

For Enrollment October 2022

Graduate School of Engineering

Doctor's Course

Nagoya Institute of Technology and Nagoya City University

Cooperative Major in Nanopharmaceutical Sciences Doctor's Course

Admissions Guide

Due to COVID-19 situation, admission schedule and selection process might be subject to change.

Nagoya Institute of Technology

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Cooperative Major in Nanopharmaceutical Sciences Doctor's Course

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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.

About Joint graduate school

1. Graduate program comprising an inter-graduate-school curriculum (“joint graduate school”)

The joint graduate school is a graduate program which uses a system that allows several universities to jointly provide a curriculum and grant academic degrees in their joint names, for the purpose of making collaborative efforts to make the most of their educational and research resources and thereby promote high-quality educational and research activities so that the universities can contribute to regional revitalization and take the initiative in responding to needs in new, interdisciplinary and advanced fields of study.

2. Main features of our joint graduate school

- (1) Academic degrees are granted in the joint names of the Nagoya Institute of Technology (NITech) and Nagoya City University.
- (2) A student is enrolled in both NITech and Nagoya City University; provided, however, that each student’s “home university” is a university whose faculty includes an academic adviser, from whom he/she primarily receives research instruction (hereinafter “primary adviser”). At their home university, students can receive the same services as those provided to other students of the university. At the non-home university, students can also receive some services, such as use of libraries. Note, however, that some facilities and services may be unavailable due to the circumstances of the university.
- (3) Under the Joint Graduate School program, students can also receive research instruction from a faculty member who teaches at the non-home university (hereinafter “sub-adviser”).
- (4) Students must attend lectures of the program provided at both NITech and Nagoya City University.

Important Information

1. University for application and examination; home university

Regarding application for the Joint Graduate School, if your prospective primary adviser is a member of NITech faculty, you must make application to, and take an admission examination at, NITech. In this case, your home university after admission will be NITech, and you will be treated as a NITech student regarding the necessary formalities for admission, payment of tuition and other expenses, application for scholarship, etc.

Meanwhile, if your prospective primary adviser is a faculty member of Nagoya City University, you must make application to, and take an admission examination at, Nagoya City University.

2. Regarding application for the program of Cooperative Major in Nanopharmaceutical Sciences, applicants cannot apply to both NITech and Nagoya City University.

Purpose of Establishing a Joint Major

Drug discovery technology in Japan itself is comparable with that in Europe and the United States today. However, there are some issues in the fields: difficulties to apply research results to technical development and industrial technologies, weakness in fostering human resources, and low mobility and inefficiency between industry and academia.

The Graduate School of Pharmaceutical Sciences in Nagoya City University (NCU) has focused on drug discovery,

drug delivery, and dynamics, and the Graduate School of Engineering in Nagoya Institute of Technology (NITech) has worked on nanotechnology and nanobiology. Both institutes are located close to each other in the city of Nagoya.

The fields of “Pharmaceutics” in NCU and “Engineering” in NITech share the concept of "Monozukuri (Innovation)" in common; however, each field has developed independently. Therefore, it is expected to contribute to solve current issues in the field of drug discovery by establishing a new learning environment, which has characteristics of both pharmaceutics and engineering.

NCU and NITech got accepted by the MEXT Graduate School Good Practice (GP), "Fostering researchers in the pharmaceutics and engineering integrated nanomedicine drug discovery" in 2008, and it was carried out until March 2011. NITech strived to foster outstanding students in this pharmaceutics and engineering integrated project and contributed to the drug discovery industry. Through the success of the project, NCU and NITech have agreed to establish a joint major program in doctoral course to continuously extend the project, and foster further human resources specialized in both fields of pharmaceutics characterized by advanced drug discovery, drug delivery, dynamics science, and also of engineering characterized by nanotechnology, nanobiology, and process engineering.

Our aim is to develop practical researchers and engineers, who are familiar with comprehensive pharmaceutics and engineering through the collaborative programs in education and research on cutting-edge medical care and the latest drug discovery plus advanced nanobiology engineering.

Admissions Policy (Policy on the admission of new students)

Graduate School Doctoral 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 Doctoral Degree Program at our university have the abilities of a master’s degree graduate, specialist knowledge of engineering, a sense of mission to technical innovation, a good understanding of the philosophy of our university, and feel a calling to a life in engineering.

