

For Enrollment October 2024
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 is 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 the Japanese manufacturing industry is rapidly expanding its business worldwide, especially into Asian countries, NITech has launched a master course program for manufacturing technology. The International Graduate Program for Global Engineers (hereinafter referred to as the "IGPGE") is designed for overseas students who want to develop a career in the Japanese manufacturing industry.

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

2. IGPGE (subject to change)

IGPGE is based on the curriculum of the existing master courses and also offers some additional subjects aimed at developing highly skilled engineers for the manufacturing industry. The students can choose his/her program from the following:

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

The introduction of each program can be seen on the NITech website.

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

Note

The program is scheduled to change in April 2024 due to the reorganization of the educational program. Please refer to the information on the Graduate School Application Guidelines page of our website (Japanese) for the details of the reorganization.

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

(1) Subjects of Production Engineering

- 1) An "Introduction to Automobile Engineering" is given for all students.
- 2) A subject related to Production Engineering is given in each program.

(2) Multicultural Symbiosis

Japanese manufacturing companies are expanding their businesses worldwide. Students learn the strengths and weaknesses of such Japanese companies and how to deal with the business in light of advancing globalism. The subject features 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 also designed for Japanese students who have a 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 career plans in global business.

(4) Japanese

IGPGE offers a 1 year of comprehensive Japanese course, which consists of a basic course in the first half and advanced course in the latter half. 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 IGPGE is two years from October of 2024 to September of 2026. Students are encouraged to possess a basic Japanese knowledge of JLPT4 (Japanese Language Proficiency Test), or an equivalent level of Japanese proficiency. NITech considers your effort and eagerness to acquire the Japanese language, and your Japanese study experience. The lectures of IGPGE 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 THIRTEEN (13).

4. Japanese Government Scholarship

Applicants with excellent academic records are entitled to apply for the Japanese Government Scholarship (Monbukagakusho: MEXT 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 Japanese Government rules). 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.

A Japanese Government Scholarship will be granted to 5 students.

Applicants for the Japanese Government Scholarship must have a designated language proficiency (English or Japanese), and understand all the matters and requirements in the Application for the Japanese Government Scholarship for 2024.

Successful students for the Japanese Government Scholarship must fulfill all the requirements for receiving the Japanese Government Scholarship.

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, 2024.
 - 2) Must have excellent academic marks.
The Grade Point Averages (GPA)* should meet 2.3 or higher
* GPA will be calculated using the 3.0 grading scale.
- (2) Applicants must have been born on or after April 2, 1989.
- (3) Applicants must have the nationality of a country that has diplomatic relations with Japan. An applicant who has Japanese nationality at the time of application is not eligible. However, persons with dual nationality who hold Japanese nationality and whose place of residence at the time of application is outside of Japan are eligible to apply as long as they choose the nationality of the other country and renounce their Japanese nationality by the date of their arrival in Japan (the acquisition of student status.)
- (4) Possessing basic Japanese knowledge is desirable and sufficient English ability is required to carry out research and attend classes.
- (5) Applicants have no physical or mental conditions hindering the applicant's study in Japan.
- (6) Those who meet any one of the following conditions are ineligible. If identified ineligible after being selected as a scholarship student, he/she must withdraw from the scholarship.
 - 1) Those who are military personnel or military civilian employee at the time of their arrival in Japan or during the period of the payment of the scholarship.
 - 2) Those who cannot arrive in Japan by the date specified by MEXT or NITech.
 - 3) Those who are previous grantees of Japanese Government (MEXT) scholarship programs (including those who withdraw from the scholarship program after the arrival in Japan). This does not apply to: those who have educational or work experience exceeding more than three years from the following month of the period of the previous scholarship to the estimated first month of the payment of this scholarship; and the past grantees of Japanese Studies Students program who have graduated or are going to graduate from universities in their home countries; Japan-Korea Joint Government scholarship Program for the Students in Sciences and Engineering Departments and Young Leaders' Program. The Monbukagakusho Honors scholarship for Privately-Financed International Students is not included in

the Japanese Government (MEXT) Scholarship Programs.

