikatsu Ichinose	Takanori Ito	
Hideki Idota	Hisashi Umemura	
Masahiro Inoue	Keisuke Kitagawa	
Toshiyuki Kaneda	Yoshinori Komatsu	
Kiwako Kamo	Atsushi Sato	
Noriko Kawahashi	Mine Sudo	
Shinji Kawabe	Yoshinori Natsume	
Yasuyuki Nagafuchi		
Nobuko Fujioka		
Kazuyoshi Fumoto		
Civil and Environmental Engineering		
Professor	Associate Professor	Assistant Professor
Makoto Obata	Masami Iwamoto	
Masahisa Seguchi	Takumi Uehara	
Cho Ho	Toshikazu Kitano	
Akihiro Tominaga	Koji Suzuki	
Tetsuya Nonaka	Kazutoshi Nagata	
Eizo Hideshima	Naoko Yoshida	
Motohiro Fujita		
Tsumoru Fujimoto		
Kenichi Maeda		
Michiko Masuda		
Systems Management and Engineering		
Professor	Associate Professor	Assistant Professor
Masahiro Arakawa	Hironobu Kawamura	
Katsunori Sumi	Koji Kanda	
Koichi Nakade	Mitsutoshi Kojima	
Yoshihiro Hashimoto	Norio Tokumaru	
Atsuhiko Hayashi	Junichi Yokoyama	
Kenji Watanabe		