

For Enrollment April 2018  
Graduate School of Engineering  
(Master's Degree Program)

## Admissions Guide

Nagoya Institute of Technology

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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 seminar’s 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

# Graduate School of Engineering Master's Degree Program

## Admissions Guide for Enrollment in April 2018

The Graduate School of Engineering of the Nagoya Institute of Technology (NITech) invites prospective students for the Master's Degree Program as follows:

### 1. Departments and the Number of Places

Department	Number of students to be admitted
Life Science and Applied Chemistry	107
Physical Science and Engineering	50
Electrical and Mechanical Engineering	84
Computer Science	75
Architecture, Civil Engineering and Industrial Management Engineering	57(10) Note

Note 1. The Architecture, Civil Engineering and Industrial Management Engineering major includes 10 students for NITech Business Design School (short-term course)

Note 2. NITech Business Design School (short-term course) in the Department of Architecture, Civil Engineering and Industrial Management Engineering is aimed at working people. The course takes at least one year to complete but less than two (courses that can be completed in a minimum of one year).

Note 3. Students who wish to apply for NITech Business Design School (short-term course) in the Department of Architecture, Civil Engineering and Industrial Management Engineering should refer to "Application Requirements for NITech Business Design School (short-term course) in the Department of Architecture, Civil Engineering and Industrial Management Engineering".

Note 4. In addition to this admissions period, NITech Business Design School (short-term course) in the Department of Architecture, Civil Engineering and Industrial Management Engineering is also admitting a few students in February 2018. An admissions guide for the course will be released in late November 2017.

### 2. Eligibility Requirements

Applicants must satisfy one of the following requirements:

- (1) Applicants who have graduated from university or who expect to do so by March 31, 2018
- (2) Applicants who have received, or expect to receive by March 31, 2018, a bachelor's degree as stipulated in Section 4, Article 104 of the of the School Education Act
- (3) Applicants who have either completed 16 years of schooling overseas or expect to do so by March 31, 2018
- (4) Applicants who, while residing in Japan, have completed, or expect to complete by March 31, 2018, the equivalent of a 16-year educational program at an academic institution in a country other than Japan through a correspondence program at that institution

- (5) Applicants who, while residing in Japan, have completed or expect to complete by March 31, 2018, a program at an academic institution in a country other than Japan that is designated by the Minister of Education, Culture, Sports, Science and Technology as equivalent to a university program (provided that the applicant has completed a 16-year school education in the said country)
- (6) 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 program by taking the correspondence course subjects in Japan, which are provided by the schools overseas, and a program at an academic institution in a country other than Japan that is designated in (5)).
- (7) Applicants who have completed a vocational program at a vocational school (provided that it is at least a four-year program that also meets other standards set by the Minister of Education, Culture, Sports, Science and Technology) specified by the Minister of Education, Culture, Sports, Science and Technology, on or after the date specified by the Minister of Education, Culture, Sports, Science and Technology
- (8) Applicants specified by the Minister of Education, Culture, Sports, Science and Technology as eligible
- (9) Applicants who are currently enrolled in at least their third year at university and who will be approved by the Graduate School of Engineering at NITech if they receive good grades in their prescribed courses
- (10) Applicants who have completed a 15-year school education in a country other than Japan and will be approved by the Graduate School of Engineering at NITech if they receive good grades in their prescribed courses
- (11) Applicants who, while residing in Japan, have completed a 15-year school education in a country other than Japan through a correspondence at that institution and will be approved by the Graduate School of Engineering at NITech if they receive good grades in their prescribed courses
- (12) Applicants who, while residing in Japan, have completed a program at an academic institution in a country other than Japan that is designated by the Minister of Education, Culture, Sports, Science and Technology as equivalent to a university program (provided that the applicant has completed a 15-year school education in the said country other than Japan) and will be approved by the Graduate School of Engineering at NITech if they receive good grades in their prescribed courses
- (13) Applicants who are recognized by the Graduate School of Engineering at NITech as having a scholastic ability equal to or higher than that of a university graduate as a result of individual Admission eligibility evaluation, and will reach 22 years old by March 31, 2018

Note 1: Students applying under eligibility requirements (9), (10), (11), or (12) should refer to “Applying under Eligibility requirements (9), (10), (11), or (12)” on page 15.

