

For Enrollment April 2018

Graduate School of Engineering

Master's Degree Program

Admissions Guide

For Privately-Financed International Students

Nagoya Institute of Technology

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Graduate School of Engineering Master's Degree Program Application Guide 2018 For Privately-Financed International Students

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Education Philosophy

The education philosophy of Nagoya Institute of Technology is to “Aim towards achieving the happiness of humankind and welfare of the global community going into the future while nurturing the human talent to support this goal based on 3 guiding principles: *Monozukuri* (Innovation), *Hitozukuri* (Education), and *Miraizukuri* (Contribution).”

Each and every graduate of this school is expected to be active as a pragmatic engineering elite who possesses the skills to create revolutionary academic innovations and technologies in the real world by working together with various people in various fields throughout the global community and striving towards a sustainable society of the future.

Admissions Policy (Policy on the admission of new students)

Graduate School Master’s Degree Program

In order to nurture human resources according to our education philosophy, students who satisfy the following are admitted widely from within Japan and around the world.

Students who study in the master’s degree program at our university have the abilities of a bachelor’s degree graduate, the fundamental knowledge of engineering and a grasp of its mission, a good understanding of the philosophy of our university, and have the desire to fulfill that mission of engineering.

- 1 People who have graduated with a bachelor’s degree or who have equivalent abilities
- 2 People who have fundamental knowledge of engineering such as in the specialist field to which they aspire, and who have the ability to utilize this knowledge for problem solving
- 3 People who have the communication proficiency to exchange ideas with other people, and are able to understand lectures and textbooks in English and exchange ideas with other people in English
- 4 People who have a strong desire to be the leaders of engineering in the future

Curriculum Policy (Policy on the formulation and execution of the education program)

Graduate School Master’s Degree Program

This education program has been formulated from the following perspectives for nurturing human resources according to our education philosophy.

The graduate school master’s degree program nurtures human resources who will acquire advanced specialist knowledge while working on research and who will create the society of the future by building on the skills of the bachelor’s degree, and the fundamental knowledge of and a sense of mission to engineering.

- 1 Acquire the ability to understand and observe human, cultural, and social problems from a technical perspective.

For this, as general subjects, students study subjects for comprehensively learning a variety of human, cultural, social problems, and engineering and subjects for linking technology to industry and society.

- 2 Acquire communication skills to be able to exchange ideas with researchers and engineers both inside and outside Japan in relation to specialist problems and technology.

For this, students study a wide variety of fields and acquire excellent communication skills through seminars in specialist fields, research internships both inside and outside Japan, lectures by people working in companies, and lectures or seminars in English including by foreign researchers.

- 3 Acquire advanced knowledge and technology that form the core of the field of specialization, and learn skills to discover specialist problems and solve the problems by deepening expertise.

For this, students study advanced specialist knowledge and technology, and work on novel and beneficial research in their field of specialization as their master’s degree research

Diploma Policy

(Policy on master's degree certification and awarding degrees)

Graduate School Master's Degree Program

The graduate school master's degree program produces engineers who have the following advanced specialist knowledge and skills according to our education philosophy and who can create new technology.

The master's degree is awarded to students who have satisfied the requirements for the master's degree as defined by the academic rules of Nagoya Institute of Technology Graduate School.

- 1 The ability to understand and observe human, cultural, and social problems from a technical perspective
- 2 The communication skills to be able to exchange ideas with researchers and engineers both inside and outside Japan in relation to specialist problems and technology
- 3 Advanced knowledge and technology that form the core of the field of specialization, and the skills to discover specialist problems and solve the problems by deepening expertise

2018 Graduate School of Engineering Master's Degree Program
Admissions Guide
For Privately-Financed International Students

1. Departments and The number of Places

Department	Number of students to be admitted
Life Science and Applied Chemistry	A few
Physical Science and Engineering	A few
Electrical and Mechanical Engineering	A few
Computer Science	A few
Architecture, Civil Engineering and Industrial Management Engineering	A few

2. Eligibility Requirements

Eligible applicants are non-Japanese nationals (except those who have been given approval of permanent residence in Japan, and those who have graduated, or are expected to graduate, from a Japanese university), who hold the Status of Residence, “College Student” (*ryugaku*), or who will be able to obtain the same status after entering the graduate school; and to whom any of the criteria listed below apply.

If you apply for the graduate school before obtaining the status of College Student, as a prospective holder of the said status, be sure to change your status to “College Student” after completing the admission procedure without delay. Failure to obtain the status of College Student will result in the revocation of the admission.

