

National University Corporation

**NAGOYA INSTITUTE  
of TECHNOLOGY**

**Bulletin  
2015**



## Fundamental Mission

Nagoya Institute of Technology (NITech) was founded as the first national institution of higher education in central Japan in order to develop the region as Japan's center of industry. Maintaining a respect for this historic mission and acting as one of the leading engineering institutes in Japan, NITech shall therefore make its fundamental mission as follows: developing revolutionary science and technologies, fostering rich human resources, and contributing to peace and social welfare of the future by acting as a source to consistently produce and develop new industries and culture.



## Monozukuri (Innovation)

NITech shall respect practical and creative research activities based on the independent ideas of its members, encourage global academic cooperation, and endeavor to create new values while believing in the unlimited possibilities of engineering beyond the constraints of conventional frameworks of engineering.

## Hitozukuri (Education)

NITech shall devote itself to foster leading human resources whose unique qualities and international minds possess the ability to develop a new science and technologies based on engineering and change the world by exploring, creating, challenging, and taking action.

## Miraizukuri (Contribution)

NITech, as an open institute with a public mandate, shall emphasize harmony and cooperation with local and international societies, and strive to make continuous efforts to realize a peaceful and prosperous society for the future.



### — Embarking on a New Role on the Global Stage based on Tradition —

This year, Nagoya Institute of Technology (NITech) celebrates the 110th anniversary of its founding. Backed by the expansion and development of the central region of Japan, NITech has been growing as one of the leading engineering universities in Japan, along with the remarkable development in science and technology, despite turbulent social circumstances. NITech has produced many excellent human resources, and accomplished preeminent research results that inspire innovation, under its founding philosophy: “Striving to identify practical issues to be addressed in the industrial community and society in general, pursue these issues as themes for practical research, and at the same time utilize the research outcomes for practical education.”

#### **Educational Objective—Nurturing a Practical Engineering Elite**

NITech aims to provide education that fosters lofty aspirations to shape a better future with science and technology. To this end, NITech nurtures human resources who have the wisdom to understand the development of history, culture and society from a global perspective, and who have the ability to put scientific and technological skills into practical application to help create a new society. Based on this educational policy, we formulated the NITech Strategy for Developing Human Resources in Science and Technology, which capitalizes on educational cooperation among industry, government and academia. Under this strategy, we are implementing future-oriented education reforms by such means as introducing a six-year integrated undergraduate and graduate course, reorganizing departments and courses in response to the academic system and social needs, and proactively recruiting faculty members from the business world as well as from foreign countries. In the context of society’s ever-intensifying globalization, there is increasing demand from the industrial community for developing human resources who can play active roles in the international arena. To meet such demands, we will strengthen our global education by reinforcing our programs to help students develop their foreign language abilities, as well as our study-abroad and overseas internship programs.

#### **Research Objective—Establishing an Engineering Innovation Hub**

NITech aims for research that contributes to peace and well-being in the world through engineering. Toward this objective, we are striving to establish a research hub that can design new values in our cutting-edge, original research activities in various engineering fields (that make NITech a “treasure trove of technologies”) so as to create innovation, and then disseminate the outcomes to the world. Based on this research policy, in April this year we set up the Frontier Research Institute for Materials Science and the Frontier Research Institute for Information Science. We are promoting the activities of these centers so that they will become international research hubs that can function as joint research units with other research entities in Japan and overseas. By applying the achievements of these two centers to other research disciplines, NITech will organically integrate its institute-wide research system. In doing so, we seek to create a driving force for innovation in such fields as energy, life and intelligent technologies, and to develop globally competent human resources. Furthermore, by taking full advantage of its highly-evaluated track record in industry-academia collaborations, NITech will proactively support local companies that strive for further development, in order to help sharpen the global competitive edge of Japanese industry.

#### **Objective of Campus Development—Creating an Internationally Diverse Environment**

Aiming to create a campus at which diverse people work together in harmony, NITech promotes the development of an internationally diverse environment. In keeping with this policy, we strive to advance campus internationalization inside and outside NITech. Chief among our efforts are improving educational programs and support systems intended to attract more international students, inviting research units of foreign faculty members, and augmenting international exchange facilities through effective use of overseas offices and alumni associations. NITech is also vigorous in promoting gender equality. Specifically, institute-wide efforts are under way to expand the support system for female researchers and increase the ratio of female students. Optimally utilizing the power of women will enable NITech to further boost its vitality. Moreover, we work to encourage interchange with business personnel by enhancing internship programs as well as programs for working adults that let them learn together with other students.

To maximize the potential capabilities of individual students, we will actively provide direct support and consultation to students in regard to their extracurricular activities, job hunting, and everyday life. In conjunction with these activities, NITech is intensifying its efforts to create a campus that enables students to develop themselves through exchange with diverse people.

Ever since its opening here in Gokisogaoka, which is blessed with abundant greenery, NITech has continued to evolve thanks to generous support from local industries and the local community. While endeavoring to maintain and strengthen its tradition and achievements, NITech remains committed to growing as an attractive institute that deserves support from industry, the local community, and its graduates. NITech is embarking on a new role on the global stage, further exploring forward-looking fields in the discipline of engineering to anticipate the needs of the future.



Hiroyuki Ukai  
President, Nagoya Institute of Technology

Charter of Nagoya Institute of Technology

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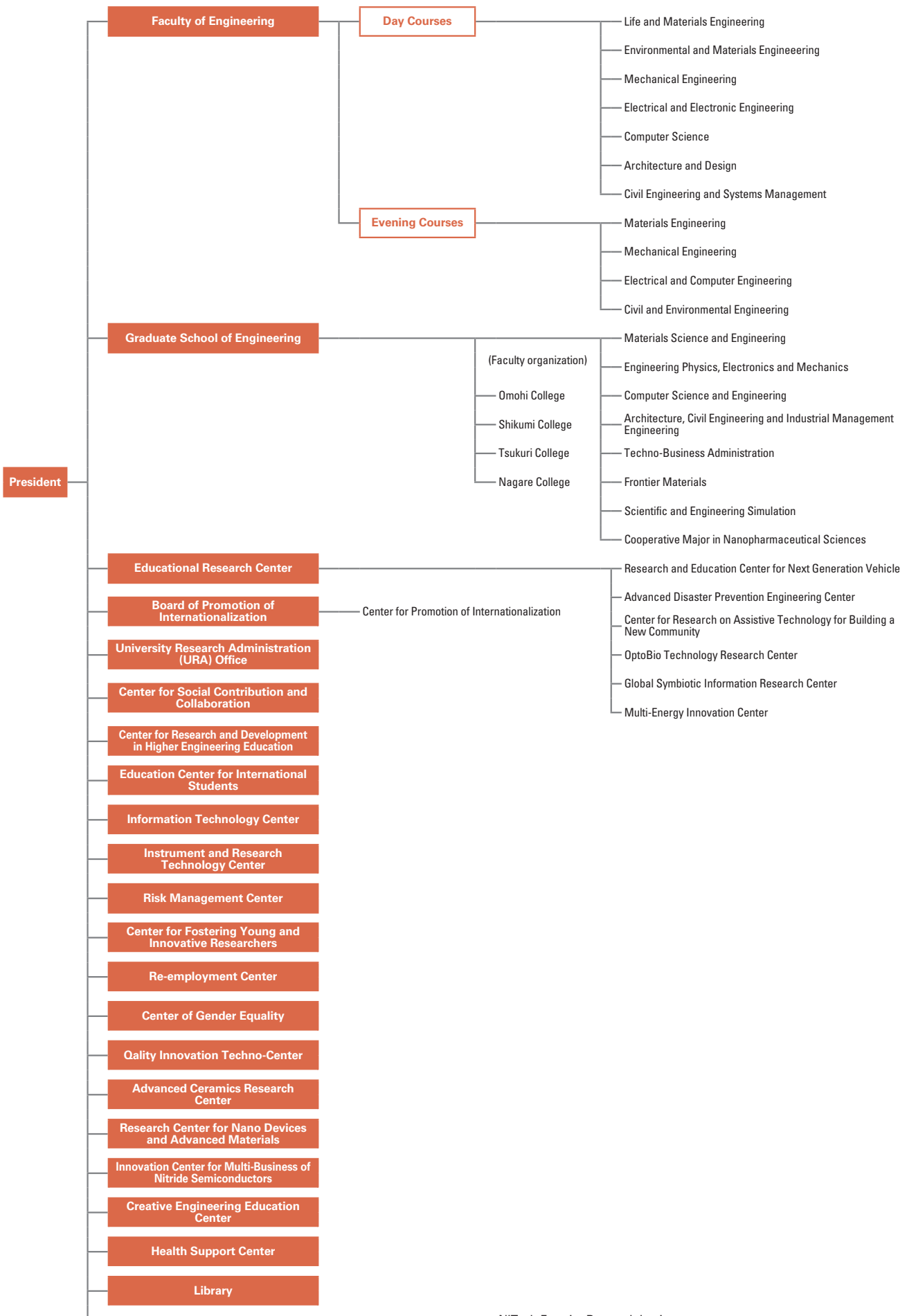
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The cover design expresses TSUGITE (wooden tongue and groove joint), a traditional Japanese construction method used in wooden structures. TSUGITE is widely used from wooden houses to historical structures such as temples and shrines. Red color (BENIHI) represents Japan, while other colors represent other areas of the world.