Note 2: Students applying under eligibility requirement (13) should refer to “Applying under Eligibility requirement (13)” on page 15.

**Application Requirements for NITech Business Design School (short-term course) in the Department of Architecture, Civil Engineering and Industrial Management Engineering**

Applicants who wish to enroll in NITech Business Design School (short-term course) must be working people who meet the aforementioned eligibility requirements, who can attend lectures during the day and evening, and who satisfy one of the following requirements.

- Applicants who have at least three years of practical experience (or who expect to have at least three years by the time of enrollment) in a technical field or business management field since graduating from university
- Applicants who have at least two years of practical experience (or who expect to have at least two years by the time of enrollment) in a technical field or industrial management field since graduating from university and have been recommended by a government agency in particular, or company or organization working actively for community cooperation
- Applicants recognized by the Graduate School of Engineering at NITech as having qualifications equal to or higher than those above

### 3. Dates and Deadline

**Tuesday, July 18 to Friday, July 21, 2017**

Application documents will be accepted between 9:00 a.m. and 4:00 p.m. Applications sent by mail **must be sent by registered express mail (*kakitome sokutatsu*) and must reach the Admissions Office no later than 16:00 on Friday, July 21.**

### 4. Application Procedure

#### (1) How to submit the application documents

Applicants need to submit the documents listed below to the Admissions Office at NITech by the prescribed deadline. Before applying, please consult with the faculty member in NITech whom you would like to have as your academic adviser for your research proposal and the application for admission.

In addition, applicants for admission to NITech Business Design School (short-term course) should contact the Admissions Office in advance.

**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) 入学願書在中” (Admission Application Form for the Graduate School of Engineering (Master’s Degree Program enclosed)) on the front of the envelope.

Please contact the Admissions Office if you are submitting the application documents from outside Japan.

#### (2) The necessary documents

The necessary documents		Description
①	Application form, Examination Admission Ticket, and photograph form (forms designated by NITech)	For the Photograph Form, attach a photo (4 cm tall x 3 cm wide) that clearly shows the full face, head and shoulders, without any hat, taken within the past three months.
②	Statement of Purpose (form designated by NITech)	Please fill in each item.
③	Academic transcript (copy not allowed)	Submit an academic transcript issued by your university. Applicants who are currently attending or have completed advanced courses at a college of technology must submit academic transcripts of their main and advanced courses. (This is not needed if you are applying for NITech Business Design School (short-term course) in the Department of Architecture, Civil Engineering and Industrial Management Engineering.) (If it is not written in Japanese or English, a Japanese or English translation must be included.)
④	Certificate of (expected) graduation (copy not allowed)	Submit a certificate of (expected) graduation issued by your university. (If it is not written in Japanese or English, a Japanese or English translation must be included.)
⑤	Recommendation letter (no designated format)	This is only needed if you are applying for NITech Business Design School (short-term course) in the Department of Architecture, Civil Engineering and Industrial Management Engineering. If the applicant is a business proprietor, he/she may instead submit proof of his/her status as a proprietor.
⑥	TOEFL or TOEIC L&R score report	Carefully read the instructions in section 4 (3) ①. (This is not needed for NITech Business Design School (short-term course) in the Department of Architecture, Civil Engineering and Industrial Management Engineering.)
⑦	Examination fee	30,000 yen For details of the examination fee payment, please refer to “How to pay the examination fee” on page 17. The fee can be paid at the counter of a Japan Post Bank/post office location or at a convenience store.