- ① Applicants who completed, or are expected to complete by March 31, 2018, a 16-year school education program in a country/region other than Japan.
- ② Applicants who completed, or are expected to complete by March 31, 2018, a 16-year school education program of a country/region other than Japan, by studying, in Japan, specific subjects via a correspondence course provided by an academic institution based in the said country/region.
- ③ Applicants who were awarded, or are expected to be awarded by March 31, 2018, a degree equivalent to bachelor's by universities overseas or others (only which are comprehensively evaluated with their activities of educational research and so on by the bodies certified by their governments or organizations concerned, or separately designated by Ministry of Education, Culture, Sports, Science and Technology as equivalent) to complete the program which is more than 3 years (including to complete the equivalent programs by taking the correspondence course subjects in Japan, which are provided by the schools overseas).
- ④ Applicants who completed, on or after a specific date designated by the Minister of Education, Culture, Sports, Science and Technology of Japan, a specialized course (*senmon katei*) of a specialized training college (*senshu gakko*) designated by the same Minister separately. (The aforementioned course shall comprise a program of at least four years, and shall satisfy other requirements and standards prescribed by the Minister.)
- ⑤ Applicants designated by the Minister of Education, Culture, Sports, Science and Technology:

The graduate school treats individuals described below as “persons recognized as having an academic ability equivalent to, or higher than, that of a university graduate”:

Applicants who completed a university education in a country/region where the period of schooling program until completion of its university education is less than 16 years; who were, or have been, engaged in research activities for a substantial period of time (approximately one year, or more) after completion of the university education, as a research student, researcher or the like at a university or a research institution equivalent to a university, such as an “inter-university research institute corporation,” located in or outside of Japan; and who will reach 22 years of age by March 31, 2018.

- ⑥ Applicants whom the Graduate School of Engineering of Nagoya Institute of Technology (NITech) (hereinafter “Graduate School”) individually screens for eligibility for admission application, and whom the Graduate School recognizes as having an academic ability equivalent to, or higher than, that of a university graduate

The individual screening for eligibility for admission application is conducted by examining the educational records, work experience, experience of international activities, and other specific records of the prospective applicant. To receive the screening at the Graduate School, please submit to the Admission Office the documents specified below, in addition to Documents ①, ②, ③, ④, ⑨, ⑩, ⑪ and ⑫ listed in table "4 (2) Application documents, etc." on Page 5, no later than 4:00 pm., Monday, May 22, 2017.

- Documentation showing the general information, curriculum and other educational programs of your school of graduation
 - “Application Form of the Eligibility for Entrance” (form designated by NITech)
- Results of this individual screening and information regarding subsequent formalities will be sent to each prospective applicant by Monday, July 3, 2017.

3. Date and Deadline

Tuesday, July 18 to Friday, July 21, 2017

Application documents, etc., will be accepted from 9:00 a.m. through 4:00 p.m. at the window of the Admission Office. When submitted by post within Japan, the documents must be sent by registered express mail (*kakitome sokutatsu*), and must reach the Admissions Office no later than 4:00 p.m. on July 21, 2017. **If you are planning to submit by mail from outside Japan, please contact the Admissions Office beforehand.**

4. Application procedure

- (1) Submission of application documents, etc.

Before applying, please consult with the faculty member in NITech whom you would like to have as your academic advisor for your research proposal and the application for admission.

Applicants need to submit the documents, etc., listed below to the Admission Office at NITech by the prescribed deadline.

In the case of submitting the documents by mail, please choose the registered express mail and write with a red marker “大学院(博士前期課程)私費外国人留学生入学願書在中” (Graduate School of Engineering (Master’s Degree Program) Admission Application Form for Privately-Financed International Students enclosed) on the front of the envelope. If you live outside Japan, please contact the Admissions Office.

(2) Application documents, etc. The necessary documents

	Application document	Description
①	Application Form, Examination Admission Ticket and Photo Card (forms designated by NITech)	For the application form, attach a photograph (4 cm X 3 cm) which clearly shows the full face, head and shoulders, do not wear a hat, taken within the past 3 months.
②	Statement of Purpose (form designated by NITech)	Enter/describe necessary information in each box.
③	Certificate of academic record (transcript) * A photocopy will not be accepted.	Certification issued by the university you graduated from. The certificate in a language other than Japanese or English must be accompanied by a translation in either Japanese or English.
④	Certificate of graduation (expected graduation) * A photocopy will not be accepted.	Certification issued by the university you graduated from. The certificate in a language other than Japanese or English must be accompanied by a translation in either Japanese or English.
⑤	TOEFL or TOEIC L&R score report	Read the related information provided in section 4(3)[1] carefully.
⑥	Examination fee	30,000 yen For details of the examination fee payment, please refer to “How to pay the examination fee” on page 15.
⑦	Return envelope to mail Examination Admission Card (only for mail application)	Commercially available envelope (long format No. 3: 23.5 cm × 12 cm) with the postal code and address of your current residence and your name written on it, with a 362-yen stamp affixed. However, if applicants live outside Japan, the examination admission card will be sent by Express Mail Service (EMS). Please enclose an international reply coupon in the value of a 100g airmail letter.
⑧	Copy of certificate of residence	If you are a foreign national living in Japan, submit a copy of your certificate of residence (<i>juminhyo</i>) indicating your <u>Status of Residence</u> and <u>Period of Stay</u> . If you have not been registered, please submit a copy of passport.
⑨	Address stickers for correspondence	Please write the same address as that written in the section for the "Current residence" on the Admission Application Form.
⑩	Documentation certifying your experience of research activities * Free format	Submit this documentation if you are subject to the application eligibility criterion [5]. I.e., a documentation certifying that you “were, or have been, engaged in research activities for a substantial period of time (approximately one year, or more) after completion of university education, as a research student, researcher or the like at a university or a research institution equivalent to a university, such as an “inter-university research institute corporation,” located in or outside of Japan”