1 People who have graduated with a master’s degree or who have equivalent abilities

2 People who have advanced specialist knowledge of the specialist field to which they aspire, who have the ability to utilize this knowledge for problem solving, and who have the ability to conduct research that is both new and beneficial

3 People who have the communication proficiency to read and write academic papers in English and other languages, and to engage in expert level discussions with other people

4 People who have a strong desire to be the leaders of engineering in the future

Cooperative Major in Nanopharmaceutical Sciences Doctor's Course

Admissions Guide for enrollment October 2022

Cooperative Major in Nanopharmaceutical Sciences Doctor's Course for enrollment October invites prospective students for as follows:

1. Departments and The Number of Places

Department	Number of students to be admitted	
	Nagoya Institute of Technology	Nagoya City University
Nanopharmaceutical Sciences	A few	A few

2. Eligibility Requirements

Applicants should satisfy any of (1) – (8):

- (1) Applicants who hold a master's degree or a professional degree (a professional degree stipulated in Article 5-2 of the Degree Regulations (Ordinance of the Ministry of Education, Science and Culture No. 9 of 1953) based on the provision of Article 104-1 of the School Education Act; The same shall apply hereinafter.), or who are expected to acquire either of the said degrees by September 30, 2022.
- (2) Applicants who received, or are expected to receive by September 30, 2022, an academic degree equivalent to a master's degree or a professional degree in a country/region other than Japan.
- (3) Applicants who received, or are expected to receive by September 30, 2022, an academic degree equivalent to a master's degree or a professional degree after studying, in Japan, specific subjects of a correspondence course provided by an academic institution based in a country/region other than Japan.
- (4) Applicants who received, or are expected to receive by September 30, 2022, an academic degree equivalent to a master's degree or a professional degree by completing, in Japan, a graduate course provided by an academic institution that is positioned in the school education system in a country/region other than Japan as an institution providing graduate courses equivalent to those provided in the said country/region, and that is designated separately by the Minister of Education, Culture, Sports, Science and Technology of Japan.
- (5) Applicants who received, or are expected to receive by September 30, 2022, an academic degree equivalent to a master's degree by completing a course of the United Nations University, which is stipulated in Article 1-2 of the Act on Special Measures Incidental to Enforcement of the "Agreement between the United Nations and Japan regarding the Headquarters of the United Nations University" (Act No. 72 of 1976), and which was established on the basis of the United Nations General Assembly resolution of December 11, 1972.
- (6) Applicants who completed a course of study provided by an academic institution based in a country/region other than Japan, an academic institution specified in Item (4) in this section, or the United Nations University; who passed a review equivalent to the examination stipulated in Article 16-2 of the Standards for Establishment of Graduate Schools; and who are recognized to have an academic ability equivalent to, or higher than, that of a master's degree holder.
- (7) Applicants designated by the Minister of Education, Culture, Sports, Science and Technology:
 - ① Applicants who have been engaged in research at a university, a research laboratory or a similar institution for at least two years after graduating from a university, and are recognized by graduate school of Engineering at NITech as having a scholastic ability equal to or higher than that of a person with a master's degree based on the results of their research.
 - ② Applicants who have been engaged in research at a university, a research laboratory or a similar institution for at least two years after completing 16 years of school education in a country other than Japan, or while in Japan by studying the subjects through a distance learning program run by the said country, and are recognized by graduate

school of Engineering at NITech as having a scholastic ability equal to or higher than that of a person with a master's degree based on the results of their research.

- (8) 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 person with a master's degree as a result of individual evaluation of eligibility for admission, and will reach 24 years old by September 30, 2022

Note 1: For an application made together with the Eligibility for Application (6), please refer to the Application with the Eligibility for Application (6) on page 13.

Note 2: For an application made together with the Eligibility for Application (7), please refer to the Application with the Eligibility for Application (7) on page 14.

Note 3: For an application made together with the Eligibility for Application (8), please refer to the Application with the Eligibility for Application (8) on page 15.

3. Application Period

From Tuesday, July 12 to Friday, July 15, 2022 (no later than 4:00 p.m. on Friday the 15)

If bringing them with you, reception of the documents is from 9:00 a.m. to 4:00 p.m. of those days.

If mailing them, they must be received no later than 4:00 p.m. on Friday, July 15.

Application information registration (system input) is possible during the following period.

From 9:00 a.m. on Tuesday, July 5 to 3:00 p.m. on Friday, July 15, 2022

Note 1: Submit application documents after registration (system input) of information for application over the internet by bringing them with you or mailing them. Please check details from "4. Application Procedure".