- 4) Those who are currently also applying to another program under the Japanese Government (MEXT) Scholarship system which scholarship payments will begin in FY2024.
- 5) Those who are already enrolled in a Japanese university or other institution with a residence status of “Student,” or who are going to be enrolled, or plan to enroll, in a Japanese university or other institution as a privately-financed international student from the time of application to the MEXT scholarship program in the applicant’s country until the commencement of the period for payment of the MEXT scholarship.
- 6) Those who are expected to graduate at the time of application and cannot satisfy the condition of academic background by the deadline given.
- 7) Holders of dual nationality at the time of application who cannot verify that will give up Japanese nationality by the time of the arrival in Japan (the acquisition of student status.)
- 8) Those who plan to, from the time of application for the MEXT scholarship program, engage in long-term research (such as field work or internship) outside Japan or plan to take a long-term leave of absence from the university.
- 9) Students who cannot complete their studies within the standard number of years required for graduation.

6. Application Procedure

The applicant should contact the academic advisor first and obtain the approval of the academic advisor on his/her study in IGPGGE. Next, the applicant should send the following documents to International Affairs Division of NITech (see the contact address shown in 10) by January 12, 2024. (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: must be original, copies cannot be accepted)
 - *One photo taken within the past 6 months (4.5cm×3.5cm) should be attached.
- (2) Field of Study and Research Plan [Research Proposal] (attached form)
- (3) Official transcript of academic record (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) Japanese language certificate

Instead of a Japanese language certificate, you can submit a document that shows your Japanese language study experience and eagerness for Japanese (A4 free format, written in Japanese).
- (8) English language certificate

If you submit a Japanese certificate in (7), you do not need to submit an English certificate.

(9) Copy of your passport containing the page of your name and photo

(10) Pledge (attached form: must be original, copies cannot be accepted)

(11) Declaration of Applicable Specific Categories

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. Preliminary Consultation for Applicants with Disabilities or Other

Special treatment is available for students with disabilities. Please contact the International Affairs Division prior to the application if you have a disability stipulated in Article 22-3 of the Order for Enforcement of the School Education Act and other disability or others, and therefore need special care to enable you to attend the admission examination.

You should inform the International Affairs Division of the content of your requirements by e-mail. Please refer to section “12 Contact/Inquiries.”

8. Selection and Notification

1. Application Period

Deadline: January 12, 2024

2. Screening

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

3. Date of Examination

Will be announced after submission of application documents.

4. Notification of Result

Will be announced by March 8, 2024.

9. Examination 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.

10. Accommodation

NITech has a dormitory, NITech Cosmo Village, for overseas students in the main campus.

11. Security Export Control

Nagoya Institute of Technology has established the “Nagoya Institute of Technology Security Export Control regulations” in accordance with the “Foreign Exchange and Foreign Trade Act”, and rigorously screens potential international students on the basis of these regulations.

In November 2021, in accordance with the clarification of the scope of control for “deemed exports” under the Foreign Exchange and Foreign Trade Act (“FEFTA”), all applicants who are to study at Nagoya Institute of Technology will be required to submit a “Declaration of applicable specific categories” based on the “Flowchart for determining applicable specific categories.” In addition, some students may be required to submit a “pledge” at the time of admission procedures.

Please be aware that applicants who fall under any of the conditions set out in said regulations may have their education or research activities restricted.

[Reference]

Ministry of Economy, Trade and Industry “Security Export Control”

<https://www.meti.go.jp/policy/ampo/englishpage.html>

“Nagoya Institute of Technology Security Export Control regulations”

https://www.nitech.ac.jp/eng/about/regulations/files/c-1_Security_Export_Control_Regulations.pdf

12. Contact/ Inquiries

International Affairs Division

Nagoya Institute of Technology

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

Tel:+81-52-735-5079

E-mail: international@adm.nitech.ac.jp

Graduate School of Engineering Master's Degree Program

The List of Advisers

Life Science and Applied Chemistry Program

(subject to change)

Life and Materials Chemistry		
Professor	Associate Professor	Assistant Professor
AOKI Atsushi	ISHII Yosuke	IIGUNI Yoshinori
ITOH Hiroshi	INOMATA Tomohiko	KONDO Masaharu
IWATA Shuichi	ONO Katsuhiko	FURUKAWA Haruki
OHKITA Masakazu	KATAYAMA Kota	
OZAWA Tomohiro	SUMII Yuji	
KATO Yoshihito	SONOYAMA Noriyuki	
KAWASAKI Shinji	NAGUMO Ryo	
KITAGAWA Shinya	HANAI Yoshiteru	
SHIBATA Norio	HIRASHITA Tsunehisa	
TAKADA Kazutake	HIROTA Yuichiro	
DEWA Takehisa	FURUTANI Yuji	
NAKAMURA Shuichi	MIZUNO Toshihisa	
YAMAMURA Hatsuo	MIYAGAWA Atsushi	
	YAGYU Takeyoshi	
	YASUI Takashi	
	YAMAMOTO Yasushi	

