

## Nagoya Institute of Technology Graduate School of Engineering

## Graduate School code: 30

## Web site: <u>http://www.nitech.ac.jp/eng/about/faculty/reorganization/details.html</u>

1. Graduate School code	30		
2. Maximum number of participants	2 Participants per year		
3. Fields of Study	<ul> <li>Environmental \$</li> <li>Natual Disaster/</li> <li>Economics</li> <li>Agriculture (incomposition)</li> <li>Others(</li> </ul>	Science Disaste ⊔Soc I. Fish	<ul> <li>Marine Science Meteorology</li> <li>Prevention Science Tourism Politics</li> <li>Ciology Education Engineering</li> <li>eries) Geology ICT Medical Science</li> <li>)</li> </ul>
Sub Fields	<ul> <li>Architecture</li> <li>Civil and En</li> <li>Systems Mat</li> </ul>	and D vironn nagem	esign nental Engineering ent and Engineering
4. Program and Degree	Program	Archi Mana	tecture, Civil Engineering And Industrial gement Engineering
	Degree	Maste	r's Degree in Engineering
5. Standard time table	Basically starting as a Research Student up to 6 months, then 2 years as		
(Years needed for graduation)	a Master Student after passing the entrance exam.		
6. Language of Program	<ol> <li>(1) Lectures. Lectures of this program are given either in English or Japanese. In case where a lecture is given in Japanese, supplementary explanations shall be added in English.</li> <li>(2) Textbooks: English and/or Japanese.</li> <li>(3) Laboratory work: Research instructions are generally prepared by the supervisor in English.</li> <li>(4) Seminar: Seminars including Japanese students are generally in Japanese, but there are many occasions where foreign students can contribute to their seminars in English.</li> <li>(5) Thesis: Under a guidance of supervisor, discussions and reviews shall be regularly conducted in English.</li> </ol>		
7. Desirable English level and Necessary Academic background	Linguistic Abilit	ÿ	
	EJU, IELTS, Gl else	RE or	
8. Prior Inquiry From Applicants (Before Submission of Application Documents)	Before submitting application documents, you can inquire about your research theme/plan, in order to select an appropriate university supervisor matched with your research area.		
9. Website	http://www.nitech.ac.jp/eng/index.html		
10. Professors and Associated Professors	Name Contact Addre	88	Research Subject , Contact (e-mail) , Special message for the Future students E-mail Address for inquiries:

	To: international@adm.nitech.ac.jp
	Architecture and Design
Toshikatsu Ichinose	Building structures/ materials
Hideki Idota	Building structures/ materials
Masahiro Inoue	Product design / Good design
Yuka Ishikawa	Gender and language/ Text analysis
Toshiyuki Kaneda	Social systems engineering/ Safety system / Town planning/ Architectural planning
Kiwako Kamo	
Noriko Kawahashi	Religious studies
Shinji Kawabe	Building structures/ materials Recycling engineering
Yasuyuki Nagafuchi	Religious studies Cultural anthropology/ Folklore
Nobuko Fujioka	Aesthetics/ Art history Architectural history/design
Kazuyoshi Fumoto	Architectural history/design
Takeyoshi Ishimatsu	Values Found to Attractive Elements
Takanori Ito	Town planning/ Architectural planning, Architectural Design
Hisashi Umemura	Building structures/ materials
Keisuke Kitagawa	Town planning/ Architectural planning Architectural history/design
Fumio Kusuhara	Seismic Engineering / Reinfoced Concrete Buildings / Prestressed Concrete Buildings / Earthquake Resistant Building Design / Nonlinear Earthquake Response Analysis
Yoshinori Komatsu	Architectural environment/ equipment
Atsushi Sato	Structural Engineering
Mine Sudo	Architectural environment/Equipment
Yoshinori Natsume	Architectural history/design Town planning/ Architectural planning
Civil and Environme	ntal Engineering
Makoto Obata	Structural engineering/ Earthquake engineering/ Maintenance management engineering
Masahisa Seguchi	Philosophy/ Ethics
Cho Ho	Constitutive modeling of geomaterials, Seismic evaluation of earth structures, Numerical analyses in geotechnical engineering, Soil mechanics & rock mechanics
Akihiro Tominaga	Hydraulic engineering
Eizo Hideshima	Civil engineering project/ Traffic engineering
Tetsuya Nonaka	Structural engineering / Earthquake engineering
Motohiro Fujita	Civil engineering project/ Traffic engineering
Tsumoru Fujimoto	Philosophy/ Ethics
Kenichi Maeda	Geotechnical engineering / Natural disaster science