Note 2: 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.

4. Application Procedure

Those wishing to enroll, make careful confirmation of steps [1]–[3], and complete the necessary procedures.

Procedure When Applying Over the Internet

(1) Confirmation of the entrance examination system	Download "Admissions Guide" from the NITech website, and check the qualifications for application and the application period to the major you wish to enter into.
(2) Registration of application information	From a computer etc. connected to the internet, follow the instructions on the screen, and enter the content to be registered.
(3) Confirmation of application information	Check the registered application information. The information can be printed out for confirmation.
(4) Selection of payment method	Select the method of payment for the examination fee. •Credit card •Convenience store payment •Bank ATM (Pay-easy) •Online banking <u>Persons who are expected to complete their master's degree program at NITech in September 2022 are not required to pay the examination fee.</u>
(5) Payment of examination fee	Through the payment method you selected, Internet application Registration and payment of the Examination Fee is required pay examination fee (30,000 yen) and bank transfer fee (990 yen.)
(6) Printing of registered application information	Print out the Application Checking Sheet and other documents.
(7) Submission of application documents	Submit the printed documents with the registered application information, from (6) etc. to Nagoya Institute of Technology as written on page 6 of "[2] Application Documents" to complete application.

Note 1: Application is not complete by only registering the application information over the internet. Application is complete after submission of the Application Checking Sheet and other documents written on page 6 of “[2] Application Documents”.

Note 2: In case of the following actions during the application information registration, or you have not continued on to the next page within 30 minutes, please note that registration must be started over again.

- You have closed the browser before completing the application information’s registration
- You clicked the “Back” button in the browser to return to the previous screen

Note 3: Check the internet application registration site below in regard to details on examination fee payment methods, frequently asked questions, etc.

Note 4: If a student has large-scale natural disaster during the one year prior to the application, he or she may be exempt from paying the examination fee by applying the exemption. The example of the student who may be exempt is that he or she has the natural disaster inside the designated area of National Disaster Relief Act (災害救助法) and had his or her house completely, seriously, or partially destroyed, or his or her household finances supporters have passed away or have missed. (The national disaster is limited to those that occurred in Japan.)

For details, please check the NITech website (<https://www.nitech.ac.jp/examination/sokuhou/>) and submit the necessary documents.

Internet Application Registration Site
NITech English website > Prospective Students > Internet Application Registration Site

Note 5: The following are the recommended system requirements for computer and mobile device when registering your application information over the internet.

(1) Recommended System Requirements for Computer

Browser

Windows	Macintosh
Google Chrome Microsoft Edge	Safari Google Chrome (Mac OS 10.6 or later)

PDF Reading Software

Windows	Macintosh
Adobe Acrobat Reader DC	Adobe Acrobat Reader DC

(2) Recommended System Requirements for Mobile Device

Although the following are recommended system requirements, some functions may not work depending on the environment of use. In such case, please use a computer instead.

OS

Android	iOS
Android 10.X.X or later Android Chrome	iOS 14.X.X or later Safari

[1] Registration of Application Information over the Internet and Payment of the Examination Fee

- (1) Registration of application information over the internet and a payment of the examination fee are required. The process of registration application information over the internet is as stated in the separate “Internet Application Registration Process Guide” file.

- (2) Items to be prepared before beginning the registration of application information
- a. Statement of purpose and other documents
In addition to the documents created through the registration system for the application information, submission of the statement of purpose and other documents as stated in the “Other Necessary Documents” section of “[2] Application Documents” must be done within the application period. Please have them prepared so as not to be late.
 - b. Applicant’s facial photo data
Have the data of a photograph prepared clearly showing the full face, head and shoulders, without any hat, and taken within three months of the application. It is registered into the system together with the other information.
 - c. E-mail address
An e-mail address is required. Use of a smartphone, cellular phone, or free e-mail service address is okay. (The e-mail address designated will receive notification e-mails such as those regarding completion of application information registration.)
 - d. Printer and printer paper
A printer able to make prints in A4 size (in either monochrome or color) is required. Normal printer paper may be used (for printing the registered application information).
- (3) Cases when the internet is unavailable
If an internet environment is not available for application registration at your home, or school or university enrolled in, please inquire through the information listed in “16. Contact Information” on page 12.