(3) Notes

① Submission of TOEFL or TOEIC L&R score report

Submit the following documents as applicable to your case:

A. TOEFL-iBT

Submit the Official Score Report. Examinee Score Report is not acceptable.

Request Educational Testing Service (ETS) to send your Official Score Report to NITech so that the Report will reach NITech no later than the admission application deadline. Requests can be made by either of the following methods:

- Requesting ETS directly at the time of application for a TOEFL test or by 10:00 p.m. on the day prior to the TOEFL test day (Free of charge)
- Requesting ETS directly on or after the TOEFL test day (Charged)

NITech's Designated Institution Code (DI Code): 8549

It may take approximately two months before the Official Score Report reaches NITech. Be sure to make the request well before the admission application deadline. If the Official Score Report does not arrive at NITech within the admission application period, your application documents will be regarded as incomplete.

If you would like to confirm that the TOEFL official score report has been arrived at NITech, please send us e-mail (nit.nyushi@adm.nitech.ac.jp) as follows:

Subject: TOEFL official score report

Body of e-mail: ①Name (alphabet)

②TOEFL Test Date

③TOEFL Registration Number

④Date of Birth

B. TOEIC Listening & Reading Test (TOEIC L&R)

Submit the Official Score Certificate with a face photograph issued by the TOEIC Steering Committee. A photocopy is not accepted.

The submitted TOEIC L&R Official Score Certificate will be returned to each applicant together with the mailing of the Examination Admission Card.

C. None of the above-mentioned score sheets for submission must be dated more than two years before the admission application period.

Note that score reports of TOEFL-ITP, TOEIC-IP and other tests under an institutional program specially arranged for a specific group will not be accepted.

- ② All application documents should be filled in using a **ballpoint pen** or a **black ink pen (erasable pens not allowed)** using legible printing. If you make a mistake, cross it out with two lines and write the correct information in the margin. (You do not need a correction stamp.)
- ③ Regarding the application documents, etc, listed in the table 4(2), incomplete documents will not be accepted.
- ④ After you have submitted the application documents, etc., no requests for return or change of entries in any document will be accepted.
- ⑤ The paid examination fee will not be refunded.
- ⑥ Any misrepresentation of facts in the items entered in the submitted documents, etc., will justify the denial or cancellation of your admission even after you have been admitted.
- ⑦ The personal information used for the screening of admissions at NITech will be dealt with as follows under the Act on the Protection of Personal Information Held by Independent Administrative Agencies, etc.:
 - A. NITech will use it for investigation and research for future screening of admissions.
 - B. NITech may entrust part of the screening of admissions and the investigation and research described in Item A above to contractors with which NITech has made a nondisclosure

agreement (hereinafter referred to as "the contractors"). In this case, NITech provides the personal information to the contractors within the scope of the entrusted affairs.

- C. Regarding application documents and the personal information used for the screening of admissions of the enrolled students, NITech will use it for the academic affairs, including register management, and affairs related to study support and student support.

5. Examination Admission Ticket

The Examination Admission Ticket will be issued on the spot to applicants who have brought the application documents, etc., to the Admissions Office in person. The Ticket will be mailed to applicants who have mailed the application documents, etc.

6. Preliminary Consultation for Applicants with Disabilities or Others

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

(1) Date and consultation

By Friday, June 23, 2017

By the date above, you should inform the Admissions Office of the content of your requirements, either in writing, or by phone, or other means. The Office may conduct a meeting on campus, if necessary, by inviting you or a staff member of your school who can provide the necessary explanation on your behalf.

(2) Contact information

Refer to section "16 Contact information" on page.10

7. Visa (Coming to Japan for the Entrance Examination)

Depending on your nationality, applicants who intend to enter Japan to take the entrance examination must obtain a visa. For details, please contact your local Japanese Embassy or Consulate.

NITech cannot be your "Inviter" or "Guarantor" when applicants apply for their 'short-term visa'.