This bulletin was designed by the project team, NIT DESIGN PROJECT (NDP). NDP was established in 2008, and consists mainly of students studying in the Department of Architecture and Design. We aim to make our university more attractive through the power of design.



## **Department of Life and Materials Engineering**

This department is concerned with a diversity of materials and their reactions taking both chemical and biochemical approaches. The goal of the life and materials engineering discipline is to train researchers and technical experts with extensive knowledge and innovative thinking in the field. We offer three programs:

### **(1) Molecular Chemistry Program**

This program provides educational grounds and advanced research on the syntheses, structural characterization, reactions, and functions of a diversity of materials including natural products and organic and inorganic materials.

### **(2) Biological Chemistry Program**

This program provides educational grounds and advanced research on the relationship between structure and function in biological materials essential for living organisms and on the development of new functionality based systems through reactions in vivo and functionality assessment.

### **(3) Biomaterials Program**

This program provides educational grounds and advanced research on the functions and mechanisms for material production in living systems and on the development of novel polymer materials and health-related products applicable in the industrial and medical fields.

## **Department of Environmental and Materials Engineering**

In recent years, people are becoming more and more concerned with environmental issues such as “recycling”, as well as “being environmentally clean”. Today, the means of solving many environmental problems are closely related to technology, including materials science and engineering. Our department has been established for the purpose of developing materials science in harmony with the global environment, and also for the development of environment-friendly materials which we call as “*e-materials*”. Our research fields cover the whole range of materials science, from analytical techniques at the atomic scale to innovative processing techniques suitable for mass production.

We have developed two professional education programs, the Ceramics Program and the Materials Function Program. In association with our graduate school, regional industries and communities, we strongly expect our programs to turn out great many promising engineers and scientists.

## **Department of Mechanical Engineering**

The Department of Mechanical Engineering offers a wide-ranging curriculum in fields including Thermal Science and Combustion, Fluid Mechanics, Solid Mechanics, Manufacturing and Material Processing, Mechatronics, Biomechanics, Computational Science and Applied Physics. The Department provides the following three undergraduate programs to foster engineers and researchers with a firm basis in scientific and technological knowledge for mechanical engineering: (1) Fine Measurement Program, (2) Mechanical System Program, and (3) Energy System Program. At the end of the first academic year, students choose one of these three programs. The Department offers educational flexibility for students who wish to target specific disciplines. Students can take credits in other disciplines that complement their individual interests, with some limitations. More than 60 percent of all undergraduate students proceed to a graduate school.

## **Department of Electrical and Electronic Engineering**

The Department offers three distinct programs: Electronics Program, Energy Design Program, and Communications Program. All students are required to select one of the three programs at the beginning of the second year of study. Each program provides students with a unique curriculum necessary for an electrical and electronic engineer to meet the current and future challenges of a professional career. All students will obtain a common mathematical and physical foundation, including linear algebra, differential equations, electrical circuits, and electromagnetics. In addition to classroom experience, the curriculum is planned to also provide laboratory experience in electrical and electronic circuits, control systems, electron devices, material physics, electromagnetics, communications, signal processing, and

so forth.

## **Department of Computer Science**

The Department of Computer Science offers a wide and attractive curriculum of computer science and information technologies.

Information technologies have become kernel technologies of almost all industries and have formed a central infrastructure of our world.

We provide three programs: (1) Computer Network, (2) Artificial Intelligence, and (3) Multimedia & Human Computer Interaction (HCI).

Each program consists of professional subjects in the forms of lectures, training exercises and experiments.

Before advancing to the professional subjects, students learn the basic subjects of the field such as programming, computer hardware and software, algorithms, information theory and mathematics.

After completing our undergraduate courses, students are encouraged to continue their further education and research at a graduate school.

## **Department of Architecture and Design**

Our history dates back to 1905, when the Department of Architecture was established as one of the first institutes of architecture education in Japan. For over 100 years since then, we have produced many prominent architects and engineers.

In 2004, the design program was inaugurated and the department evolved into a hub for more comprehensive design education, covering not only urban design and architecture but also a wide range of products that facilitate and enhance our daily life.

We are committed to providing quality education, ranging from core engineering to humanities, in order to promote students' abilities to create outstanding architectural achievements and epoch-making products which are both functional and beautiful.

## **Department of Civil Engineering and Systems Management**

Our department offers a choice of two curricular programs, Civil and Environmental Engineering Program and Systems Management Engineering Program.

The aim of both programs is to educate engineers who are able to solve various kinds of social problems.

The Civil and Environmental Engineering Program provides excellent learning and research facilities in the fields of urban and transportation planning, geotechnical engineering and analysis, seismic evaluation of structures, concrete material and structures, disaster prevention of river and coastal areas, and conservation of ecology, which include the planning, design, construction maintenance and operation technologies of social infrastructures. It also aims to educate students to be able to become engineers who can contribute to the formation of more environmentally harmonic urban areas with strong resistance against natural disasters. Graduates of the program can find jobs in a wide range of fields, including national and provincial governments, railway companies, general construction companies, etc.

Systems Management Engineering Program provides students with the opportunity to study management problems together with education on well-structured management techniques. Through concentrated lectures and project studies, each student cultivates his/her hidden capabilities and captures frameworks for understanding the essence of the Management. Furthermore, students can work with advanced management technologies and attempt to develop creative thoughts for the next generation of enterprise through the process of research for their undergraduate thesis. Creative and adaptive graduates from this program are working in various social and industrial fields. They have been evaluated as problem-solving engineers by incorporating management methodologies for corporate resources (staff, equipment, money, information and time, etc.), qualities and technologies.

## **Department of Materials Science and Engineering**

In the 21st century, it is increasingly important to achieve a good balance between protection of the global environment on the one hand and, on the other hand, to continue to make advances in technology and science for the betterment of all. The Department of Materials Science and Engineering focuses on the development of novel materials with the goal of increased functionality and improved properties and characteristics. Our efforts span a wide range of chemical and physical fields, including organic, inorganic, metallic, macromolecular, and bio-related fields. Correspondingly, the Department has five major divisions: Organic Materials; Inorganic Materials; Materials Function and Design; Chemical Process; and Life Function. This Department is a proving ground for efficient scientists and skilled engineers. The graduate students of the Department learn the essence of materials and their diverse applications enabling them to take active roles in various industrial fields.

## **Department of Engineering Physics, Electronics and Mechanics**

The Department of Engineering Physics, Electronics and Mechanics consists of four divisions: Mechanics, Energy, Fine Measurement, and Electronics. The first three are linked to the Department of Mechanical Engineering within the undergraduate school. Their education and research activities cover all fields of mechanical engineering, including measurements, analyses and simulations in physics. The last one is linked to the Electronics Program of the Department of Electrical and Electronic Engineering within the undergraduate school. Its education and research fields cover device technology and material science in electronics. Postgraduate students in this department study across a broad range from basic and applied physics to their applications in the most advanced mechanical and electronic engineering fields.

## **Department of Computer Science and Engineering**

The Department of Computer Science and Engineering combines advanced knowledge and techniques from a wide range of fields including mathematics, information technology, computer science, artificial intelligence, artificial life, software engineering, hardware engineering, system control engineering, and speech and image processing.

The department has five areas of specialty: Mathematics and Mathematical Science, Computational Intelligence, Computing and Communications, Systems and Control, and Multimedia and Human Computer Interaction.

In these five areas, we offer an education that allows students to follow their own interests within a flexible framework. While learning, students also have the opportunities to engage in state-of-the-art research. The department also works closely with industry requirements to develop human resources who can contribute to society.

## **Department of Architecture, Civil Engineering and Industrial Management Engineering**

The main purpose of our department is to pursue a better environment and infrastructure for society in view of architecture, civil engineering and industrial management. Our approach includes a wide variety of methods such as policy making, planning, structural design, infrastructure maintenance, environmental engineering, construction materials, architecture, production engineering & management, logistics, and so on. The research frontiers of these fields have been expanding along with changes in our shared values. We therefore welcome students with multidisciplinary backgrounds to tackle diversified research targets. Our department currently consists of the following four core divisions; "Human Space", "Civil Engineering", "Environmental Engineering and Disaster Prevention" and "Management Engineering".



## **Department of Techno-Business Administration**

The Department of Techno-Business Administration was established in 2003 and has been providing its students with a thorough understanding of important issues such as entrepreneurship, innovation, intellectual property, technology-based management and marketing, industrial policies, and academy-industry-government cooperation for R&D through critical thinking. The course offers two programs: the one-year master program for those in employment who wish to advance their career, and the two-year program for new graduates who hope to frame their thinking process from the perspective of Technology Management.

## **Department of Frontier Materials**

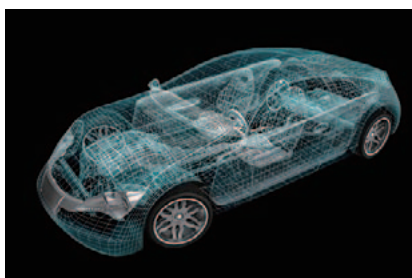
A new paradigm in the 21st Century is expected to answer energy and resource problems, environmental issues, and medical issues. Our Department specifically focuses on the development of environment-friendly, high-performance frontier materials in a wide range of chemical and physical fields relating to chemical conversion, energy conversion, nanotechnology, and life science. The graduate students have research training in advanced theories and technologies in one specialized field selected from among Environmental Ceramic Materials, Advanced Energy Materials, and Molecular Life Science and Nanotechnology.