Note 1: The application procedure is complete upon registering the information for application over the internet and submitting the documents written on page 6 of “[2] Application Documents”. Please note that if the necessary documents are not submitted by the application period listed in “**3. Application Period**” on page 4, the application will be considered incomplete (registered data invalid), and you will not be able to take the examination.

[2] Application Documents

After registering the application information in [1] of page 5 over the internet, compile the following documents, and submit them to the NITech Admissions Division by the prescribed date. 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.

If mailing your application, use a commercial envelope (a rectangular No. 2 envelope with a length of 33 cm and width of 24 cm), stick a mailing label described in (2) of the chart below to the front of the envelope, **and mail it as registered express mail.**

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

Printed documents of the registered application information over the internet	(1) Application Checking Sheet (Submission Sheet)	The printed version of the application information after registration over the internet
	(2) Mailing label	Stick the printed mailing label to the envelope used to send the application documents after the registration of application information over the internet. If bringing the application in person, print out the shipping label, and bring it with you (it does not need to be stuck on the envelope).
Other necessary documents	(3) Statement of purpose	Outline the “Reasons for choosing the Department” and the “Subjects which you wish to study at the Graduate School of Engineering and their description.” Please download and use the statement of purpose form from the NITech website (https://www.nitech.ac.jp/examination/in/request.html).

Other necessary documents	(4) Academic transcript of the master's degree program (copy not allowed)	Certification for the master's course you have completed. The certificate needs to be issued by the graduate school you completed. For documents written in a language other than Japanese or English, please attach a document with Japanese or English translation. Applicants from Chinese educational institutions should refer to the notes below.
	(5) Academic transcript of the undergraduate program (copy not allowed)	Certification issued by the university you graduated from. For documents written in a language other than Japanese or English, please attach a document with Japanese or English translation. Applicants from Chinese educational institutions should refer to the notes below.
	(6) Certificate of a master's degree or professional degree, or Completion (or expectation) certificate of the master's degree program (copy not allowed)	Certification issued by the graduate school you completed (will complete). For documents written in a language other than Japanese or English, please attach a document with Japanese or English translation. Applicants from Chinese educational institutions should refer to the notes below.
	(7) Copy of the master's thesis	Please submit a copy of your master's thesis. Or if you do not hold a master's degree, please prepare the other document (7) below.
	(8) Summary of Past Research History (the form designated by NITech). (For who do not hold a master's degree)	If you do not hold a master's degree, submit a summary of your research results so far in approximately 1,500 letters. Please download and use the summary of past research history form from the NITech website (https://www.nitech.ac.jp/examination/in/request.html).
	(9) Copy of literary works, academic papers, academic reports and patents/utility designs	If you correspond to eligibility requirement (7) or (8) and you have such documents, Please submit them.
	(10) Copy of certificate of residence or Copy of both sides of your residence card	Submit a copy of your certificate of residence (<i>juminhyo</i>) indicating your <u>Status of Residence and Period of Stay</u> , or a copy of both sides of your residence card. If you have not been registered, please submit a copy of passport.

Note. The documents submitted for evaluation for eligibility do not need to be resubmitted at the time of application.

<Regarding certificates of applicants from Chinese educational institutions>

(4) Transcript (graduate school), (5) Transcript (undergraduate) and (6) Degree acquisition certificate (completion certificate)

Applicants from Chinese educational institutions are required to follow the procedure whereby CHSI (China Higher-education Information and Student Information; <https://www.chsi.com.cn/>) directly sends your grade certification report (English version) and educational background certification report (English version) to the Entrance Examination Division at Nagoya Institute of Technology (nit.nyushi@adm.nitech.ac.jp) by the deadline for application.

In addition, follow the procedure whereby CDGDC (China Academic Degrees and Graduate Education Development Center; <https://www.cdgdc.edu.cn/>) directly sends your degree (master's) certificate (English version) to the Entrance Examination Division at Nagoya Institute of Technology (nit.nyushi@adm.nitech.ac.jp) by the deadline for application. Only certification reports (4), (5) and (6) submitted by CHSI and CDGDC will be accepted.

If the applicant has not graduated from the relevant institution at the time of application, the applicant should submit a transcript of the current academic year for (4) Transcript (graduate school), and a certificate issued by the institution showing that the applicant is expected to graduate for (6) Degree acquisition certificate (completion certificate).

Applicants who fail to follow the procedures and whose documents are not submitted by the deadline, will be unable to take the examination. Be sure to allow plenty of time for submission of the application.