Soft Materials		
Professor	Associate Professor	Assistant Professor
INAI Yoshihito	ISHII Daisuke	
INOMATA Katsuhiko	OKAMOTO Shigeru	
TAKASU Akinori	SAKO Katsuya	
TSUKIJI Shinya	SHIOTSUKA Michito	
NAGATA Kenji	SUGIMOTO Hideki	
HIGUCHI Masahiro	TAKAGI Koji	
	NOBUKAWA Shogo	
	MATSUOKA Shinichi	
	YAMAMOTO Katsuhiko	
	YOSHIZATO Hideo	
	YOSHIMIZU Hiroaki	

Advanced Ceramics		
Professor	Associate Professor	Assistant Professor
ADACHI Nobuyasu	ASAKA Toru	
IDA Takashi	OBATA Akiko	
IWAMOTO Yuji	SHIRAI Takashi	
KAKIMOTO Kenichi	DAIKO Yusuke	
KAGOMIYA Isao		
SHIN Woosuck		
NAKAYAMA Masanobu		
HASHIMOTO Shinobu		
HANEDA Masaaki		
HAYAKAWA Tomokatsu		
HYUGA Hideki		
FUKUDA Koichiro		
FUJI Masayoshi		
FUDOZI Hiroshi		
MAEDA Hirotaka		

Graduate School of Engineering Master's Degree Program

The List of Advisers

Physical Science and Engineering Program

(subject to change)

Materials Function and Design		
Professor	Associate Professor	Assistant Professor
OHARA Shigeo	IDE Naoki	
KURE Shochiku	OKUMURA Keiji	
SATO Hisashi	KURITA Noriaki	
HAGIHARA Koji	TANAKA Masaaki	
HAMANAKA Yasushi	HOSHI Yoshinao	
HAYASHI Koichi	MIYAZAKI Hidetoshi	
HIHARA Takehiko		
MIBU Ko		
WATANABE Yoshimi		

Applied Physics		
Professor	Associate Professor	Assistant Professor
ARITA Kenichiro	ISOBE Masaharu	TAKIKAWA Yoshinori
IKEDA Katsuyoshi	ONO Shingo	HONDA Mitsuhiro
IWATA Makoto	KIMURA Takashi	MIYAGAWA Reina
OGATA Shuji	TAMURA Tomoyuki	
TAKAHASHI Akira	KOBAYASHI Ryo	
WATANABE Takeshi	SAITO Izumi	
	TANZAWA Yasutoshi	
	NAITOH Takashi	
	MOTOBAYASHI Kenta	
	YONEYA Akihiko	

Graduate School of Engineering Master's Degree Program

The List of Advisers

Electrical and Mechanical Engineering Program

(subject to change)

Electrical and Electronic Engineering		
Professor	Associate Professor	Assistant Professor
IWASAKI Makoto	AOKI Mutsumi	KATO Shinya
WANG Jianqing	ABE Koji	
KATO Masashi	ANZAI Daisuke	
KANNO Atsushi	OKAMOTO Eiji	
KOSAKA Takashi	KISHI Naoki	
SAKAKIBARA Kunio	KITAGAWA Wataru	
NIRAULA Madan	KUBO Toshiharu	
HIRATA Akimasa	KODERA Sachiko	
MIYOSHI Makoto	SATO Noritaka	
MORITA Yoshifumi	SEKI Kenta	
YASUI Shinji	HIRAYAMA Hiroshi	
	MAEDA Yoshihiro	
	MATSUMORI Hiroaki	
	WAKATSUCHI Hiroki	
	WAKEJIMA Akio	