## **Department of Scientific and Engineering Simulation**

The mission of the Department of Scientific and Engineering Simulation is to study challenging fundamental problems in science and engineering by using high-performance computers to develop consolidated systems that embody the physical and semantic contents of information, for application to more complex engineering and environmental problems, and also to develop highly advanced software technology. The Department consists of the following three fields: Field of Computational Applied Sciences, Field of Computer Science and System Engineering, and Field of Simulation in Civil Engineering and Architectural Systems. Students learn theory to acquire software skills and to work closely with staff members from different fields of the Department.

## **Cooperative Major in Nanopharmaceutical Sciences**

The Department of Nanopharmaceutical Sciences was established in cooperation with the Graduate School of Engineering at the Nagoya Institute of Technology and the Graduate School of Pharmacy at Nagoya City University. This department has three divisions: Division for Synthesis of Functional Medicine (fine organic synthesis and biotechnology); Division of Drug Delivery (Science of drug delivery, Science of drug dynamics, and Protein engineering); and Division of Nanoengineering for Medicine (nanobioengineering, biomechanics, and nanoimaging). Graduate students of this department study engineering and pharmacy on an equal basis, and will become core researchers and engineers in various fields of research and development such as new drugs, functional foods, and cosmetics.



### Center for Research and Education of Next-Generation Vehicles

The Center for Research and Education of Next-Generation Vehicles was established to conduct research in the next-generation automobile related field, which integrally solves energy problems and environmental problems, to build up next-generation automobile engineering associated with industries, as well as to provide education regarding next-generation automobile engineering.

As one of its functions, this research center carries out research and development in the Producing Technology Division, the Power Control Division and the Power Electronics Division.

Another activity is to create education programs utilizing the “Factory Manager’s Training workshop”, “3D-CAD engineer training course”, and resources from the R & D Division of this center.



### Advanced Disaster Prevention Engineering Center

Prediction, mitigation and control of huge natural disasters such as earthquakes, tsunamis and typhoons will be the final goal of ADPEC. By clarifying the process and mechanism of each type of natural disaster and developing various kinds of technologies utilized for such huge disasters, we aim to establish a world leading research center for disaster prevention and mitigation.

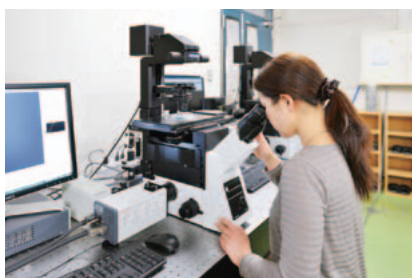
Meanwhile, we will make every effort to help prevent and mitigate huge disasters based on the viewpoint of useful and easily acceptable technologies. We always keep in mind that the technology we develop should be able to make a real contribution to the construction of a robust society that can stand strongly in the face of a natural disaster.



### Center for Research on Assistive Technology for Building New Communities

The Center aims at continuous and comprehensive research on assistive technology for building new communities in Japan in the 21st century, the era of the aging society. This new community enables people of all generations to cooperate and live happily through the union of engineering, humanities and social sciences.

Activities: One of the aims of the Center is to contribute to continuous and comprehensive research on assistive technology for building a new community in the 21st century in Japan, known as the “society of the aged”. The other aim is to evaluate the quality of assistive technology from the standpoint of building a new community.



### OptoBio Technology Research Center

Life science utilizing optotechnology is a rapidly growing research field. “Optogenetics” has recently brought about outstanding breakthroughs in brain science, while the established “optical measurement” technique was awarded the Nobel Prize in 2008. The center contributes to our community by creating a new field of industry, which is based on the engineering approach in life science that is engaged in light reactions. By comprehending the physics of light, and in order to manufacture bio-inspired new materials, we aim to improve health-related quality-of-life. Membrane protein rhodopsins, the light-driven ion-pump, for instance, which has already been applied in the field of optogenetics, is still to be optimized to give the best performance and safety. Across three departments, we will spur each other on in enhancing our respective research activities in tight collaboration, as well as promoting the integration of interdisciplinary research fields beyond the center.



### Global Symbiotic Information Research Center

In recent years, various social problems have been emerging due to differences in languages, differences in cultures, differences in values or differences in psychosomatic functions as a result of rapid globalization and social diversification. For example, diplomatic problems based on differences in cultures, historical views and religions are increasing year by year.

In this research center, we develop information technologies for people to communicate harmoniously and reach agreements while overcoming differences in language, culture, historical views, values, psychological functions, etc. In addition, we develop information technologies to remove barriers for impaired people, and support these people in participating fully in society.



## Multi-Energy Innovation Center

The generation of “green” energy is a global concern and especially important in Japan. For the green energy generation, various types of energy sources must be available. Thus, one of the solutions to the green energy system must be an independent micro energy supply system consisting of various types of energy sources (multi-energy sources) with less energy accumulated, controlled by an intelligent total energy manager, and the parallel development of cheaper and higher performance energy accumulators. At the Nagoya Institute of Technology, research on “generation,” “storage,” “saving,” and “delivery” of energy had been conducted independently. The Multi-energy Innovation Center was recently established to construct the above-described green energy system based on our own research achievements.



## Center for Social Contribution and Collaboration

In order to promote and strengthen our industry-academia-government collaboration strategy, this center has been organized into two divisions: the Planning and Administrative Division and the Intellectual Property Utilization Division. The latter has functions such as technology transfer support and practical liaison activities. As a core organization for promoting NITech’s industry-academia-government collaboration project, we aim to enhance the functions of our one-stop service, and facilitate further coordination with industry.



## Center for Research and Development in Higher Engineering-Education

The Center for Research and Development in Higher Engineering-Education was established in April 2005 to support the engineering-education system of NITech (Nagoya Institute of Technology). The Center consists of three Offices; “Admission Research Office”, “Educational Research and Development Office”, and “Career Support Office”.



## Education Center for International Students

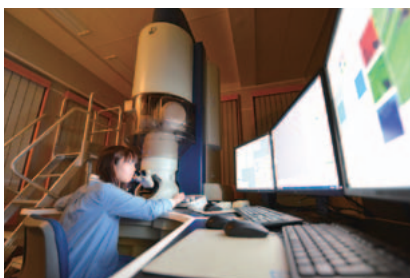
The Education Center for International Students provides international students with a wide range of educational activities/programs, such as Japanese language courses and support regarding the studies and lives of international students.



## Information Technology Center

The Information Technology Center opened in April 2006. This organization provides the information infrastructure for the Nagoya Institute of Technology. The center consists of three sections:

(1) Database administration, (2) Course management systems, and (3) Network management and network security. We are also developing a new system for administrative offices and education services based on IT technology. We carry out education and research in the areas of computer networks, information media, and computer and network security.



## Instrument and Research Technology Center (IRC)

The main missions of the Instrument and Research Technology Center are (1) management of large-scale instruments for research and (2) promotion of cooperative use of the instruments. The staff (1) carry out research for advanced instrumental analyses and (2) provide support for education and research on the campus and/or in industry. The dedicated staff also provide scientific and technical consultation for instrumental analyses.



## Risk Management Center

The center aims to protect normal academic operations and minimize potential damage, in the case of a natural disaster, accident, legal matter or any other emergency which might place students and staff of NITech at risk, bring disgrace to NITech or cause serious damage to the assets or property of NITech. The center consists of two sections: the Disaster Prevention Section and the Legal Risk Section.



## Center for Fostering Young and Innovative Researchers

Established in 2009, the center aims to assist innovative young researchers in achieving internationally recognized levels in their research, to lead interdisciplinary and integrated research and education, and to contribute to emerging disciplines. The center takes charge of training and evaluating the young researchers based on the "Program to Train Innovative Young Researchers by Industry-Academia-Government Collaboration" since 2009, and those based on the "Program to Disseminate the Tenure Tracking System (Institution-based and Individual-based)" since 2013, both financed by the Ministry of Education, Culture, Sports, Science and Technology, and additionally all the newly employed research associates after 2015.



## Center of Gender Equality

The Center of Gender Equality (CGE) was established in December 2014 to promote diversity and gender equality on campus in order to create a more productive and comfortable academic environment for all members. In order to realize this concept, we are presently committed to conducting varied measures geared to researchers' life-event related needs. We are also now part of the Ministry of Education project to support women researchers in the field of science and technology. Thus, we aim to 1) provide academic support for women researchers, 2) investigate and try to support in the solution of their problems, 3) help establish a network of women researchers to bring them moral support, and 4) to spread the concepts of diversity and gender equality. Managing the counselling room for a better work-life balance for both sexes, the CGE seeks to create a people-friendly academic environment in which every member can pursue her/his research in a comfortable and productive manner.



## Quality Innovation Techno-Center

The Quality Innovation Techno-Center was established by a ministerial ordinance in April 2002 to provide advanced practical education on quality innovation not only to students but also to people already in employment, and to carry out research and development on education systems of quality innovation. The main objective of this center is to attempt to have young people develop their dreams and ambitions as well as an adventurous and challenging spirit toward Quality Innovation of the 21st century by offering an environment for technical education based on practice intra-extramurally. The following are examples of our activities: intramural education to further enrich practical education at the workshop for students and graduate students, education for extramural business workers, and technical lectures for junior high and high school students.