[3] Important Points

- (1) The certificate in a language other than Japanese or English must be accompanied by a translation in either Japanese or English.
- (2) Incomplete application documents cannot be accepted.
- (3) Changes made after registering your application over the internet are not acknowledged. However, if your address, phone number, etc. have changed, please contact NITech through the information listed in “16. Contact Information” on page 12.
- (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 already paid are not reimbursed for any reason other than the cases below.
 - A. The fee was paid, but the application documents were not mailed.
 - * The application process is not complete by only registering application information over the internet. It is complete after mailing in the application documents within the application period.
 - B. The fee was paid, but due to a mistake or mistakes in the application documents, application was not accepted.
 - C. The fee was mistakenly paid twice.
- (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) For the personal information used for the selection, NITech will use them for investigation and research for future selections. For the investigation and research, NITech may entrust some processes of the affairs to contractors with which NITech has made a nondisclosure agreement. In this case, NITech provides the personal information to the contractors within the scope of the entrusted affairs.
 - b) Regarding the personal information of successful applicants, such as the name and the address and so on, NITech will use them for sending the advance guide about textbook purchasing and rental housing and so on. About the affairs, NITech may entrust them to contractors with which NITech has made a nondisclosure agreement. In this case, NITech provides the personal information to the contractors within the scope of the entrusted affairs.
 - c) Regarding the personal information used for the selections, NITech will use them for the academic affairs, including register management, and affairs related to study support and student support. To carry out the affairs, NITech may entrust some processes of them to contractors with which NITech has made a nondisclosure agreement. In this case, NITech provides the personal information to the contractors within the scope of the entrusted affairs.

5. Download and Printing of the Examination Admission Ticket

The examination admission ticket can be downloaded or printed from Wednesday July 20, 2022.

Download and print the examination admission ticket from the internet application registration site, and bring it with you on the day of the examination.

6. Preliminary Consultation for Applicants with Disabilities or Others

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

- (1) Date and consultation

By Friday June 17, 2022

By the date above, you should inform the Admissions Division of the content of your requirements, either in writing, or by phone, or other means. The Admissions Division 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 12.

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:

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

8. Selection Process

Applicants will be selected based on a comprehensive assessment of the results of the interview, submitted materials and academic records.

(1) Evaluations

Applicants will be evaluated on the materials submitted and by interviews which will include the following items:

① Oral examination on the materials

Applicants will be required to give a presentation on materials submitted (Document (7), (8) or (9) listed in the table 4 [2] on page 6), and answer questions about their research activities and their major field. In addition, applicants for the Cooperative Major in Nanopharmaceutical Sciences are required to take oral examinations in a foreign language and answer questions regarding their knowledge of the specific area of discipline (Division). Details will be informed to each applicant after your application documents are accepted.

② Personal Interview

Motivation, personality.

(2) Date

Wednesday, August 24, 2022

(3) Examination Site

The Nagoya Institute of Technology, Nagoya city, Aichi prefecture

Detailed information will be informed to each applicant after your application documents are accepted.

9. Announcement of Successful Applicants and Admission Procedures

- (1) An announcement of successful applicants will be made by posting the examinee numbers of successful applicants on the website of NITech (<https://www.nitech.ac.jp/>) on the following dates, and also by mailing letters of acceptance to each successful applicant.

At 10:00 a.m., Friday, September 9, 2022

Results will not be available on the phone.

- (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 with letters of acceptance. The documents required for admission procedure will be included in the envelope with the Admission Procedure Guide.

Date and Time of Admission procedure	Location
Friday, September 16, 2022 9:00 a.m. to 4:00 p.m.	Nagoya Institute of Technology

10. Necessary Fees for Admission Procedures

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: Persons who are expected to complete the master's degree program at NITech in September 2022 are not required to pay the admission fee.

Note 2: If the admission fee and/or the tuition fee are revised, they will be applied from the time of the revision.

Note 3: Students who do not pay the tuition (for the first semester) during the admission process must pay it between Monday, October 3 and Monday, October 31, 2022.

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 Friday, September 30, 2022, 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.

11. Public Information

The following information on the entrance examination for the doctor's course at the Graduate School of Engineering in 2022 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 Division.

(2) 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 have been removed from the list of examinees due to absence from the admission screening.

② Request

a) Period

Monday, September 12 to Thursday September 22, 2022

b) Way of Request

At the Admissions Division 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).

If you submit the Request by mail, please contact Admissions Division beforehand.