Mechanical Engineering		
Professor	Associate Professor	Assistant Professor
ISHINO Yojiro	IIDA Oaki	YAMADA Toru
IDO Yasushi	IWAMOTO Yuhiro	RYU Gyogyoku
ITOIGAWA Fumihito	UJIHARA Yoshihiro	
SAKAGUCHI Masamichi	USHIJIMA Tatsuo	
SANO Akihito	SAIKI Yu	
TANAKA Yoshihiro	SUGITA Shukei	
TAMANO Shinji	HAYAKAWA Shinya	
NAKAMURA Masanori	HOURA Tomoya	
NISHIDA Masahiro	MAEGAWA Satoru	
FURUTANI Masahiro	MAKINO Takehiko	
MORINISHI Yohei	WASAKA Toshiaki	
YAMADA Manabu		

Graduate School of Engineering Master's Degree Program
The List of Advisors
Computer Science Program

(subject to change)

Networks		
Professor	Associate Professor	Assistant Professor
KATAYAMA Yoshiaki	UCHIYA Takahiro	TATEIWA Yuichiro
SAITO Shoichi	KAWASHIMA Ryota	
ITO Yoshihiro	NUNOME Toshiro	
TSUMURA Tomoaki	FUKUSHIMA Norishige	
WADAYAMDA Tadashi		

Computational Intelligence		
Professor	Associate Professor	Assistant Professor
INUZUKA Nobuhiro	OTSUKA Takanobu	
OZONO Tadachika	KARASUYAMA Masayuki	
KATO Shohei	KIM Eunju	
SAKURAI Yuko	FUNASE Arao	
SHIRAMATSU Shun	MATSUI Toshihiro	
NAGAI Masashi	MUTOH Atsuko	
TANAKA Gohei	MORIYAMA Koichi	

Multimedia and Human Computer Interaction		
Professor	Associate Professor	Assistant Professor
ODA Ryo	KUROYANAGI Susumu	KUGLER Mauricio
CULLEN Brian	GOTO Tomio	
SATO Jun	SAKAUE Fumihiko	
TAMAKI Toru	SAKOH Shinji	
HONTANI Hidetaka	TAGUCHI Ryo	
RI Akinobu	TANAKA Yuko	
	NANKAKU Yoshihiko	
	HASHIMOTO Kei	
	HIRANO Satoshi	
	FUNAHASHI Kenji	
	YAMAMOTO Daisuke	
	YOKOTA Tatuya	

Mathematics and Mathematical Science		
Professor	Associate Professor	Assistant Professor
HIRASAWA Mikami	OHASHI Misa	
MATSUZOE Hiroshi	OTABE Shusuke	
YAMAGISHI Masakazu	SAEKI Akihiro	
YOKOGOSHI Azusa	SUZUKI Masahiro	
YOSHIDA Eiko	CHIKAMI Noboru	
MIZUNO Yoshinori	NAKASHIMA Norihiro	
	HAYASHI Tomohiro	

Graduate School of Engineering Master's Degree Program
 The List of Advisors
 Architecture, Civil Engineering and Industrial Management Engineering Program
 (subject to change)

Architecture and Design		
Professor	Associate Professor	Assistant Professor
ISHIKAWA Yuka	ITO Takanori	
ISHIMATSU Takeyoshi	ITO Yosuke	
KAMO Kiwako	UMEMURA Hisashi	
KITAGAWA Keisuke	KOMATSU Yoshinori	
KUSUHARA Fumio	SUDO Mine	
SATO Atsushi	NATSUME Yoshinori	
	HAMADA Shinichi	

Civil and Environmental Engineering		
Professor	Associate Professor	Assistant Professor
UEHARA Naoto	IWAMOTO Masami	
KAYABA Yuichi	KYOKAWA Hiroyuki	
KITANO Toshikazu	SHO Kenjiro	
SUZUKI Koji	NAGATA Kazutoshi	
HIDESHIMA Eizo	YOSHIDA Naoko	
FUJITA Motohiro	YOSHIDA Ryo	
FUJIMOTO Tsumoru		
MAEDA Kenichi		
MASUDA Michiko		

Systems Management and Engineering		
Professor	Associate Professor	Assistant Professor
ARAKAWA Masahiro	KAWAMURA Hironobu	
IMURA Naoe	KANDA Koji	
SUMI Katsunori	KOJIMA Mitsutoshi	
NAKADE Koichi	SUN Jing	
YOKOYAMA Junichi	HAMAGUCHI Takashi	
WATANABE Kenji		