## Advanced Ceramics Research Center

Our mission is the research of fundamental ceramic science and the development of advanced intelligent ceramics for the solution of environmental and energy problems in the 21st century. The Ceramics Research Laboratory (CRL) was established in 1973 and moved to Tajimi City in 1977. This East-Gifu area's pottery industry has a long history. The CRL has been supporting the industrial research of many companies in this local area. In 2012, the CRL was reorganized into the present center for the purpose of developing intelligent ceramics. Since then it has contributed to ceramic science as well as academic education for research engineers on a worldwide scale. Recently, national projects and collaborations with other organizations and companies have led to excellent academic and technological work in the fields of ceramics and related materials.



## Research Center for Nano Devices and Advanced Materials

The Research Center for Nano Devices and Advanced Materials was established on April 1, 2003, following the winding-up of a 10-year project—the “Research Center for Micro-Structure Devices”—on March 31, 2003. The purpose of the center is to conduct research on physical properties of materials with a micro-structure (nano-structure) and their application to electronic and photonic devices, taking over the research works of “Heteroepitaxial Crystal of Micro-Structures”, “Basic Characterization”, and “Device Fabrication and Its Characterization” studied at the previous research center.



## Innovation Center for Multi-Business of Nitride Semiconductors

The Innovation Center for Multi-Business of Nitride Semiconductors was established as the base of industry-university-government cooperation for developing practical applications of GaN based power devices with NITech’s pioneering crystal growth technique to fabricate GaN film on Si substrate. The project realizes energy-saving semiconductors with high added value by taking advantage of the existing production lines of Si devices in collaboration with corporations dedicated to developing equipment for crystal growth and device processing, large diameter and high quality materials, and devices for home appliances, communications, automobiles, etc. The development process of equipment, materials, and devices are permanently-conducted under one roof.



## Creative Engineering Education Center

The center aims to plan and support the implementation of the new education curricula of the Creative Engineering Program to acquire multidisciplinary views as well as multilateral values based on a deep understanding of science and technology and proficiency in engineering methodology.

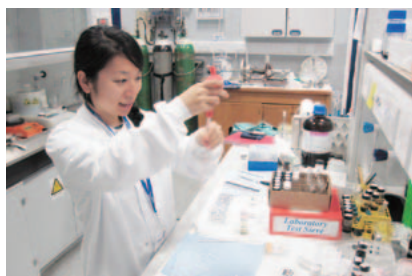
It contains the following three departments;

- 1) Creative Engineering Educational Planning and Evaluation Department to plan and evaluate Creative Engineering Program
- 2) International Cooperative Education Department to coordinate international cooperation on education and prepare educational materials
- 3) Social and industrial Cooperative Education Department to support business and social solution studies and coordinate regional collaboration work study programs.



## Health Support Center

This center provides health support for all members of the university, and offers early diagnosis and treatment, prevention of relapse and onset prevention. Under the School Health and Safety Law together with the Labour Safety and Health Law, we organize a health checkup for all workers and students. Anyone can have a personal consultation with a psychiatrist (MD), internal physician (MD), clinical psychologist, or nurse. First aid is also available.



## NITech Frontier Research Institutes

The NITech Frontier Research Institutes for Materials Science and Information Science, based on our research activities, has been organized to foster new global leaders. The objectives of the institutes are to create innovations in the fields of energy, healthcare and computer-related technology through international joint researches, and to promote advanced engineering education through the integration of research and education, for developing industries and communities.

The Frontier Research Institute for Materials Science focuses on green, energy and healthcare researches, while the Frontier Research Institute for Information Science focuses on life support and social computing researches.

### NITech International House

The purpose of International House is to promote international exchange in education and research, and also to provide accommodations for students and researchers with places to live.

Foreign students may move in April and October, period of stay is within 6 months. Students can have meetings or parties in the lobby or Japanese style room upon request.



Contact: [intpromo@adm.nitech.ac.jp](mailto:intpromo@adm.nitech.ac.jp)

### NITech Liaison Office in Beijing

The Nagoya Institute of Technology Beijing Office was established in the campus of the Beijing University of Chemical Technology (BUCT) in June 2011 under the Memorandum of Understanding on the Establishment of the Liaison Offices with BUCT. This office is determined to play a central role in China.

### NITech Liaison Office in Malaysia

The Malaysia Office was established in the campus of Universiti Teknologi MARA (UiTM) in March 2013 under the Memorandum of Agreement on the Establishment of Liaison Offices with UiTM as our main base in Malaysia.

### NITech Europe Liaison Office

The third office was established at Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU) in Erlangen, Germany in July 2013. This office plays a key role in Europe.

#### ★ Board of Promotion of Internationalization

The Board of Promotion of Internationalization was organized in April 2013, for the purpose of developing a policy regarding international relations, such as cooperation/exchange of students and research with overseas institutions of higher education.

As a core organization for promoting NITech's internationalization, we shall establish overseas liaison offices, implement projects, facilitate overseas dispatch of students, and develop a global network.



As the information center of NITech, the NITech library serves the students, faculty, and staff of NITech by collecting, cataloging, conserving books and other materials, and providing smooth access to them for research, study and education. There are various rooms available.

## Floor Plan



<b>4th floor</b>	Serials (Technology), Seminar Room
<b>3rd floor</b>	Serials (Natural Science, Technology, Industry), Study Booths, Seminar Room, Current Serials, NITech University Document Room, International Exchange Corner
<b>2nd floor</b>	Books (Technology, The arts, Language), Serials (Social Sciences, Natural Science), PC/AV Corner, Media Room, Reading Area, Seminar Room, Regional Collaboration Corner, PC Corner, Stacks, Refresh Corner
<b>1st floor</b>	Books (Natural Science, Technology, Philosophy, History, Social Sciences, Literature, Industry), Counter, Electronic Resources, Browsing Corner, Information Corner, Stacks
<b>Basement</b>	Closed Stacks

## Opening hours

Semester Hours	Monday – Friday	8 : 45 – 21 : 45
	Sat. – Sun, Nat. Holidays	8 : 45 – 16 : 45
Vacation Hours	Monday – Friday	8 : 45 – 16 : 45



## The collection

(as of March 31, 2015)

Print	Japanese	Foreign	Total
Books	262,339	212,246	474,585
Journals	2,331	3,162	5,493
Electric Books	431	19,606	20,037
Electric Journals	538	12,133	12,671



## Library Use in 2015

Open Days	319 Days
Users	295,102 Persons
Book Lending	42,999 Volumes
Copying Documents	1,377 Cases

## NITech Repository Use

(as of March 31, 2015)

Items Archived	3,676
Item Views	245,434
Item Downloads	990,686

## NITech Repository system (<http://repo.lib.nitech.ac.jp>)

You can search and read the scholarly literature (doctral dissertation, academic papers etc.) produced at the Nagoya Institute of Technology using the NITech Repository System.

# International Academic Exchange Agreements Concluded

Number of University Partnerships	55
Number of Department Partnerships	16
Number of Countries & Regions	27

- ☆ About Student Exchange Indicators:
- exchange of students WITH tuition waiver program
  - exchange of students WITHOUT tuition waiver program

(as of May 1, 2015)