③ Notification

The result will be mailed to each applicant at the beginning of October 2022

12. Preference for Department and Academic Adviser

Department	Title	Name	Present Major Research Subject
Synthesis of Functional Medicine	Professor	SHIBATA Norio	<ol style="list-style-type: none"> 1 Catalytic asymmetric synthesis of organofluorine compounds 2 Design and synthesis of medically attractive organofluorine compounds 3 Synthesis of functional dyes and their application for drug discovery
	Professor	OZAWA Tomohiro	<ol style="list-style-type: none"> 1 Development of high selective molecular sensor for a small biomolecule. 2 Construction and bioinorganic study of metal complexes with specific field
Drug Delivery	Professor	DEWA Takehisa	<ol style="list-style-type: none"> 1 Construction of biohybrid materials for light-energy conversion system 2 Assembling and functionalization of photosynthetic membrane proteins in lipid bilayer systems 3 Development of lipid nanoparticles for gene carriers
Nanoengineering for Medicine	Professor	TSUKIJI Shinya	<ol style="list-style-type: none"> 1 Development of fluorescent probes for visualizing molecules and organelles in cells 2 Development of molecular tools for manipulating cellular functions 3 Development of synthetic cells with novel functionality.
	Professor	NAKAMURA Masanori	<ol style="list-style-type: none"> 1 Physiological fluid dynamics (hemodynamics, respiratory flow, cell flow) 2 Biomicrofluidics (mechanophenotyping, cell sorting) 3 Cardiovascular pathology (aneurysm, atherosclerosis, aortic dissection)
	Associate Professor	MIZUNO Toshihisa	<ol style="list-style-type: none"> 1 Development of biologically-active molecules from amphiphilic lipopeptide derivatives 2 Development of biologically-active materials from biomacromolecules or by combination with biomacromolecules

13. Approval of Course Completion and Conferment of Academic Degree

As a rule, students will be enrolled in this program for three years, and upon receiving the required research guidance, students who have passed their doctoral dissertation screening and final examinations will be conferred. For the Cooperative Major in Nanopharmaceutical Sciences, at least 10 credits of the 26 or more credits required for course completion must be acquired from subjects provided by the other university operating the joint department (i.e., Nagoya City University).

Degree title	Name of the area of specialization
Doctor	Nanopharmaceutical Sciences

14. Scholarship

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

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.

[Reference]

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

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

“Nagoya Institute of Technology Security Export Control regulations”

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

16. Contact Information

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

Admissions Division, 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

Eligibility Requirements (6)

1. “Persons who have passed an alternative test which is equivalent to the examination and review stipulated in Article 16-2 of the Standards for Establishment of Graduate Schools and who are recognized to have a research capacity equivalent to, or higher than, that of a master’s degree holder” as stipulated in the Eligibility for Application (6), shall be deemed to have passed a test equivalent to a Qualifying Examination.

The “Qualifying Examination” comprises the examination and review described in the following items ① and ②:

- ① An examination to confirm that the student has a high level of specialized knowledge and abilities regarding his/her area of specialization, as well as a basic grounding in areas pertaining to the said area of specialization
- ② A review to confirm that the student has the necessary abilities to proceed with research activities for a doctoral dissertation on his/her own initiative

2. Those who apply based on the Eligibility Requirements (6) shall also be subject to a review of their eligibility to apply for the entrance examination conducted by Graduate School of Engineering of NITech.

3. To apply for the review described in the previous paragraph (2), submit to the Admissions Division the documents specified below, as well as documents (4) and (8) listed in the table "4 [2] Application documents" on page 6 no later than 4:00 p.m., Monday, May 16, 2022.

- “Application for the Entrance Eligibility”
- “Statement of Purpose”
- Documents certifying the applicant has passed a review equivalent to the Qualifying Examination (“Examination”)
- Documents explaining the qualifying standards of the Examination
- Documents showing the correlation between success in the Examination and the requirements for the master’s degree granted in the relevant university
- Documents showing the correlation between the handling of the program for doctorate in the relevant university and the students who have transferred to said university after receiving a master’s degree at another university

Note 1: Please contact Admissions Division for application for the entrance eligibility above mentioned.

Note 2: Please download and use the statement of purpose form stated above mentioned from the NITech website (<https://www.nitech.ac.jp/examination/in/request.html>).