Please prepare for the necessary conditions and apply for the visa on your own

For further information, please refer to the Ministry of Foreign Affairs website:

http://www.mofa.go.jp/j_info/visit/visa/index.html

8. Selection Process

Applicants will be selected based on an overall assessment of the academic ability test results, the interview and their transcript. Applicants must take all the academic ability tests and interviews that are prescribed by NITech. Since screening judgment is made in comprehensive consideration of the applicant's field of choice, test results, and other factors, he/she may be admitted to the field of his/her second or third choice, instead of the first choice.

(1) Academic ability test

- ① Specialized examination (written examination: 200-points scale. convert 200 into 300)

Date: Thursday, August 17, 2017; 10:00 a.m. – 12:00 p.m.

On the examination day, applicants MUST choose, on-site, TWO subjects out of the 41 subjects listed in the Schedule on Page 11, and answer the relevant questions. Such two subjects must be chosen from among the specific subjects designated for the field of your choice. Although questions will be provided in Japanese, answers may be given either in Japanese or English.

- ② Foreign language-examination (100 points scale)

For the foreign-language examination, applicants receive points based on their TOEFL or TOEIC

L&R scores. The conversion of TOEFL and TOEIC L&R scores to English points will be based on the range given in the conversion table below.

To be valid, score sheets need to be dated within the two years prior to the submission period for this examination. Additionally, if scores for both TOEFL and TOEIC L&R are submitted, the highest point score after conversion will be used.

TOEIC L&R	TOEFL – iBT	Written examination score
990	120	100
10	0	0

(2) Interview

Date: Wednesday, August 18, 2017; 12:45 p.m.

Individual interviews will be conducted to examine the applicant’s motivation for research, aptitude, personality, etc.

9. Examination Site

Nagoya Institute of Technology, Nagoya city, Aichi prefecture

Detailed information will be provided on the examination day, in front of Building No. 2 on NITech campus.

10. Announcement of Successful Applicants and Admission Procedure

- (1) Successful applicants will be announced on the NITech website (<http://www.nitech.ac.jp/>) at 10:00 a.m., Friday, September 8, 2017, by posting their examinee numbers. Letters of acceptance will also be sent to such applicants. No inquiries by telephone will be accepted.
- (2) Successful applicants (or their proxies) should carry out the admission procedure at the date shown below.

If the admission procedure is not carried out by the prescribed deadline, the applicant will be considered to have declined admission. Note that the admission procedure can also be conducted by mail in accordance with the Admission Procedure Guide which will be sent in November, 2017. The documents required for admission procedure will be included in the envelope with the Admission Procedure Guide.

Date and Time of Admission procedure	Location
Monday, December 18, 2017 9:00 a.m. to 4:00 p.m.	Nagoya Institute of Technology

11. Necessary fees for Admission Procedure

Admission fee	282,000 yen (estimated)	
Tuition	Annual amount: 535,800 yen (estimated)	{ First semester: 267,900 yen Second semester: 267,900 yen

Notes

- 1: If the admission fee and/or the tuition are revised by the admission or during the enrollment, the new admission fee and/or the tuition will be applied from the time of the revision.
- 2: NITech has a system whereby students can pay the tuition for both the first and second semesters at the time of paying the tuition for the first semester if they so wish.
- 3: Successful applicants who do not pay the tuition (for the first semester) at the time of the admission procedure must pay it between Monday, April 2 and Monday, April 30, 2018.
- 4: The paid admission fee and tuition will not be refunded, in principle. However, in the case of persons who have completed the admission procedure but who decline the enrollment by Saturday, March 31, 2018, the amount equivalent to the tuition will be refunded later, upon request from the person who paid the tuition.
- 5: NITech has a system where students may delay or be exempt from paying the admission fee and the tuition.

12. Public Information

The following information will be disclosed regarding the entrance examination for the master's degree program of the Graduate School in 2018.

(1) Applications figures, etc.

The numbers of applicants, examinees, successful applicants and enrolled students are provided on the NITech website and from the Admissions Office.

(2) Examination questions, etc.

① Examination questions

Examination questions for the past three years are available on the NITech website. Note, however, that some questions may not be available, subject to the Copyright Act.

② Correct answers, sample answers (For questions to which correct answers or sample answers cannot be provided, the aim of asking the question and the focus of evaluation will be explained.)

③ Method of disclosure

Information regarding examination questions, answers, etc., will be available on the NITech website in early September, 2017.

(3) Examination results

① Upon request from examinees, the following item will be disclosed:

Comprehensive evaluation (A, B or C)

Examination results will not be disclosed to those who have been removed from the list of examinees due to absence from the examination(s) for one or more subjects.

② Request.

a) period

Monday, September 11 to Friday, September 22, 2017

b) Way to Request

At the Admission Office counter or by mail, please submit the "Examination Result Disclosure Request" (the form designated by the NITech), accompanied by the Examination Admission Card and a return-mail envelope for the examination result (a commercially available long format No. 2 envelope with your postal code, address and name written on it, with a 280-yen stamp affixed)

③ Notification

The result will be mailed to each applicant in early October 2017.