Countries & Regions	Partners	Department Partners	Date Concluded	Program				
				☆ Student Exchange	Faculty Exchange	Joint Research	Sharing Sci. Material	
Asia	Afghanistan	Kabul University		2005.11.22	○	○	○	○
	Bangladesh	Bangladesh University of Engineering & Technology		1999. 8.31	○	○	○	○
	China	Shaanxi University of Science & Technology		1990. 9. 6	○	○	○	○
		Tsinghua University		1994.10.10	●	○	○	○
		Xi'an Jiaotong University		1996.11.18	●	○	○	○
		Zhejiang University		1997. 2.28	○	○	○	○
		Beijing Institute of Technology		1997.10.13	○	○	○	○
		Beijing University of Chemical Technology		2005. 2.23	●	○	○	○
		The Institute of Carbon Fibers and Composites, Beijing University of Chemical Technology (Advanced Ceramics Research Center)	○	2007.11.21		○	○	○
		Tongji University		2006. 6. 6	●	○	○	○
		Institute of Semiconductors, Chinese Academy of Sciences		2007. 5.18		○	○	○
		Guangzhou Institute of Energy Conversion, Chinese Academy of Sciences (GIEC, CAS) (Institute of Ceramics Research and Education)	○	2010.11.19		○	○	○
		Fudan University		2007.12.30		○	○	○
		Sun Yat-sen University		2008. 5. 9		○	○	○
		Sichuan Academy of Social Sciences		2008.11. 5		○	○	○
		College of Materials, Xiamen University (Dept. of Frontier Materials, Graduate School of Engineering)	○	2009. 1.29		○	○	○
		Dalian Neusoft University of Information		2010. 4.12		●	○	○
	Changchun University (Library)	○	1995. 1.17			○	○	
	Jilin University (Library)	○	1995. 1.16			○	○	
	India	Anna University		1996. 9. 5	●	○	○	○
		Indian Institute of Technology, Bombay		2002. 6.19	●	○	○	○
		Central Glass and Ceramic Research Institute		2005. 6. 2		○	○	○
		University of Delhi		2007. 6.29	●	○	○	○
		National Institute of Technology, Tiruchirapalli		2009. 2.24	●	○	○	○
		Institute of Minerals and Materials Technology, Council of Scientific & Industrial Research (Advanced Ceramics Research Center)	○	2013. 8.11			○	○
		Centre for Photonics and Nanotechnology, Sona College of Technology (Dept. of Frontier Materials, Graduate School of Engineering)	○	2014. 3. 5		○	○	○
	Indonesia	Udayana University		2003.10.14	●	○	○	○
	Republic of Korea	Hanyang University		2003. 3.10	●	○	○	○
		School of Electrical Engineering and Computer Science, Seoul National University (Dept. of Computer Science and Engineering, Graduate School of Engineering)	○	2005. 9.20			○	○
		Myongji University		2010. 9.30	●	○	○	○
Malaysia	Universiti Teknologi MARA		2005. 7. 8	●	○	○	○	
	Universiti Teknologi Malaysia		2006. 6.29	●	○	○	○	
	Microelectronic and Nanotechnology-Shamsuddin Research Centre (MiNT-SRC), Universiti Tun Hussein Onn Malaysia (Dept. of Engineering Physics, Electronics and Mechanics, Graduate School of Engineering and Dept. of Frontier Materials, Graduate School of Engineering)	○	2012. 8.16		○	○	○	
Sultanate of Oman	Sultan Qaboos University		2003. 3. 5	●	○	○	○	
Thailand	Thammasat University		2004. 3.11	●	○	○	○	
	Thai-Nichi Institute of Technology		2007.10.30	●	○	○	○	
	Chulalongkorn University		2008.11.14	●	○	○	○	
Taiwan	National Taipei University of Technology		2005. 8.16	●	○	○	○	
Turkey	Graduate School of Science & Engineering, Dumlupinar University (Dept. of Frontier Materials, Graduate School of Engineering)	○	2013. 7. 9		○	○	○	
Vietnam	Institute of Materials Science, Vietnamese Academy of Science and Technology		2008. 2.21	●	○	○	○	
	Hanoi University of Science and Technology		2008. 9.18	●	○	○	○	



Countries & Regions		Partners	Department Partners	Date Concluded	Program					
					☆ Student Exchange	Faculty Exchange	Joint Research	Sharing Sci. Material		
Oceania	Australia	University of Technology, Sydney		1997. 8. 8	●	○	○	○		
		Australian Institute for Bioengineering & Nanotechnology, The University of Queensland (Dept. of Material Science and Engineering, Graduate School of Engineering)	○	2013. 5.15	○	○	○			
Europe	Austria	Vienna University of Technology		2014. 8.26	●	○	○	○		
	Bulgaria	St. Cyril and St. Methodius University of Veliko Turnovo		2013. 9. 2	●	○	○	○		
	Finland	Aalto University		2003. 1.31	●	○	○	○		
	France		École Nationale Supérieure de Céramique Industrielle (ENSCI) & Université de Limoges		2003. 2.18	●	○	○	○	
			École Nationale Supérieure de Chimie de Lille		2003. 2.19	●	○	○	○	
			École Française d'Électronique et d'Informatique (EFREI)		2006.10. 3	●	○	○	○	
			École Spéciale des Travaux Publics, du Bâtiment et de L'Industrie (ESTP)		2009. 3.11	●	○	○	○	
			École d'ingénieurs généralistes (ESIGELEC)		2010. 3. 8	●	○	○	○	
	Germany		University of Poitiers		2010.10. 5	●	○	○	○	
			Faculty of Electrical Engineering and Information Technology, Chemnitz University of Technology (Dept. of Computer Science and Engineering, Graduate School of Engineering)	○	2006.10.23		○	○	○	
	Italy		Friedrich-Alexander University Erlangen-Nuremberg		2011. 3.11	●	○	○	○	
			The University of Milan		2004. 3.30	○	○	○	○	
			Department of Engineering & Management, University of Padua (Dept. of Computer Science and Engineering, Graduate School of Engineering)	○	2011. 1.17	○	○	○	○	
			Faculty of Computing Science and Management, Poznan University of Technology (Dept. of Computer Science and Engineering, Graduate School of Engineering)	○	2006.12.29		○	○	○	
			Romania	"Alexandru Ioan Cuza" University of Iasi		1999. 8.10	○	○	○	○
			Russia	Mendeleyev University of Chemical Technology of Russia		1991. 5.16	○	○	○	○
	Spain		The University of Alcalá		2015. 1.28	●	○	○	○	
Universidad Politécnica de València				2000.11.14	●	○	○	○		
Sweden		Luleå University of Technology		2013.10.14	●	○	○	○		
United Kingdom		Imperial College London		1991. 6. 3	○	○	○	○		
		The University of Leeds		1991. 6. 4	○	○	○	○		
		The Institute of Particle Science and Engineering, The University of Leeds (Advanced Ceramics Research Center)	○	2007.11. 6		○	○	○		
		The University of Sheffield		2005. 7. 8		○	○	○		
North America	U.S.A	University of Arkansas – Fort Smith		2007. 5.16	○	○	○	○		
		Clemson University		2008. 2. 7	○	○	○	○		
		University of Florida		2010. 7.28	○	○	○	○		
South America	Brazil	Graduate Program in Electrical and Computer Engineering, Federal University of Technology Parana (Global Symbiotic Information Research Center)	○	2014. 8.19		○	○	○		
		University of Brasilia		1999. 1. 7	●	○	○	○		

## Number of International Students

(as of May 1, 2015)

Classification Countries & Regions	Graduate School				Undergraduate		Research Students		Total		
	Master's Courses		Doctor's Courses		Govt. Supported	Self Supported	Govt. Supported	Self Supported	Govt. Supported	Self Supported	Total
	Govt. Supported	Self Supported	Govt. Supported	Self Supported							
Afghanistan	4		5						9	0	9
Bangladesh		1	3						3	1	4
Brazil	1		1		2			1	3	2	5
China		43	4	23		31		36	4	133	137
China (Taiwan)								4	0	4	4
Egypt								2	0	2	2
Ethiopia				1					0	1	1
Finland								1	0	1	1
France				1				1	0	2	2
Germany				1					0	1	1
Guinea							1		1	0	1
India	4	4	2	3					6	7	13
Indonesia			1	2	1				2	2	4
Republic of Korea		3		1	15	16		2	15	22	37
Madagascar							1		1	0	1
Malaysia	1			4		16		2	1	22	23
Mali								1	0	1	1
Mongolia			1			1			1	1	2
Myanmar			1						1	0	1
Nepal				1					0	1	1
Pakistan				1				1	0	2	2
Philippines								1	0	1	1
Spain	1							1	1	1	2
Sri Lanka						1			0	1	1
Thailand				1					0	1	1
Uganda					1				1	0	1
Vietnam	2	6		2		19			2	27	29
<b>Total</b>	12	58	18	41	19	84	2	53	51	236	287
	70		59		103		55		287		

Note: Govt. Supported ; Japanese Government Scholarship Students  
Self Supported ; Foreign Government Sponsored Students and Privately Financed Students

## Programs for International Students

### International Graduate Program for Manufacturing Engineering

NITech has launched a master's course program in manufacturing technology. The program is designed for overseas students who want to develop a career in the Japanese manufacturing industry. Several manufacturing companies in the region collaborate with the program, and some offer students internship opportunities. Graduates of this program are recommended to seek employment with such companies.

- Target level: Postgraduate (Master's degree)
- Year of Implementation: From FY 2007
- Main scholarships: MEXT scholarships, NITech scholarships, etc.

### Double Degree Program linked to Doctoral Program

This program enables students from partner universities in China to obtain a full degree from our Institute in addition to their degree from the home university under the supervision of a research advisor linked to both institutions. The student can then go on to obtain a doctorate degree from one of the two universities.

- Target level: Postgraduate (Master's or PhD degree)
- Year of implementation: From FY 2007
- Partner institutions: Tongji University (China),  
Beijing University of Chemical Technology (China)
- Main scholarships : NITech scholarships, etc.

### Hanoi Twinning Program

This program is offered in partnership with Hanoi University of Science and Technology in Vietnam. For the first part of their undergraduate studies, students spend two-and-a-half years in Vietnam taking Japanese language classes and classes in their specialized fields in their native tongue. For the latter half of the program, students are educated in their specialized fields at NITech.

- Objective: To train engineers to be future leaders in the manufacturing industry
- Target level: Undergraduate
- Year of implementation: From FY 2007
- Partner institution: Hanoi University of Science and Technology (Vietnam)
- Main scholarships: Exemption of tuition, etc.