⑧	Return envelope to mail Examination Admission Ticket (only for mail application and residents in Japan)	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 ticket will be sent by Express Mail Service (EMS). Please enclose an international reply coupon in the value of a 100g airmail letter.
⑨	Mailing Sheet for correspondence (form designated by NITech)	Please write the same address as that written in the section for the “Current residence” on the Admission Application Form.
⑩	Other (no designated format)	<p>A. If you are a foreign national living in Japan, please submit a copy of your certificate of residence (<i>juninhyo</i>) indicating your <u>Status of Residence and Period of Stay</u>.</p> <p>B. If you are applying under eligibility requirement (2), “applicant who has received a degree”, you must submit a certificate of your bachelor’s degree, issued by National Institution for Academic Degrees and Quality Enhancement of Higher Education.</p> <p>C. If you are applying under eligibility requirement (2), “applicant who expects to receive a degree”, you must submit the following two documents.</p> <p>(a) A certificate stating that you expect to complete advanced courses at a junior college or college of technology in which you are currently enrolled</p> <p>(b) A certificate stating that you plan to apply for a bachelor’s degree issued by the president of the junior college or college of technology you are attending.</p>

(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 :
- ① Name (alphabet)
  - ② TOEFL Test Date
  - ③ TOEFL Registration Number
  - ④ Date of Birth

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

- (a) You must submit the original Official Score Certificate with a photograph of your face that was issued by the TOEIC Steering Committee. (A photocopy will not be accepted.)

Your TOEIC L& R Official Score Certificate will be returned to you along with your Examination Admission



Ticket.

C. To be valid, your score sheet must be dated within two years prior to the examination submission period.  
Scores for special examination systems like TOEFL-ITP and TOEIC-IP, etc. cannot be used.

- 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 Incomplete application documents cannot be accepted.
- ④ Once you have submitted admission application documents, you cannot make changes to the contents, and the documents you submit will not be returned.
- ⑤ Examination fees will not be refunded.
- ⑥ Any false information in the submitted documents will cause cancellation of one's admission even after you have been admitted.
- ⑦ The personal information used for the selection will be dealt with under the Act on the Protection of Personal Information Held by Independent Administrative Agencies:
  - a) NITech will use it for investigation and research for future selections.
  - b) NITech may entrust some processes of the selection 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 The Admission application documents and the personal information used for the selections, 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 to the Admissions Office in person. The Ticket will be mailed to applicants who have mailed the application documents.

## 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 Ordinance 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 "18 Contact Information" on page 11.

## 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](http://www.mofa.go.jp/j_info/visit/visa/index.html)

## 8. Selection Process

Applicants will be selected based on a comprehensive assessment of their academic evaluation results, interview results, letter of recommendation (only needed for NITech Business Design School (short-term course) in the Department of Architecture, Civil Engineering and Industrial Management Engineering) and academic transcripts. Applicants must participate in all examinations and interviews indicated by NITech. Then NITech will reconfirm their preferred field and adviser with them in the interview, however in some cases, they may not be accepted their first preferred field and adviser.

### (1) Examinations

① Field-specific examination (written examination, 300 points total)

9:00 to 12:00 on Thursday, August 17, 2017

On the day of the examination at the examination site, applicants must select three topics from among those specified as part of their preferred department on page 12, “Appendix: Selection Questions”. Although questions will be provided in Japanese, answers may be given either in Japanese or English.

② Foreign-language examination (100 points total)

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 test score
990	120	100
10	0	0

③ Oral examination for working people —Thursday, August 17, 2017(Examination time will be announced from the department) Applicants of working people other than those applying for NITech Business Design School (short-term course) in the Department of Architecture, Civil Engineering and Industrial Management Engineering (and excluding those currently attending NITech) may take the oral examination for working people, which covers field-specific topics related to the applicant’s preferred field and details of the applicant’s work experience report instead of the aforementioned **field-specific examination (written examination)** used for academic evaluation. Applicants who wish to do this should refer to “About the Oral Examination for Working Adult Students” on page 16.

④ Examination for NITech Business Design School (short-term course) in the Department of Architecture, Civil Engineering and Industrial Management Engineering —Friday, August 18, 2017(Examination time will be announced from the department)  
Applicants for NITech Business Design School (short-term course) in the Department of Architecture, Civil Engineering and Industrial Management Engineering take their foreign language examination and field-specific examination in the form of an oral examination.

### (2) Interviews

Starting at 12:45 on Friday, August 18, 2017

A personal interview that covers research ambitions, aptitudes, character, etc. will take place.

## 9. Examination Site

The Nagoya Institute of Technology, Nagoya city, Aichi prefecture

Detailed information will be posted at Building No. 2 on the examination day.