13. Area of Study in Each Department

To complete the Admission Application Form, refer to the separately bound "List of Advisers at the Graduate School of Engineering (Master's Degree Program)" for the necessary information to enter the names of the Department of your choice, fields and academic advisers.

14. Approval of Course Completion; Conferment of Academic Degree

A Master's Degree ("Engineering" or "Arts") will be conferred on a student who has attended the master's degree program of the Graduate School for no less than two years, who has acquired at least 30 credits from subjects specified in each Department, who has received necessary instructions and advice in his/her research, and who has passed the screening regarding the master's Thesis and the final examination conducted by the Graduate school.

15. 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. International applicants who fall under any of the conditions set out in said regulations may be unable to enter their desired course or program.

Access the following webpage for more details:

URL:<http://www.meti.go.jp/policy/anpo/englishpage.html>

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

16. Contact Information

For inquiries about Admissions Guide, please contact us by e-mail or telephone.

Admissions Office, Nagoya Institute of Technology

Gokiso-cho, Showa-ku, Nagoya City 466-8555

Telephone: +81-52-735-5083

Fax: +81-52-735-5084

E-mail: nit.nyushi@adm.nitech.ac.jp

Appendix: Selection Questions

The questions you may select are determined by your preferred department. The questions that correspond to each department are indicated by circles in the table below. You must select two of those questions.

Question No.	Question subject	LC	PE	EM	CS	AC
1	Calculus and Linear Algebra	<input type="radio"/>	<input type="radio"/>		<input type="radio"/>	<input type="radio"/>
2	A [Inorganic chemistry], B [Synthesis of inorganic materials]	<input type="radio"/>				
3	A [Organic chemistry], B [Polymer synthesis]	<input type="radio"/>				
4	[Polymer science]	<input type="radio"/>				
5	A [Basic physical chemistry], B [Polymer physical chemistry]	<input type="radio"/>				
6	A [Analytical chemistry], B [Structural analysis and characterization of inorganic materials]	<input type="radio"/>				
7	A [Polymer material properties], B [Biochemistry]	<input type="radio"/>				
8	A [Chemical engineering], B [Physical properties of inorganic materials]	<input type="radio"/>				
9	Physical chemistry		<input type="radio"/>			
10	Crystallography		<input type="radio"/>			
11	Materials physics		<input type="radio"/>			
12	Materials processing		<input type="radio"/>			
13	Quantum mechanics		<input type="radio"/>	<input type="radio"/>		
14	Electric circuits, electronic circuits		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
15	Electromagnetics		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
16	Electronic properties		<input type="radio"/>	<input type="radio"/>		
17	Control engineering		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
18	Mechanics and material mechanics		<input type="radio"/>	<input type="radio"/>		
19	Fluids Engineering		<input type="radio"/>	<input type="radio"/>		
20	Thermodynamics		<input type="radio"/>	<input type="radio"/>		
21	Materials and processing		<input type="radio"/>	<input type="radio"/>		
22	Computer software				<input type="radio"/>	
23	Computer hardware				<input type="radio"/>	
24	Information theory			<input type="radio"/>	<input type="radio"/>	
25	Mathematics 1				<input type="radio"/>	
26	Mathematics 2				<input type="radio"/>	
27	Architectural materials and structures					<input type="radio"/>
28	Architectural environments					<input type="radio"/>
29	Architectural, planning design and history					<input type="radio"/>
30	Design theory					<input type="radio"/>
31	Design production					<input type="radio"/>
32	Structural mechanics and concrete engineering for civil engineering					<input type="radio"/>
33	Hydraulics and geomechanics for civil engineering					<input type="radio"/>
34	Planning for civil engineering					<input type="radio"/>
35	Industrial strategy					<input type="radio"/>
36	Operations management					<input type="radio"/>
37	Human resources and systems management					<input type="radio"/>
38	Mathematical analysis for management					<input type="radio"/>

Note 1:	Some questions are further divided into subject categories A and B. This means that the examinee gets a choice of which question to answer. For example, question 2 gives the examinee the choice of answering either question A [Organic chemistry] or question B [Polymer synthesis]	
Note 2:	LC = Life Science and Applied Chemistry EM = Electrical and Mechanical Engineering AC = Architecture, Civil Engineering and Industrial Management Engineering	PE = Physical Science and Engineering CS = Computer Science