## Faculty of Engineering

	Departments	Programs
Day Courses	Life and Materials Engineering	Molecular Chemistry    Biological Chemistry    Biomaterials
	Environmental and Materials Engineering	Ceramics    Materials Function
	Mechanical Engineering	Fine Measurement    Mechanical System    Energy System
	Electrical and Electronic Engineering	Electronics    Energy Design    Communications
	Computer Science	Computer Network    Artificial Intelligence    Multimedia and HCI
	Architecture and Design	Architecture    Design
	Civil Engineering and Systems Management	Civil and Environmental Engineering Systems Management and Engineering
Evening Courses	Materials Engineering Mechanical Engineering Electrical and Computer Engineering Civil and Environmental Engineering	

## Graduate School of Engineering

Departments	Fields
Materials Science and Engineering	Organic Materials    Inorganic Materials    Chemical Process Materials Function and Design    Life Function
Engineering Physics, Electronics and Mechanics	Electronics    Fine Measurements    Mechanics    Energy
Computer Science and Engineering	Mathematics and Mathematical Science    Computational Intelligence Computing and Communications    Systems and Control Multimedia and Human Computer Interaction
Architecture, Civil Engineering and Industrial Management Engineering	Human Space    Civil Engineering Environmental Engineering and Disaster Prevention    Management Engineering
Techno-Business Administration	Technology and Industry Management    Core Technologies
Frontier Materials	Environmental Ceramic Materials    Advanced Energy Materials Molecular Life Science and Nanotechnology
Scientific and Engineering Simulation	Computational Applied Sciences    Computer Science and System Engineering Simulation in Civil Engineering and Architectural Systems
Nanopharmaceutical Sciences	Advanced Medicinal Chemistry



## Faculty of Engineering (Day Courses)

(as of May 1, 2015)

Departments	Enrollment		Current Enrollment														
	Annual	Total	1st Year			2nd Year			3rd Year			4th Year			Total		
			Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Life and Materials Engineering	154	620	115 (1)	52 (2)	167 (3)	112 (5)	54 (0)	166 (5)	115 (0)	49 (2)	164 (2)	137 (0)	54 (0)	191 (0)	479 (6)	209 (4)	688 (10)
Environmental and Materials Engineering	94	380	88 (0)	13 (0)	101 (0)	92 (1)	9 (1)	101 (2)	83 (1)	15 (3)	98 (4)	98 (3)	9 (0)	107 (3)	361 (5)	46 (4)	407 (9)
Mechanical Engineering	184	740	176 (4)	22 (1)	198 (5)	164 (6)	24 (0)	188 (6)	177 (6)	20 (1)	197 (7)	234 (17)	24 (2)	258 (19)	751 (33)	90 (4)	841 (37)
Electrical and Electronic Engineering	139	560	138 (3)	10 (1)	148 (4)	136 (4)	9 (2)	145 (6)	144 (3)	4 (0)	148 (3)	187 (7)	8 (0)	195 (7)	605 (17)	31 (3)	636 (20)
Computer Science	164	660	150 (2)	18 (3)	168 (5)	156 (1)	8 (0)	164 (1)	154 (3)	14 (0)	168 (3)	205 (2)	21 (0)	226 (2)	665 (8)	61 (3)	726 (11)
Architecture and Design	80	320	55 (0)	26 (3)	81 (3)	56 (3)	28 (1)	84 (4)	51 (0)	32 (0)	83 (0)	65 (3)	29 (0)	94 (3)	227 (6)	115 (4)	342 (10)
Civil Engineering and Systems Management	90	360	82 (1)	13 (0)	95 (1)	78 (1)	11 (0)	89 (1)	81 (0)	16 (0)	97 (0)	103 (2)	13 (2)	116 (4)	344 (4)	53 (2)	397 (6)
Engineering Interdisciplinary Program	5		1 (0)	2 (0)	3 (0)	1 (0)	3 (0)	4 (0)	1 (0)	1 (0)	2 (0)	4 (0)	1 (0)	5 (0)	7 (0)	7 (0)	14 (0)
<b>Total</b>	910 [10]	3,640 [20]	805 (11)	156 (10)	961 (21)	795 (21)	146 (4)	941 (25)	806 (13)	151 (6)	957 (19)	1,033 (34)	159 (4)	1,192 (38)	3,439 (79)	612 (24)	4,051 (103)

Note: ( ) indicates international students.

[ ] indicates students incorporated into 3rd Year.

## Faculty of Engineering (Evening Courses)

(as of May 1, 2015)

Departments	Enrollment		Current Enrollment																	
	Annual	Total	1st Year			2nd Year			3rd Year			4th Year			5th Year			Total		
			Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Materials Engineering	5	25	5	1	6	4	1	5	4	1	5	4	1	5	7	1	8	24	5	29
Mechanical Engineering	5	25	5		5	5		5	5	1	6	5	1	6	11		11	31	2	33
Electrical and Computer Engineering	5	25	7		7	5	1	6	5	1	6	5		5	10		10	32	2	34
Civil and Environmental Engineering	5	25	5	2	7	4	1	5	5		5	7		7	10		10	31	3	34
<b>Total</b>	20	100	22	3	25	18	3	21	19	3	22	21	2	23	38	1	39	118	12	130

## Graduate School of Engineering (Master's Courses)

(as of May 1, 2015)

Departments	Enrollment		Current Enrollment										
	Annual	Total	1st Year			2nd Year			Total				
			Male	Female	Total	Male	Female	Total	Male	Female	Total		
Materials Science and Engineering	100	200	94 (3)	22 (2)	116 (5)	100 (1)	13 (0)	113 (1)	194 (4)	35 (2)	229 (6)		
Engineering Physics, Electronics and Mechanics	100	200	114 (7)	3 (0)	117 (7)	115 (6)	6 (1)	121 (7)	229 (13)	9 (1)	238 (14)		
Computer Science and Engineering	120	240	126 (2)	10 (2)	136 (4)	135 (2)	7 (2)	142 (4)	261 (4)	17 (4)	278 (8)		
Architecture, Civil Engineering and Industrial Management Engineering	75	150	62 (2)	13 (4)	75 (6)	56 (4)	22 (5)	78 (9)	118 (6)	35 (9)	153 (15)		
Techno-Business Administration	33[16]	50[16]	37 (1)	2 (1)	39 (2)	23 (2)	4 (0)	27 (2)	60 (3)	6 (1)	66 (4)		
Frontier Materials	78	156	71 (3)	12 (2)	83 (5)	73 (1)	7 (2)	80 (3)	144 (4)	19 (4)	163 (8)		
Scientific and Engineering Simulation	80	160	82 (3)	8 (1)	90 (4)	81 (8)	9 (3)	90 (11)	163 (11)	17 (4)	180 (15)		
<b>Total</b>	<b>586 [16]</b>	<b>1,156 [16]</b>	<b>586 (21)</b>	<b>70 (12)</b>	<b>656 (33)</b>	<b>583 (24)</b>	<b>68 (13)</b>	<b>651 (37)</b>	<b>1,169 (45)</b>	<b>138 (25)</b>	<b>1,307 (70)</b>		

Note: ( ) indicates international students.