	Masami Iwamoto	Structural engineering/ Earthquake engineering/	
	Takumi Uehara	Civil engineering materials	
	Toshikazu Kitano	Hydraulic engineering	
	Koji Suzuki	Civil engineering project/ Traffic engineering	
	Kazutoshi Nagata	Structural engineering/ Earthquake engineering/	
		Maintenance management engineering	
	Michiko Masuda	Ecology/ Environment	
	Nacha Vachida	Modeling and technologies for environmental	
		conservation and remediation	
	Systems Managemen	t and Engineering	
		Production Systems, Product /Service Design,	
	Masahiro Arakawa	Information Systems, Intelligent informatics	
		System engineering, Optimal Algorithm,	
		Simulation	
		Social systems engineering/ Safety system	
	Katsunori Sumi	science/ Humanistic social informatics Social	
		psychology Clinical psychology	
		Operations research/ Stochastic models and their	
	Koichi Nakade	applications to production systems	
		Reaction engineering/ Process system Control	
	Yoshihiro Hashimoto	engineering Social systems engineering/ Safety	
		system Properties in chemical engineering	
		process/ Transfer operation/ Unit operation	
	Atsuhiro Hayashi	Computational Statics / Neural Network /	
		Educational Statics, Data AnOalysis	
		Management, Business Continuity	
	Kenii Watanahe	Risk Management Business Continuity	
	Kenji watanabe	Management. Critical Infrastructure	
		Management	
	Kaii Kanda	Experimental psychology Social systems	
	Koji Kanda	engineering/ Safety system	
	Hironobu Kawamura		
	Mitsutoshi Kojima	Social systems engineering/ Safety system	
	Norio Tokumaru	Applied economics Economic theory innovation studies	
		Social systems engineering/ Safety system System	
	Junichi Yokoyama	engineering Applied health science Public health/	
		Health science	
	<b></b>		
	Nagoya Institute of T	Technology (NITech) was founded in 1905 in the	
	concentrated. Since then, as an engineering college covering almost all		
11. Features of University	fields of engineering, NITech has grown with regional industry and		
	society, producing over 70,000 talented individuals throughout its history		
	of over 100 years.		

12. Features of Graduate School	Aiming to "foster practical engineering elites" and to "serve as an engineering innovation hub," NITech established a new program in April 2016, based on NITech's strategy for Development Human Resources in Science and Technology which focuses on the development of human resources sought by the industrial world. The new "Creative Engineering Program" is a six-year integrated undergraduate and graduate course in an interdisciplinary field whose aim is to cultivate students with broad perspectives. In conjunction with this new program, NITech will reorganize its present seven undergraduate departments and eight graduate departments (with doctoral programs) into five undergraduate departments and six graduate departments. Stepping onto a new global stage while respecting tradition, NITech will pursue its mission of contributing to strengthening the international competitiveness in industry.
	<ul> <li>NITech Program features the areas of specialization listed below.</li> <li>Students must be enrolled in the program and take 30 or more credits including lecture practicums and lab work to complete their master's thesis.</li> <li>During the initial 6 month period of research student, student should discuss about the direction of further research in Master' s degree program with professor.</li> <li>Architecture and Design;</li> <li>This field encompasses the planning, design, construction and maintenance of structures, and design for human activities and services.</li> <li>Students acquire advanced knowledge and skills related to architectural design, structural design, design of construction in the context of urban and residential environments, urban and landscape analysis, structural</li> </ul>
13. Features and Curriculum of Program	<ul> <li>and residential environments, urban and landscape analysis, structural composition of building groups, maintenance of historical buildings, analysis of structural safety, product design, building interior design, analysis and design methodologies for physical objects, abstract values, and services.</li> <li>Civil and Environmental Engineering:</li> <li>The programs offered by the Department are geared toward training professional engineers who can contribute to building attractive urban societies, sustainable cities, and a strong homeland, as well as enhancing overall urban development. Students will pursue the fundamental expertise required to design structures that achieve a balance between protection against natural disasters and reaping benefits from the natural environment. Their education will therefore encompass the study of earthquake resistance, materials, hydraulics, soil conditions, planning, environmental impact projections, specialized mathematical and statistical knowledge, disaster prevention, energy, technology for sustainable management, rationalization, and ecosystems.</li> </ul>
	<ul> <li>Systems Management and Engineering;</li> <li>This field encompasses the comprehension of our increasingly complex societies, multifaceted information collection and analysis, and problem</li> </ul>