## 10. Announcement of Successful Applicants and Admission Procedure

- (1) An announcement of successful applicants will be made by posting the examination numbers of successful applicants on the website of NITech (<http://www.nitech.ac.jp/>) at 10:00 on Friday, September 8, 2017, and also by mailing letters

of acceptance to each successful applicant.

Results will not be available on the phone.

Additionally, your Examination Admission Ticket will be needed for the admission procedure, so please keep it.

- (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 fee	Annual amount: 535,800 yen (estimated) { First semester: 267,900 yen Second semester: 267,900 yen

Note 1: If the admission fee and/or the tuition fee are revised, they will be applied from the time of the revision.

Note 2: Students who would like to pay the annual fees in one payment can pay them when paying the tuition for the first semester.

Note 3: Students who do not pay the tuition (for the first semester) during the admission process must pay it between Monday, April 2 and Monday, April 30, 2018.

Note 4: The paid admission fee and tuition will not be returned in principle. However, in the case of persons who have completed the admission procedure but who decline to enroll by Saturday, March 31, 2018, the relevant tuition will be returned upon request.

Note 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 on the entrance examination for the master's degree program at the Graduate School of Engineering in 2018 will be disclosed.

- (1) Application figures

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

- (2) Examination questions

- ① Examination questions

Examination questions from the past three years are available on NITech's website.

However, copyright law may prevent some questions from being posted.

- ② Examples of solutions and answers (However, in the case of questions for which it is difficult to give a solution or answer, question intent and evaluation points may be shown.)

- ③ Availability

The aforementioned information will be posted to NITech's website in early September 2017.

- (3) Examination results

- ① Upon request from examinees, the following items will be disclosed.

Comprehensive evaluation (A, B, or C)

Examination results will not be disclosed to those who lose eligibility status due to absence from one or more examination subjects.

② Request

a) Period

Monday, September 11 to Friday, September 22, 2017

b) Way of request

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

③ Notification

Notification will be mailed to the applicant in early October 2017.

### 13. Selection of Privately Funded International Students

The Graduate School of Engineering at NITech (Master’s Degree Program) is also accepting applications from privately funded international students separately.

### 14. Area of Study in Each Department

To complete the Admission Application Form, refer to the separately bound “Graduate School Program (Master’s Degree Program) List of Advisers” for the necessary information to enter the names of the department of your choice, fields and academic advisers.

### 15. Approval of Course Completion and Conferment of Academic Degree

A master’s degree (in engineering or philosophy) will be conferred to students who attend the Graduate School of Engineering at NITech for at least two years, who receive at least 30 credits in courses stipulated by their department, who receive the necessary research guidance, and who pass the evaluation of their master’s thesis conducted by the Graduate School as well as their final examination.

※The students of NITech Business Design School (short-term course) in the Department of Architecture, Civil Engineering and Industrial Management Engineering can substitute their research paper for Master’s thesis.

The research paper must be a report concerning foreseeable problems in pursuing practical study, a technical research paper related to marketing and product commercialization or the like.

### 16. Scholarship

Upon request, students may apply to receive scholarships from the Japan Student Services Organization.

• **Notice Regarding Courses Specified by the Education and Training Benefit-System, Ministry of Health, Labour and Welfare (専門実践教育訓練給付金制度厚生労働大臣指定講座)**

NITech Business Design School (short-term course) in the Department of Architecture, Civil Engineering and Industrial Management Engineering at NITech is a course specified by the Education and Training Benefit-System, Ministry of Health, Labour and Welfare.

Under this system, working people who are or have been insured with general employment insurance and have completed the education or training programs specified by the Ministry of Health, Labour and Welfare are eligible for aid in the form of Education and Training Benefit from Public Employment Security Office that cover part of the tuition paid for courses. The purpose of these benefit is to support primary of human resources development among workers and to facilitate employment stability and reemployment.