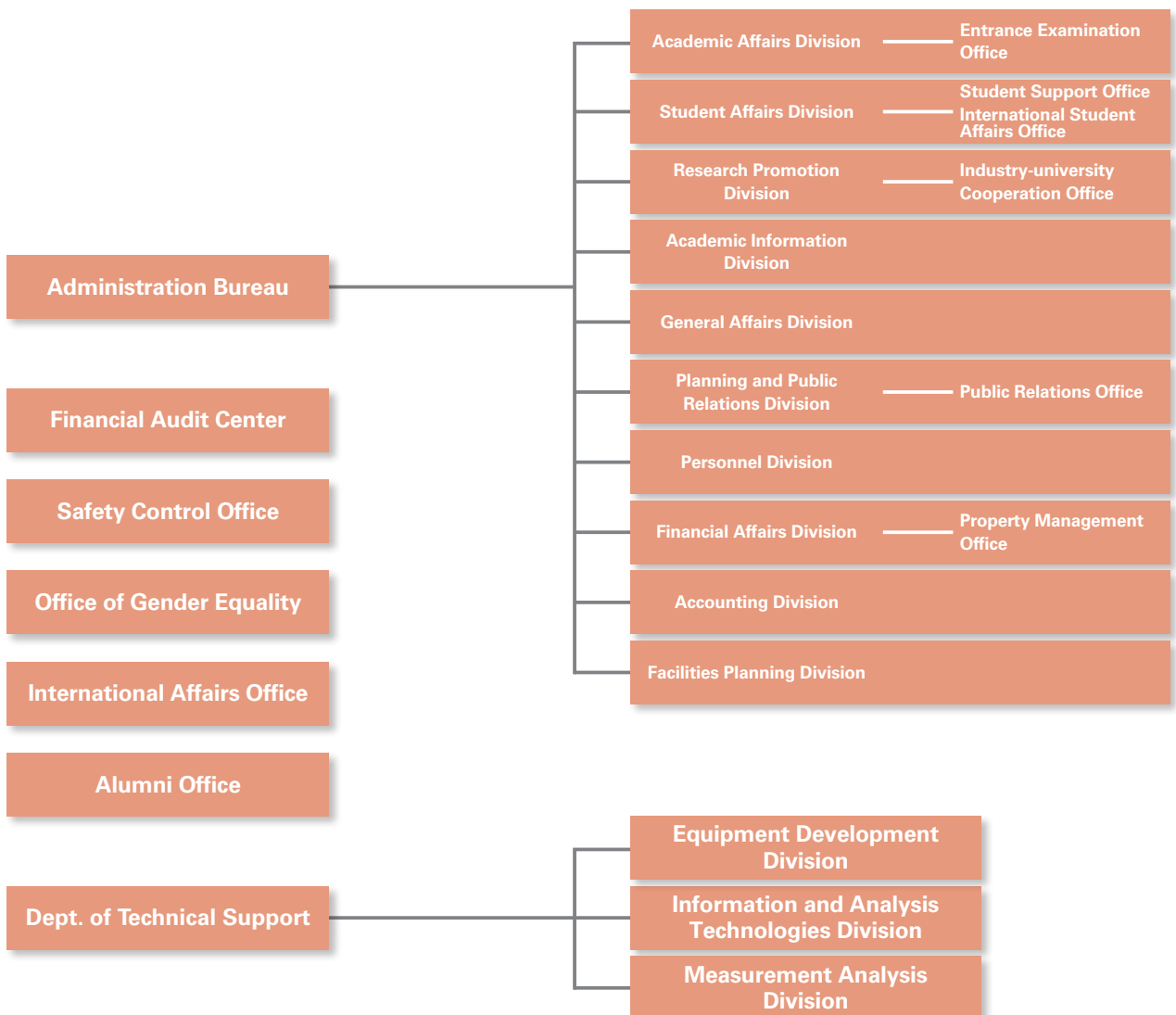
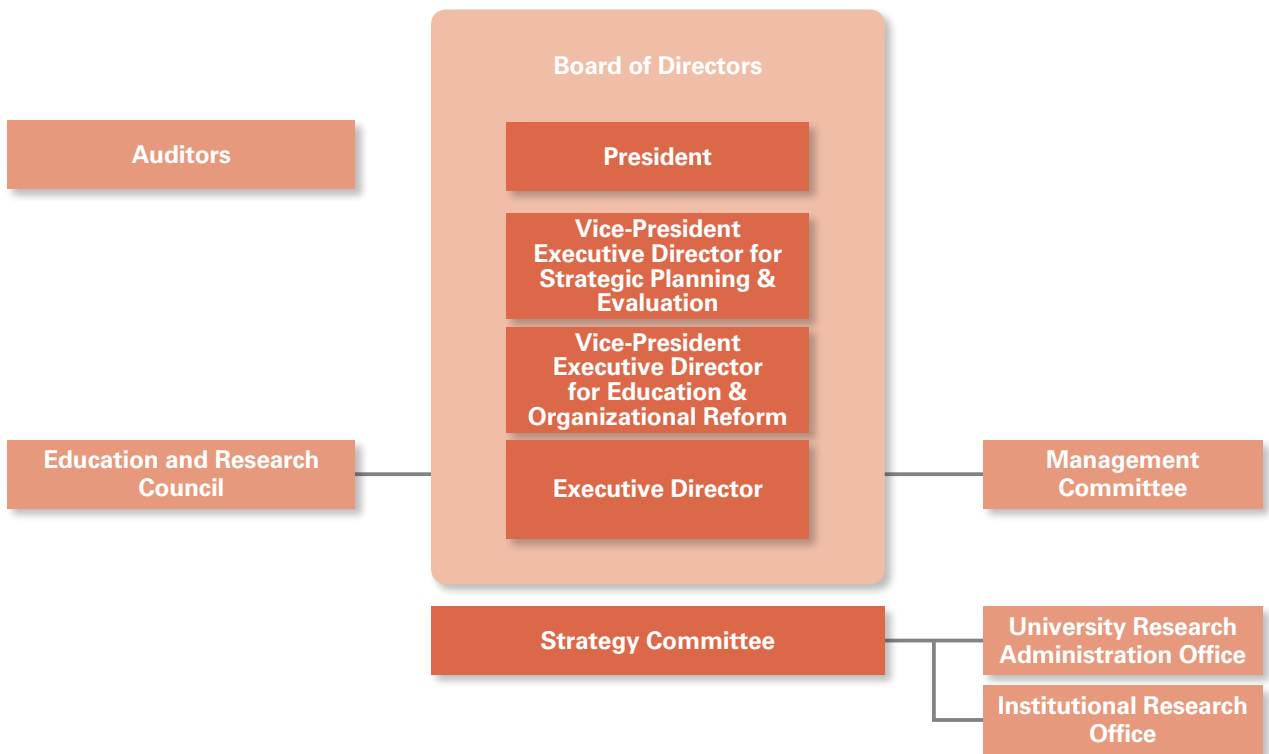
[ ] indicates the short-term special course students.

## Graduate School of Engineering (Doctor's Courses)

(as of May 1, 2015)

Departments	Enrollment		Current Enrollment											
	Annual	Total	1st Year			2nd Year			3rd Year			Total		
			Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Materials Science and Engineering	5	15	4 (0)		4 (0)	3 (2)		3 (2)	3 (1)	1 (1)	4 (2)	10 (3)	1 (1)	11 (4)
Engineering Physics, Electronics and Mechanics	5	15	8 (1)		8 (1)	5 (3)		5 (3)	9 (1)	1 (0)	10 (1)	22 (5)	1 (0)	23 (5)
Computer Science and Engineering	5	15	8 (1)	3 (2)	11 (3)	9 (2)		9 (2)	18 (4)	2 (2)	20 (6)	35 (7)	5 (4)	40 (11)
Architecture, Civil Engineering and Industrial Management Engineering	4	12	5 (2)	4 (1)	9 (3)	12 (0)	2 (1)	14 (1)	18 (4)	5 (1)	23 (5)	35 (6)	11 (3)	46 (9)
Frontier Materials	12	36	2 (1)	2 (0)	4 (1)	8 (5)	1 (1)	9 (6)	15 (5)	4 (3)	19 (8)	25 (11)	7 (4)	32 (15)
Scientific and Engineering Simulation	8	24	4 (1)		4 (1)	5 (2)	2 (2)	7 (4)	18 (3)	2 (2)	20 (5)	27 (6)	4 (4)	31 (10)
Cooperative Major in Nanopharmaceutical Sciences	3	9	2 (2)	1 (1)	3 (3)	5 (0)		5 (0)	2 (1)	1 (1)	3 (2)	9 (3)	2 (2)	11 (5)
<b>Total</b>	<b>42</b>	<b>126</b>	<b>33 (8)</b>	<b>10 (4)</b>	<b>43 (12)</b>	<b>47 (14)</b>	<b>5 (4)</b>	<b>52 (18)</b>	<b>83 (19)</b>	<b>16 (10)</b>	<b>99 (29)</b>	<b>163 (41)</b>	<b>31 (18)</b>	<b>194 (59)</b>

Note: ( ) indicates international students.





## Directors

(as of May 1, 2015)

President			Executive			Auditor			Total		
Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
1		1	3		3	2		2	6	0	6

## Academic Staff (Full-time)

(as of May 1, 2015)

Age	Professor			Associate Professor			Assistant Professor			Total		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
~24										0	0	0
25~34				3	1	4	14	1	15	17	2	19
35~44	7		7	57	2	59	31	4	35	95	6	101
45~54	56	2	58	56	4	60	5		5	117	6	123
55~64	68	5	73	14		14	1		1	83	5	88
65~	2		2							2	0	2
<b>Total</b>	133	7	140	130	7	137	51	5	56	314	19	333

## Staff (Full-time)

(as of May 1, 2015)

Administrative Staff			Technical Staff			Medical Staff			Total		
Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
72	49	121	39	15	54		1	1	111	65	176

※ Exclude fixed-term or re-employment contract holder

## Foreign Academic and Administrative Staff

(as of May 1, 2015)

Countries	Professors	Associate Professors	Assistant Professors	Administrative Staff	Technical Staff	Medical Staff	Total
Brazil			1				1
China	2		1				3
Ireland		1					1
Nepal		1					1
Republic of Korea	1	1	1				3
Thailand			1				1
United States		2					2
<b>Total</b>	3	5	4	0	0	0	12

(as of May 1, 2015)

Facilities		Building	Area	Address
		m <sup>2</sup>	m <sup>2</sup>	
Gokiso Campus	Engineering Department and General Education School Buildings	105,361	138,664	Gokiso-cho, Showa-ku, Nagoya 466-8555
	Administration Office	3,299		
	Library	5,577		
	EDUCATIONAL RESEARCH CENTER	187		
	Research and Education Center for Next Generation Vehicle	(97)		
	Advanced Disaster Prevention Engineering Center	(24)		
	Center for Research on Assistive Technology for Building a New Community	(66)		
	Center for Social Contribution and Collaboration	1,506		
	Education Center for International Students	313		
	Information Technology Center	1,504		
	Instrument and Research Technology Center	2,308		
	Center of Gender Equality	154		
	Quality Innovation Techno-Center	1,028		
	Research Center for Nano Devices and Advanced Materials	508		
	Innovation Center for Multi-Business of Nitride Semiconductors	2,350		
	Health Support Center	509		
	Auditorium	1,551		
	Gymnasiums	2,479		
	Bld No.55 : Facilities for Extracurricular Activities	1,729		
	Bld No.57 : Facilities for Extracurricular Activities	485		
	The University Hall	4,478		
NITech International House	2,155			
NIT Club (Guest House)	264			
<i>Kouyukaikan</i>	589			
NITech Mart	303			
Others	2,489			
<b>Total</b>	141,126	138,664		
Chikusa Campus	Chikusa Athletic Field	412	34,439	2-512-1, Kitachikusa, Chikusa-ku, Nagoya 464-0083
	Student Dormitories (Kowa-ryo)	2,933	7,336	
	<b>Total</b>	3,345	41,775	
Advanced Ceramics Research Center	2,754	20,943	10-6-29, Asahigaoka, Tajimi 507-0071	
TAJIMI <i>EKIMAE</i> area	[1,195]	/	3-101-1 Hon-machi, Tajimi, 507-0033	
Advanced Ceramics Research Center	(843)			
Open Laboratory and others	(352)			
Gamagori Yacht-House	170	[200]	1-4-1, Kaiyou-cho, Gamagori, 443-0014	
Shonai-kawa Boat-House	376	635	358-3, Nishinagare, Daitoro-cho, Nakagawa-ku, Nagoya 454-0944	
Shidami Extracurricular-Activity Facilities	246	[87] 7,683	2678, Minamihara, Nakashidami, Moriyama-ku, Nagoya 463-0002	
Kisokomakogen Seminar House	378	[4,628]	129-10, Mizusawa, Shinkai, Kisomachi, Kiso-gun, Nagano 397-0002	
Previous Hazama House	2,669	2,981	27, Hazama-cho, Showa-ku, Nagoya 466-0062	
<b>Total</b>	[1,195] 152,259	[4,915] 212,681		