Scope of Questions Covered by Each Question Subject

No.	Question subject	Question scope
1	Calculus and Linear Algebra	Calculus and Linear Algebra (focused on calculation problems), but excluding ordinary differential equations
2	A [Inorganic chemistry] B [Synthesis of inorganic materials]	A: General inorganic chemistry, complex chemistry, electrochemistry, bio-inorganic chemistry B: The basics of inorganic materials, such as materials chemistry, as well as thermodynamics, organization control, ceramics surface chemistry, synthesis of crystalline materials and amorphous materials, etc.
3	A [Organic chemistry] B [Polymer synthesis]	A: General organic chemistry, natural products chemistry, bioorganic chemistry, etc. B: Chain polymerization, successive polymerization, polymer reaction, characterization, etc.
4	[Polymer science]	Design, properties, structure, and functionality of natural polymers and synthetic polymers
5	A [Basic physical chemistry] B [Polymer physical chemistry]	A: Chemical thermodynamics, quantum chemistry / structural chemistry B: Physical chemistry of polymer solutions, liquids, and solids, polymer structure, etc.
6	A [Analytical chemistry] B [Structural analysis and characterization of inorganic materials]	A: Chemical equilibrium for use in analysis, solvent extraction, chromatography, electrochemical analysis, spectroscopic analysis, mass spectrometry, etc. B: Inorganic structural chemistry, quantum chemistry, crystallography, structural analysis, materials analysis, etc.
7	A [Polymer material properties] B [Biochemistry]	A: Polymer material characteristics, rubber elasticity, viscoelasticity, time/temperature conversion rules, etc. B: Enzyme reaction, enzyme activity regulation, energy metabolism of mammals, metabolic regulation by hormones
8	A [Chemical engineering] B [Physical properties of inorganic materials]	A: Basic chemical engineering, transport phenomena B: Revealing the properties and structure of inorganic materials, including electronic properties, materials science, and material strength studies
9	Physical chemistry	Thermodynamics, thermal properties, quantum properties
10	Crystallography	Crystal analysis, structure analysis, material structure, metallic materials
11	Materials physics	Mechanical properties, electronic physical properties, functional materials
12	Materials processing	Environmental materials chemistry, physical chemistry, material processing
13	Quantum mechanics	Basic framework of quantum mechanics, problems of bound states and scattering states in spatial one-dimensional systems

14	Electric circuits, electronic circuits	Transient phenomena in direct current circuits, alternating current circuit theory (excluding three-phase alternating current circuits), bipolar transistor amplifiers and operational amplifiers
15	Electromagnetics	Electrostatic fields, stationary current, static magnetic fields, electromagnetic induction (excluding electromagnetic waves)
16	Electronic properties	Crystal structures, energy bands, metals/semiconductors/insulators, density of states, Fermi level, electrons and holes, electrical conduction, the Hall effect
17	Control engineering	Laplace transform, transfer functions, block diagrams, system response, frequency response, system stability
18	Mechanics and material mechanics	Basic knowledge of statics and dynamics of material particles and rigid bodies; momentum, impulse and energy; strain and stress; tension and twist of bars; bending of beams, etc.
19	Fluids Engineering	Hydrostatics, one-dimensional flow (including Bernoulli's theorem), momentum theory, dimensional analysis, pipe flow, basic equations of fluid mechanics, potential flow
20	Thermodynamics	First law, second law, ideal gas, general thermodynamic relations, gas cycles, steam cycles, effective utilization of thermal energy, etc.
21	Materials and processing	Basic matters of mechanics of plasticity; fundamental knowledge of basic machine materials
22	Computer software	Data structures and algorithms, formal language and automata, mathematics for computer science
23	Computer hardware	Computer fundamentals, logic circuits, computer structure
24	Information theory	Entropy, source coding, channel coding
25	Mathematics 1	Complex analysis, vector analysis, differential equations (including Fourier series)
26	Mathematics 2	Questions that test the applicant's mathematical thinking skills through a range of mathematics that includes the theoretical side of probability, sets and topology, calculus and linear algebra
27	Architectural materials and structures	All aspects of architectural materials, construction methods, and architectural structures
28	Architectural environments	All aspects of architectural environments and equipment
29	Architectural, planning design and history	All aspects of architectural and urban planning, architectural design and architectural history
30	Design theory	All aspects of design theory
31	Design production	All aspects of design production
32	Structural mechanics and concrete engineering for civil engineering	Structural mechanics and concrete engineering, in general, in the field of civil engineering
33	Hydraulics and geomechanics for civil engineering	Environmental hydraulics, soil mechanics and geotechnical engineering, in general, in the field of civil engineering

34	Planning for civil engineering	Infrastructure planning in the field of civil engineering (linear programming, queuing theory, cost-benefit analysis, mean deviation testing, regression analysis, process management) and civil engineering ethics
35	Industrial strategy	Management strategy, marketing, business management
36	Operations management	Production management, project management, project systems engineering, risk management
37	Human resources and systems management	Systems approach, human factors, management psychology
38	Mathematical analysis for management	Quality management, engineering economy, operations research