If the students satisfy set requirements related to employment insurance (For more details, please see the website of the Ministry of Health, Labour and Welfare, or contact the nearest Public Employment Security Office.) attend the course, 40% of admission and tuition fees will be provided to them in accordance with set requirements based on the student’s

application. In addition, if the students complete and graduate Master's degree (engineering, philosophy) and take a job, 20% of admission and tuition fees will be added to the amount. (The annual upper limit of the benefit is 480,000yen)

### **17. 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:

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

[http://www.nitech.ac.jp/eng/about/regulations/files/c-1\\_Security\\_Export\\_Control\\_Regulations.pdf](http://www.nitech.ac.jp/eng/about/regulations/files/c-1_Security_Export_Control_Regulations.pdf)

### **18. Contact Information**

For inquiries about the Application 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 three 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"/>	
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"/>	<input type="radio"/>			
10	Crystallography	<input type="radio"/>	<input type="radio"/>			
11	Materials physics	<input type="radio"/>	<input type="radio"/>			
12	Materials processing	<input type="radio"/>	<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 3 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      PE = Physical Science and Engineering EM = Electrical and Mechanical Engineering      CS = Computer Science AC = Architecture, Civil Engineering and Industrial Management Engineering					

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



## Applying under Eligibility Requirements (9), (10), (11), or (12)

Applicants applying under eligibility requirements (9), (10), (11), or (12) should be aware of the following.

### 1. Admission eligibility evaluation

Successful applicants must submit the “Documents needed for evaluation” described in item 2. Admission eligibility will then be evaluated.

If the evaluation determines that the applicant does not satisfy the requirements described in item 3, that applicant’s eligibility will be rescinded.

### 2. Documents needed for evaluation

(1) Academic records up to the student’s third year (produced and sealed by the university the applicant is currently attending)

(2) Curriculum (documents indicating graduation requirements, course contents, etc. in detail)

(3) Details regarding the aforementioned required documents and submission deadline will be sent to applicant together with the letter of acceptance.

### 3. Admission eligibility requirements

To meet the admission eligibility requirements, accepted applicants must satisfy all the following requirements.

(1) Applicants who are in at least their third year at their current university as of March 31, 2018

(2) Applicants who have obtained at least 85% of the credits needed for graduation at their current university as of March 31, 2018

(3) Applicants who have earned a score of 80 points or more out of 100 in at least 80% of all course credits earned in (2).

### 4. Other

Applicants will no longer be attending their current university as an undergraduate as far as that university’s student register is concerned.

Accordingly, applicants should be aware that they will no longer meet examination qualifications for various government examinations that require students to be graduates of university undergraduate programs.

## Applying under Eligibility Requirement (13)

1. Applicants applying under eligibility requirement (13) must be graduates of a junior college, college of technology, vocational school, schools in the miscellaneous category and other educational institutions.

2. The Graduate School of Engineering at Nagoya Institute of Technology conducts eligibility evaluations to assess the specifics of each individual’s academic history, practical experience, experience with international activities, etc.

3. Applicants who undergo this evaluation should submit, in addition to items (1), (2), (3), (4), (5), (9), and (10) described in “4 (2) The necessary documents” on page 5, the following documents to the Admissions Office by 16:00 on Monday, May 22, 2017.

(1) Documents that provide an overview of the school attended by the applicant and details about its curriculum and academic programs

(2) Application for the entrance eligibility (form provided by NITech)

Note: You must attach certification related to each item described in document (2) above. (For example, if you attended a university, attach your academic transcript.)

4. The applicant will be contacted regarding the results of the evaluation by Monday, July 3, 2017.

5. Application documents will be accepted from applicants whose application eligibility has been approved. Such applicants must pay the examination fee specified in “How to pay the examination fee” on page 17 and must prepare and send all unsubmitted documents described in “4 (2) The necessary documents” on page 5 to the Admissions Office by the submission deadline.