	solving. Students will acquire advanced industry-related knowledge and
	skills in manufacturing, information technology, finance, methodologies
	from the standpoint of management sciences as applicable to public
	institutions, optimal solutions and accurate projections, creating
	platforms for shared values, decision-making, framing a management
	vision, the setting of targets to achieve a management vision, systems
	management, project management, and risk management.
	October 2018 : Enroll as a research student
	January–February 2019 : The Entrance exam will be held in late January
	or early February
	April 2019: If the research student passes the entrance exams, he/she will
	enroll in Master's degree program as a regular student.
	[Academic Calendar]
	Start of Academic Year/Beginning of First Semester: April 1
14. Academic Schedule	Entrance Ceremony: April6
	Summer Vacation: August 1 - September 30
	Beginning of Second Semester: October 1
	NITech Aniversary: November 1
	NITech Festival: mid-November
	Winter Vacation: December 24 - January 6
	Whiter Vacation. December 24 Sandary 0
	★March 2021 : Graduate and obtain Master's degree
15. Supporting service to Internation	nal Students
	In NITech, there are following offices and centers for supporting
	International Students. Each of them has specialized role in order to
	help you in a proper way depending on the problem. What we place the
	most importance is to keep closer communication between the parties so
	that we could give you the comprehensive support.
	- International Student Affairs Office;
	Is responsible for the procedure necessary for International Students
	before coming and after arriving to Japan, in addition to visa extension,
	certificate issuance, application for International House,
International Students Support	accommodation related matters, scholarship and so on. The office acts
Conter for Consulting or courseling	as first contact window for International Students.
about daily life campus life	
cross-cultural adjustment etc	- Education Center for International Students;
cross cultural aujustificiti cic.	Is responsible for offering Japanese Language courses and organizing
	cultural exchange events and activities.
	- Career Support Office;
	Provide various support for who wish to find a job in Japan by
	job-offering from the company wishing to hire International Students,
	organizing Internship programs, seminars focusing on International
	Students. They also support your job-hunting by CV check, mock
	interview and personal consultation.
	- Health Support Center:

	You can take health check every year. And also you can have a personal
	consultation with medical doctors. First aid is also available.
	There are also Tutorial System in which newly arrived International
	Students are paired up with a Japanese student or an experienced
	International Student (Tutors) who are in charge of supporting you in
	every aspect of daily and campus life so that you could start a new life
	The new dormitory with 208 single rooms will start expertion from
	April 2018
	It is a share type dormitory and a unit consists of eight rooms
Provision of Student Dormitory	Each unit has a kitchen and two shower rooms and each room has a bed.
	a desk, a chair and air-condition.
	Newly-arrived students will be given priorities to move in.
	Occupancy period is up to a year.
	- Intensive course for International Research Students
	Comprehensive Japanese course with the classes 5 days a week, with
	the objective to master basic level (corresponding to JLPT N4) in half a
	year.
	- Classes for all international students and researchers
	For brushing up your Japanese, we have set a wide variety of the
Japanese Language Education	classes. You can take the classes according to your level from basic to
Program for International Students	advanced including business Japanese or to your needs such as
	speaking, listening, writing and reading.
	- Japanese Course for NITech's Family Members
	Your family can also learn communicative Japanese from our volunteers
	with specialized knowledge.
	* All the course are offered free of charge.
	Events and Activities
	- Welcome party
Cultural Activities	- Study Tour
	- Japanese culture experience lesson (Japanese calligraphy, flower
	arrangement, tea ceremony, etc)
Any special attention to Religious	For Muslim students. Halal foods are served in the canteen under
Practice	Islamic dietary guidelines.
facilities (Library etc)	Library, Health Support center, Dormitory, University Hall (with
facilities (Library etc)	Convenience stores) Cympasium
	- NITIA (NITach International Association).
	Our International Students organize NITIA by themselves with the
	purpose of having opportunity to experience Japanese culture and
Please state other particular	enhancing friendship with Japanese students through parties and small
supporting service you are	trips (welcome party, cherry-blossom viewing. etc)
endeavoring, if any.	
	- Student Assistant;
	They are the volunteer of Japanese students, who are stationed on