4. Applicants will be informed of the examination result by Monday, June 27, 2022.

5. At the time the application eligibility is approved, details regarding application procedures are given.

6. Application documents that reach NITech after the deadline cannot be accepted.

Eligibility Requirements (7)

1. "Persons designated by the Minister of Education, Culture, Sports, Science and Technology" described in the Eligibility (7) must meet both ① and ③ or both ② and ③ of the following requirements.

① Persons who have been engaged in research at a university, a research laboratory or a similar institution for at least two years after graduating from a university

② Persons who have been engaged in research at a university, a research laboratory or a similar institution for at least two years after completing 16 years of school education in a country other than Japan, or while in Japan by studying the subjects through a distance learning program run by the said country

③ Persons who have achieved satisfactory results that are recognized to be equal to or higher than a master's thesis through books, academic papers, academic lectures, academic reports, patents/utility designs, etc.

2. In the case of application under Eligibility Requirements (7), the evaluation for the Eligibility will be conducted by the Graduate School of Engineering, NITech.

3. Applicants subjected to the evaluation described above in paragraph 2 must submit to the Admissions Division the following documents in addition to (8) and (9) described in "4 [2] Application documents" on page 6 by 4:00 p.m., Monday May16, 2022

- Application for the Entrance Eligibility
- Statement of Purpose
- Certificate of academic record from their undergraduate program
- Graduation certificate of the undergraduate program

Note 1: Please contact Admissions Division for application for the entrance eligibility above mentioned.

Note 2: Please download and use the statement of purpose form stated above mentioned from the NITech website (<https://www.nitech.ac.jp/examination/in/request.html>).

4. The applicants will be informed of the result of the evaluation by Monday, June 27, 2022.

5. At the time the application eligibility is approved, details regarding application procedures are given.

6. Documents for selection that reach NITech after the deadline cannot be accepted.

Eligibility Requirements (8)

1 "Persons who are recognized by the Graduate School of Engineering at NITech as having a scholastic ability equal to or higher than that of a person with a master's degree as a result of individual review of eligibility for admission, and who will be 24 years old by September 30, 2022" described in the Eligibility Requirements (8) must meet either of ① or ② of the following requirements.

- (1) Persons who have work experience in the scientific and technological field for at least two years after graduating from a university and have achieved satisfactory results that are recognized to be equal to or higher than a master's thesis through books, academic papers, academic lectures, academic reports, patents, etc.
- (2) Persons who have graduated from a two-year college, a college of technology, a vocational school or a school in a miscellaneous category or completed a program run by other educational institutions and have individually recognized educational background, work experience, international activity experience, etc.

2 In the case of application under Eligibility Requirements (8), evaluation for Eligibility will be conducted by the Graduate School of Engineering, NITech.

3 Applicants under conditions described above must submit to the Admissions Division the following documents in addition to (8) and (9) described in "4 [2] Application documents." on page 6 by 4:00 p.m., Monday, May 16, 2022.

Applicants under conditions 1-①

- Application for the Entrance Eligibility
- Statement of Purpose
- Certificate of academic record from their undergraduate program
- Graduation certificate of their undergraduate program

Note 1: Please contact Admissions Division for application for the entrance eligibility above mentioned.

Note 2: Please download and use the statement of purpose form stated above mentioned from the NITech website (<https://www.nitech.ac.jp/examination/in/request.html>).

Applicants under conditions 1-② above

- Application for the Entrance Eligibility
- Statement of Purpose
- Certificate of academic record from their most recently attended educational institution .
- Graduation or completion certificate from the most recent educational institution
- Evidential materials of the school curriculum, such as the school and educational program handbook

Note 1: Please contact Admissions Division for application for the entrance eligibility above mentioned.

Note 2: Please download and use the statement of purpose form stated above mentioned from the NITech website (<https://www.nitech.ac.jp/examination/in/request.html>).

4. The applicants will be informed of the result of the evaluation by Monday, June 27, 2022

5. At the time the application eligibility is approved, details regarding application procedures are given.

6. Documents for selection that reach NITech after the deadline cannot be accepted.

Diploma Policy (Policy on doctoral degree certification and awarding degrees)

Graduate School Doctoral Degree Program

The graduate school Doctoral Degree Program produces engineers and researchers who have the following highly advanced specialist knowledge and skills, and the ability to lead innovation according to our education philosophy.

The doctoral degree is awarded to students who have satisfied the requirements for the doctoral degree as defined by the Regulation of Nagoya Institute of Technology Graduate School.