6. Evaluation documents sent after the submission deadline will not be accepted.

## About the Oral Examination for Working Adult Students

1. Working adult student applicants who wish to take the oral examination for working adult students instead of the field-specific examination (written examination) used for academic evaluation will be evaluated by the Graduate School of Engineering at Nagoya Institute of Technology to determine whether or not they make take the oral examination for working adult students.
2. Applicants who wish to be evaluated must submit, in addition to items (1), (2), (3), (4), and (9) described in “4 (2) The necessary documents” on page 5, the following documents to the Admissions Office by 16:00 on Monday, May 22, 2017.
  - Documents specifying the applicant’s own preferred topics of study while at NITech and a work experience report (copies of research papers, technical reports, patents, practical proposals, etc.) (no format specified)
3. The applicant will be contacted regarding the results of the evaluation by Monday, July 3, 2017.
4. Application documents will be accepted from applicants who have been approved to take the oral examination for working adult students. Such applicants must pay the examination fee specified in “How to pay the examination fee” on page 17 and must prepare and send all unsubmitted documents described in “4 (2) The necessary documents” on page 5 to the Admissions Office by the submission deadline.
5. Application documents will be accepted from applicants who have not been approved to take the oral examination for working adult students and wish to take the field-specific examination (written examination) for academic evaluation. Such applicants must pay the examination fee specified in “How to pay the examination fee” on page 17 and must prepare and send all unsubmitted documents described in “4 (2) The necessary documents” on page 5 to the Admissions Office by the submission deadline.

# How to pay the examination fee

1 Examination fee: 30,000 yen

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

Note: The examination fee must be paid by the submission deadline of Friday, July 21.

3 Payment locations

(1) Pay in Japan

① Payment at post offices

A) To pay the examination fee, please use the attached “Payment slip”. Be sure to pay the correct amount.

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)” or “Proof of Payment” 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)” or “Proof of Payment” 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)” or “Proof of Payment” 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, Osu, Naka-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.

2018

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

Write your name exactly same as is printed in your passport.

Katakana		Nationality (Only if not Japanese) *	Examination number
Name (Romanized)			

Sex	Male • Female	Date of birth	A.D.				(year)			(month)			(day)
-----	---------------	---------------	------	--	--	--	--------	--	--	---------	--	--	-------

Preferred department, field, and adviser	preference for department													
	1st preference	Field									Adviser			
	2nd preference	Field									Adviser			
	3rd preference	Field									Adviser			

Eligibility requirements	University _____ Department _____ Subject _____ yr. _____ mo. _____ Graduated _____ Expect to graduate _____											
	If you are submitting on the basis of eligibility requirement (9), (10), (11), (12), or (13), indicate the number here: ( )											

Do you wish to take the oral examination for working adult students?	Yes • No	Working adult student applicants should circle either "Yes" or "No".
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Applicant	Address for sending results	Postal code:										
		Tel. — — — —					Mobile phone — — — —					
		E-mail										


Emergency contact (Parent, etc.)	Address	Postal code:										
		Tel. — — — —										
	Furigana Name									Relationship with applicant		

Academic history	[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
	[M] [Y] — [M] [Y]									Years
Employment Record	[M] [Y] — [M] [Y]									Years with company
	[M] [Y] — [M] [Y]									Years
	[M] [Y] — [M] [Y]									Years

Student number (only applicants who are currently attending or have been attending NITech [graduate students excepted])											
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- Note 1: Leave the box marked with an asterisk (\*) blank.
- Note 2: When filling out the form, read the admission guide carefully and take care to avoid errors and incomplete information.
- Note 3: For your preferred department, enter the departments you wish to enrol in.
- Note 4: For your preferred field and adviser, enter the names of the field and adviser you would prefer to be assigned to within your preferred department. For the names of fields, advisers, and main research topics, see the separate booklet "List of Advisers for New Departments". The field and adviser you are assigned to after admission will be determined on the basis of your examination results and interview, and notification will be included with your letter of acceptance.
- Note 5: In the academic history section, enter your entire educational history, including elementary school, home study or preparatory school following high school graduation, and any current studies, e.g. postgraduate school. For university, include the names of your department and subject.
- Note 6: Non-Japanese students and exchange students must contact the Admissions Office if their emergency contact is not in Japan.

Paste Certificate of Transfer Payment (for Customer) in the box below, making sure it will not come off.



Paste Certificate of Transfer Payment (for Customer) below.

Payment at Post office  
Be sure to pay at the Japan Post Bank or post office teller window. (Do not use an ATM.)

Please note that if the Certificate of Transfer Payment (for Customer) is not date-stamped, we cannot accept it.