	campus every day to support International Students' camus life. You can consult any small problem to them about daily life, student life or	
	language problem, etc	
	- Japanese Students in International House; You have someone to ask for help even at evenings. There are 5 Japanese students living in International House together with International Students. They are on duty from 20:00 to 22:00 every weekday so you can talk to them if any support needed.	
16. Message to Prospective International Students		
Message from University	NITech dates back to 1905 when Nagoya Higher Technical School was founded. Since then, it has developed as one of the leading engineering colleges in Japan. Now NITech has become one of the largest engineering institutes in Japan covering almost all fields of engineering. Over recent years, NITech has been promoting international collaboration with the overseas academic partners with a view to enhancing our contribution to global society. The number of the overseas academic partners has now reached more than 60, and receiving about 300 international students from 27 countries and regions as of 2015. Under the circumstance, we have established very good connection between the Professor, Staffs and Japanese students' supporters in order to create International student-friendly environment and give you as much close support as possible, so that you could feel less anxious in new life and could concentrate on their study and research. In addition, taking advantage of being located in Japan's largest industrial area, we have built up the full support system of job-hunting for International students. For who aspire to develop the career in Japanese companies in future, we offer internship programs, business Japanese courses and career counselling seminars by the Japanese companies globally expanding their business.	
Voice of International Students	<ul> <li>We are looking forward to supporting you to make the most out of NITech life.</li> <li>Issa Mubarek Mohammed (Ethiopia)</li> <li>Department of Electrical Mechanical Engineering of Graduate School of Engineering</li> <li>First of all, I am really grateful having this opportunity to write. I used to work in Ethiopian institute of agricultural research in agricultural machinery research sector. I don't remember the time exactly but it was around one and half years ago, I got a phone call from my boss and from that phone call I heard about coming to Japan. Can you imagine that it was really awesome news in my life? After that news I started to check profiles of universities in Japan that is listed by Abe Initiative scholarship. From that profile check I was interested in Nagoya Institute of technology. Because this university has what I really needed to study that is, studying in the field of mechanical engineering.</li> </ul>	

the stream of electro mechanical engineering. My research area focuses on the improvement of robotic small scale wheat row planter.

It is obvious if go out from your country you will face cultural and traditional difference. Even if I had some information about culture and tradition of Japan when I came to Japan I got kind of confused, but within a short period of time I got used to it. As far as I can tell life in Japan especially in NITech is exciting. Because I am getting support in every aspect of my life in NITech. Especially my Professor Mizuno Naoki, my lab mates and others like international student's office, my scholarship office and from foreign students. For that I am really grateful. In general life in NITech is safe, exciting and enjoyable.

The major objective of my scholarship is establishment of the linkage between African countries and Japan. To achieve this objective, African youths are given a wonderful opportunity to do their Master degree in any of the universities across Japan. Beside of the master program we will have internship at Japanese companies. Having said that, I am planning to engage with Japanese companies interested in making business in Africa especially in Ethiopia. In general, I want to become an entrepreneur and an agent for the Japanese companies. NITech has a good reputation, when it comes to the field of technology, along with its world renowned laboratories and outstanding Professors; it makes me immensely proud to be a student and to achieve my dream. The institute gives me an opportunity to interact and communicate ideas with some of the great minds in Japan. I believe that I will be able to produce an impact in the field of engineering due to the guidance from the institute. Besides academic achievement I am having an experience of different countries culture and traditions.

I would like to give a short message for the students who are coming to study in Nagoya institute of technology, if you have an opportunity to study at this University it is going to be great, because you are going to join NITech that is well equipped in every aspect.