- 1 The skills to understand the problems facing Japan and the global community from a technological perspective and ability to create a vision of the future form of the industrial community
- 2 The ability to create new values with advanced knowledge and skills in specialized fields and also with multidisciplinary engineering knowledge.
- 3 The ability to find appropriate approaches to tasks and issues and conduct ingenious research through communication with engineers and researchers of various backgrounds.

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

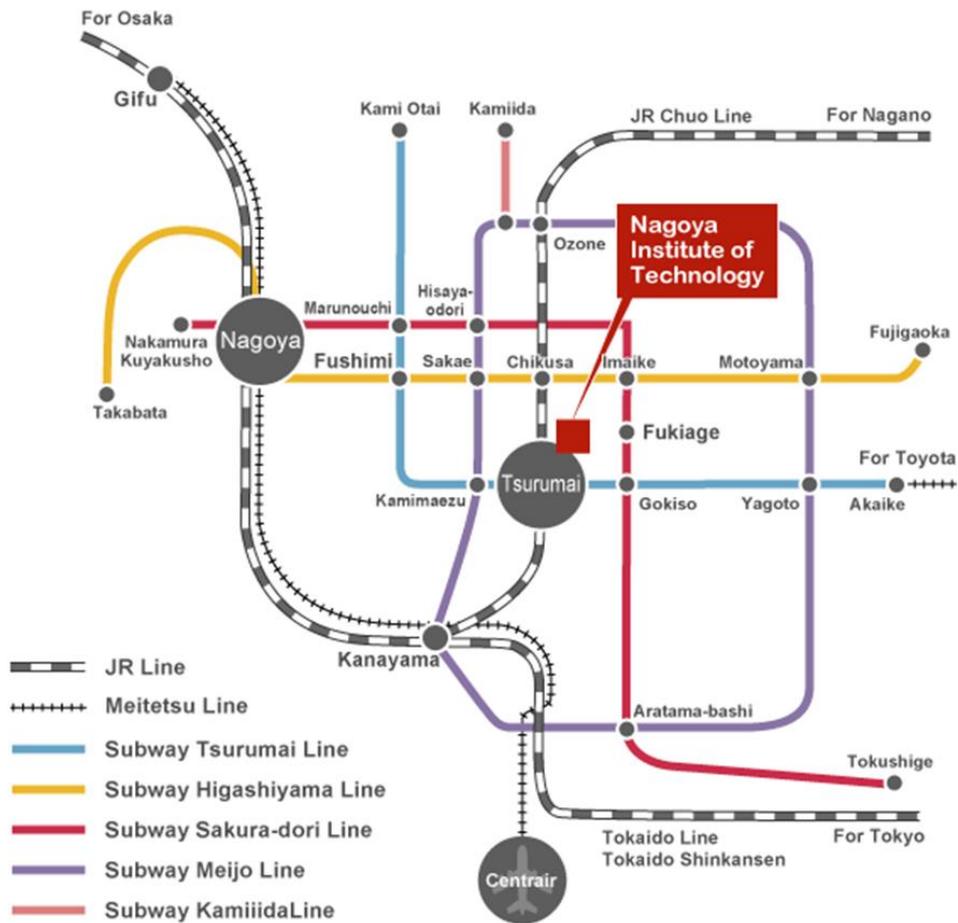
Graduate School Doctoral Degree program

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

The graduate school doctoral degree Program nurtures human resources who will acquire highly advanced specialist knowledge while working on research and who will create the society of the future by building on the skills of the master's degree, specialist knowledge of engineering, and a sense of mission to technological innovation.

- 1 Acquire the skills to understand the problems facing Japan and the global community from a technological perspective and ability to create a vision of the future form of the industrial community.
For this, students learn details such as the responsibilities that technology should bear in the field of research ethics, and observe problems in specialist fields in depth through seminars in specialist fields.
- 2 Develop insight and wide-ranging interest in industrial technology and in-depth specialist knowledge in one or more fields.
For this, a wide range of interest and insight are cultivated in students by pursuing academic problems in specialist fields in depth while at the same time looking at leading edge practical research both inside and outside Japan.
- 3 Develop the ability to lead innovation through high originality and the ability to promote research.
For this, the ability to lead technical innovation is cultivated in students such as by working on creative and beneficial research, and participating in discussions with researchers in a wide variety of fields including people working at companies.

Transportation Instructions for Getting to Nagoya Institute of Technology



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