How to pay the examination fee

1 Examination fee:30,000 yen

2 Payment period: Monday, July 10 to Friday, July 21, 2017

3 Payment method

(1) Pay in Japan

① Payment at Post office

- A) Please use the bound sheet “Payment slip”. Please be sure to pay the correct amount of the fee at Japan Post Bank head/branch office or a post office.
- B) With a black ballpoint pen (erasable pens not allowed), write the address, name and telephone number of the applicant in the section marked with ※ on the “Payment slip”, and the address, name etc. of the applicant in the section marked with ※ on the “Billing statement and receipt for transfer payment.”
- C) Please be sure to confirm that the “Billing statement and receipt for transfer payment” and the “Certificate of transfer payment (for customer)” are both date-stamped when receiving them at a teller window of a Japan Post Bank head/branch office or a post office.
- D) The transfer fee is to be borne by the applicant.

② Payment at Convenience stores

- A) You cannot use the attached “Payment slip” at convenience stores (This slip can the only be used for payments at the post office).
- B) You can pay at the following convenience stores:
Seven-Eleven, Lawson, MINISTOP, Family Mart or Circle K Sunkus
- C) Please use a multimedia terminal to receive your payment slip. Once you have received it, take it to the cashier to make your payment in cash.
- D) The transfer fee is to be borne by the applicant.

③ Important notice

- A) Application cannot be accepted if the examination fee has not been paid, or if “Certificate of transfer payment (for customer)” has not been pasted on the designated space on the Admission Application Form.
- B) The examination fee cannot be returned for any reason after NITech has received the application documents.
- C) Please do not pay twice even where it is necessary to use another Admission Application Form instead of the Admission Application Form with the date-stamped “Certificate of transfer payment (for customer)” affixed. For example, if you notice errors in the Form after pasting the date-stamped Certificate on it, please cut off the date-stamped Certificate of transfer payment (for customer)” together with the Admission Application Form and paste them into the prescribed space on the new form.

(2) Remittance from overseas to Japan

Please transfer the examination fee to the below account

Type of Remittance	Telegraphic Transfer
Payment Instruction	Advice and Pay
Purpose of Remittance	Screening Fee
Amount	30,000 yen and bank commission ※ The bank commission will be borne by the applicant.
Bank Name	Sumitomo Mitsui Banking Corporation
Branch	Kamimaezu Branch
Swift code	SMBCJPJT
Account Number	A/C No. 7227176
Payee's Name	National University Corporation Nagoya Institute of Technology
Branch Address	3-46-24,Osusaka-ku,Nagoya-shi,Aichi,460-0011,Japan
Payee's Address	29,Aza,Kiichi,Gokiso-cho,Showa-ku,Nagoya-shi,Aichi, 466-8555,Japan

(Important notice)

- ① The bank commission will be borne by the applicant. Please make sure to pay 30,000yen examination fee, a foreign transfer fee and an exchange processing fee to our account. If the payment is not made in full, the application will not be accepted.
- ② Your payment must be arrived in the payment period. Note that Overseas Remittance takes several days to be confirmed.
- ③ A Copy of International Remittance Application with the receipt stamp or signature at the bank should be included in the envelope along with your application documents.
- ④ If your examination fee is overpaid, we will refund you the balance after deducting the transfer fee. In case the transfer fee is over the balance, we cannot refund you.

FY 2018 Graduate School of Engineering, Nagoya Institute of Technology (Master's Degree Program) Admission Application Form

Desired department											Examinee's No.															
Name	Write the reading of your name italicize kana. Use one box for each kana, and leave a space between your first name and family name.										Nationality (write if you are not Japanese)															
	<table border="1" style="width: 100%; height: 20px;"> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> </table>																									
Name in Roman block capitals																										
Sex	Male / Female		Date of birth						(Y)			(M)			(D)											
Feld of choice / Adviser name	1st choice	Field name						Adviser name																		
	2nd choice	Field name						Adviser name																		
	3rd choice	Field name						Adviser name																		
Graduating university, etc.	University:																									
	Department:..... faculty:																									
(Expected) Date of graduation (M) (Y)																										
Applicant	Current residence	Mailing address																								
		Telephone																								
		Mobile phone			E-mail																					
Other contact information (parent, etc.)	address	Mailing address																								
		Telephone																								
	Katakana	Name			Relationship to applicant																					
Education	[M]	[Y]	~	[M]	[Y]	Elementary School					years															
	[M]	[Y]	~	[M]	[Y]						years															
	[M]	[Y]	~	[M]	[Y]						years															
	[M]	[Y]	~	[M]	[Y]						years															
	[M]	[Y]	~	[M]	[Y]						years															
Work experience	[M]	[Y]	~	[M]	[Y]						Period of office years															
	[M]	[Y]	~	[M]	[Y]						years															
	[M]	[Y]	~	[M]	[Y]						years															