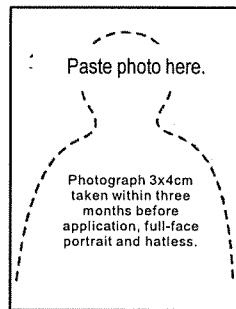
Payment at Convenience stores  
Please use a multimedia terminal to receive your payment slip. Once you have received it, take it to the cashier to make your payment in cash.  
Paste '収納証明書' here.

TOEFL	TOEIC L&R

Do not fill in these boxes

## Photograph Form

preference for department	Examination number
	*
Katakana	
Name	



-----  
Do not detach

## Examination Admission Ticket

1st preference for department	Examination number
	*
Katakana	
Name	

Read the notes regarding the examination on the reverse side.

## Notes Regarding the Examination

1. You must bring the Examination Admission Ticket with you on the day of the examination and confirm that the examination number on the ticket matches the examination number on the desk before sitting down. If you lose the Examination Admission Ticket, you must contact the Admissions Office in advance to obtain a replacement. If you realize you have lost your ticket on the day of the examination, you must contact the Admissions Department.
2. On the day of the examination, check the notice board in front of Bldg. 2 to confirm the examination room, and arrive at the room by 8:45.
3. You must complete all academic evaluations and interviews specified by NITech.
4. You may not have anything on the desk other than the Examination Admission Ticket, a black graphite pencil or mechanical pencil, an eraser, a pencil sharpener, and a clock (a device capable only of showing the time).
5. Once inside the examination room, you must turn off any alarms set on your smart phone, cell phone, watch type terminal, or other noise-making devices, etc. and you must turn off any such devices.
6. The examination will proceed according to the directions of the supervisor.
7. Examination latecomers will be allowed to take the examination only if they arrive within 30 minutes of the start of the examination.
8. Anyone who engages in dishonest behavior or does not follow the instructions of the supervisor while in the examination room may be told to leave the room by the supervisor. If the person is deemed to have engaged in dishonest behavior, he/she will be unable to take that or any further examinations, and all examinations already taken will be nullified.
9. Leaving the room while the examination is underway is generally not permitted.
10. The room for interviews will be indicated inside the examination room.
11. Interviews will be conducted for each preferred department. You must meet up at the designated time and place and follow the instructions for each department.

# Statement of Purpose

Preference for department		Examination number	*
Graduating University	University Department Subject  Date you graduated/expect to graduate:    yr.   mo.	Katakana  Name	
<b>Please fill in the following items.</b>			
1. The title of your graduation thesis (graduate study)			
2. The reason for choosing the department (Graduates of Nagoya Institute of Technology do not need to fill this in.)			
3. Topics and specific items you wish to study after enrolling in the Graduate School of Engineering			

Note 1: Leave the box marked with an asterisk (\*) blank.

Note 2: Your responses to "The reason for choosing the department" and "Topics and specific items you wish to study after enrolling in the Graduate School of Engineering" should be about 50 words in length.



2018

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

# Application for the Entrance Eligibility

(For applicants on the basis of eligibility requirement (13))

Preference for department			Date of Application	
			Examination Number *	
Katakana			Current employer	
Name				
Date of birth (age) Year/month/day:	( years old)	Current address		
Academic history and qualifications				
Date (year/month/day)	Item			
Employment Record (including practical experience, experience with international activities and so on)				
Date (year/month/day)	Item			

Note 1: Leave the box marked with an asterisk (\*) blank.

Note 2: Attach certificates or similar documentation for each item.

# Mailing Sheet

Graduate School of Engineering
Master's Degree Program

Preference for department	
Examination number	*

1. Your Letter of Acceptance and other documents will be sent to the address written on this sheet, so be sure to write the same address you entered in the "Address for sending results" section of the application form.
2. Do not fill in the boxes marked with an asterisk (\*).
3. Please contact us immediately if your contact address changes after you have sent in these forms.

① For sending the letter of acceptance

Address	Postal code:
Name	
	*

② For sending admission procedure information and other documents

Address	Postal code:
Name	
	*

Address	Postal code:
Name	
	*

③ For sending textbook purchasing information, the graduate school guide, and materials for finding accommodations (sent from University Co-operative Associations), this sheet is optional. Successful applicants who did not fill it out will not have these materials sent to them.

Address	Postal code:
Name	
	*