- Notes1: Do not fill in the space marked with an asterisk (*).
 2: To complete this form, read the Application Guidelines carefully. Review your entries, and check for any omissions or errors.
 3: To fill in the boxes "Field of choice / Adviser name," choose the fields you wish to study from among the fields provided in the Department of your choice, and enter the names of those fields, along with the names of faculty members from whom you wish to receive instructions. For details regarding the names of the fields and academic advisers and their primary research themes, refer to the separately bound "List of Advisers." The field and academic adviser to which/whom you are to be assigned after admission will be decided on the basis of your examination results, confirmation during the interview, and other factors; and will be notified at the time of sending the letter of acceptance.
 4: Regarding educational records, list all your educational records up to the present, including those from elementary school through high school, those of subsequent studies at home, preparatory school, etc., and those as a research student. For the record of university education, specify the faculty and department, in addition to the name of the university.

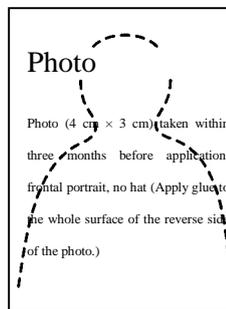
TOEFL	TOEIC L&R

Do not fill in these boxes.

FY 2018 Graduate School of Engineering, Nagoya Institute of Technology
(Master's Degree Program) Entrance Examination

Photo Card

Desired department (Intended field)		Examinee's No.
()		*
Furigana		
Name		



FY 2018 Graduate School of Engineering, Nagoya Institute of Technology
(Master's Degree Program) Entrance Examination

Examination Admission Ticket

Desired Department (Intended field)		Examinee's No.
()		*
Furigana		
Name		

Read the notes for the examination provided on the reverse side carefully.

Notes for Examination

- Be sure to bring this Examination Admission Ticket to the examination site. Before taking a seat in the examination room, confirm that the examinee number on the desk matches the number of Examination Admission Ticket. In case the Ticket has been lost, apply to the Admission Office for a reissuance of the card prior to the examination. If you lose the Ticket on the examination day, notify the Admission Examination Headquarters as soon as possible or cut.
- On the examination day, check the location (room) for the examination on the notice posted in front of Building No. 2 on campus, and enter the room by 9:45 a.m. examination on the notice posted in front of Building No. 2 on campus, and enter the room by 9:45 a.m.
- Examinees must take all the academic ability tests and interviews prescribed by NITech.
- Nothing is allowed to be placed on the examination desk except: the Examination Admission Ticket, black pencils, mechanical pencils, an eraser, a pencil sharpener and a watch (with clock function only).
- Smartphones, mobile phones and watch type terminals and/or other devices that can make sounds must be switched off, while in the examination room. If an alarm is set with any such device, cancel it before switching off the device.
- The examination proceedings will be directed by the supervisor.
- If you arrive late for the examination, you will be allowed to take it only if the delay is 30 minutes or less after the start of the examination.
- The supervisor may order an examinee out of the room if the examinee commits any improper act and/or fails to follow instructions given by the supervisor, while in the examination room.
If an act of the examinee is determined to be improper, he/she will be disqualified from taking the remaining schedule of the examination and screening, and all the examinations/screenings he/she has taken hitherto will be invalidated.
- In principle, examinees will not be allowed to leave the room during the examination.
- A notice with details of the interview rooms will be posted in the examination room.
- The interview will be conducted by the Department of the examinee's choice. Report to the designated place by the designated time, and follow the directions given by the Department staff.

Statement of Purpose

Desired department (field)	Department of (Field)	Examinee's No.	*
Graduating university	Graduate School of Department of	Furigana	
	Major: Graduated/expected to graduate on: / /	Name	
Please write about the following items.			
1. Subject of graduation thesis (graduation research)			
2. Reason for choosing the Department			
3. Subjects which you wish to study at the Graduate School of Engineering and their description			

FY 2018 Graduate School of Engineering, Nagoya Institute of Technology (Master's Degree Program)

Notes:

1. Do not fill in the space marked with an asterisk (*).
2. For the "Reason for choosing the Department" and the "Subjects which you wish to study at the Graduate School of Engineering and their description," please write in about 100 words on each.

FY 2018

Graduate School of Engineering, Nagoya Institute of Technology (Master's Degree Program)

Application for the Entrance Eligibility

(For applicants with the Eligibility for Application ⑥)

Examinee's No.	*	Date of Application	
Department of your choice		Intended field	
Furigana		Present status	
Name			
Date of birth (age)	/ / ()	Address	
Academic background and qualifications			
Date	Description		
Professional background (including practical work experience, experience of international activities, etc.)			
Date	Description		

Notes

- 1: Do not fill in the space marked with an asterisk (*).
- 2: Attach documentation certifying each record entered in the "Description" boxes.