 [ ] : on lease  
 ( ) : itemized

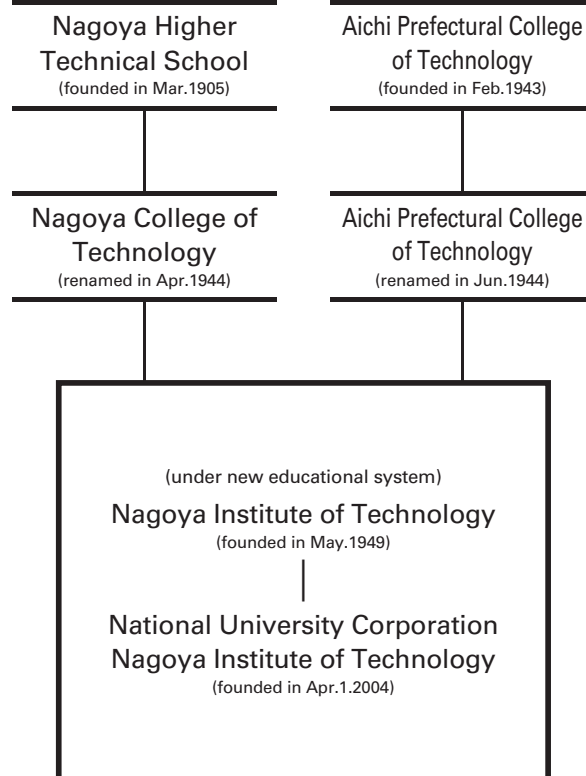
**ACADEMIC YEAR 2015**

**(April 1, 2015 ~ March 31, 2016)**

<b>1st Semester</b>	April 1 ~ September 30
<b>Entrance Ceremony</b>	April 6
<b>2nd Semester</b>	October 1 ~ March 31
<b>Commencement</b>	March 23

**HOLIDAYS AND VACATIONS**

<b>Saturdays and Sundays</b>	
<b>National Holidays</b>	15 days
<b>Nagoya Institute of Technology Anniversary</b>	November 1
<b>Summer Vacation</b>	August 4 ~ September 30
<b>Winter Vacation</b>	December 24 ~ January 6



**Revenues**

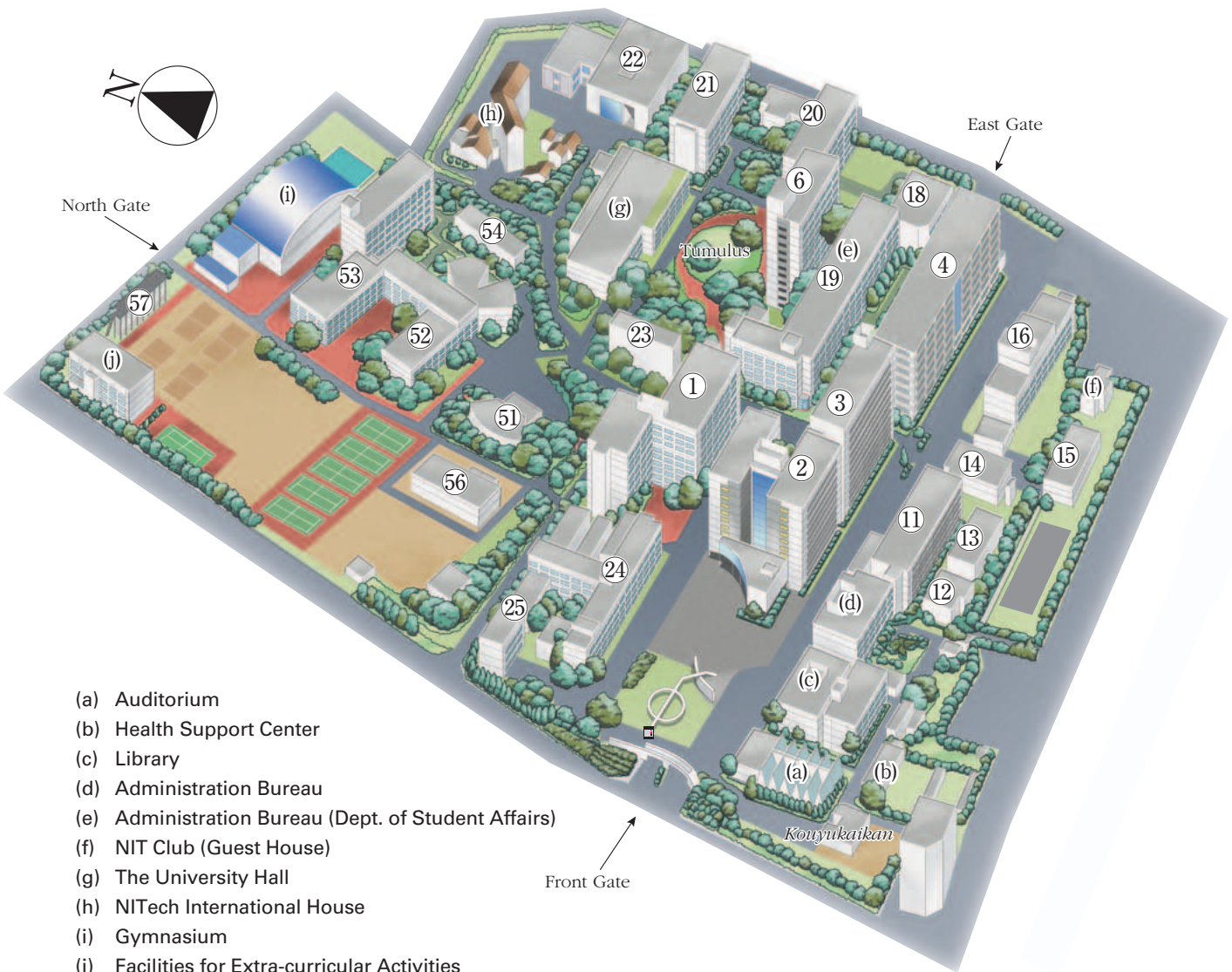
unit: million yen

Item	Amount (JPY)
Grants from the government	4,570
Tuition fees and others	3,505
Costs for Grants and Cooperative Research, etc.	1,964
Grants for facilities maintenance and others	1,454
carry-over from the previous year	436
<b>Total</b>	<b>11,929</b>

**Expenditures**

Item	Amount (JPY)
Personnel	5,675
Education, Research and operating cost	2,407
Costs for Grants and Cooperative Research etc.	2,006
Facilities maintenance	1,454
Carry-over to the next year	387
<b>Total</b>	<b>11,929</b>





- (a) Auditorium
- (b) Health Support Center
- (c) Library
- (d) Administration Bureau
- (e) Administration Bureau (Dept. of Student Affairs)
- (f) NIT Club (Guest House)
- (g) The University Hall
- (h) NITech International House
- (i) Gymnasium
- (j) Facilities for Extra-curricular Activities

※ The number from ① to ⑤⑦ shows the number of building.

## The University Hall

The University Hall includes a banquet room, cafeteria, barbershop, travel counter, and coopshop (selling books, stationery, electronics, appliances, general merchandise, etc.). There are also meeting rooms for the use of students.

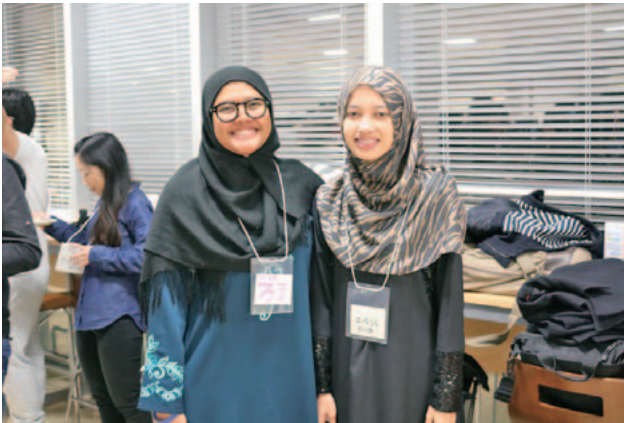
## NITech Mart

NITech Mart includes a convenience store 「Hajiko」 at the first floor, and Lounge Café at the second floor. ATM machine is installed in 「Hajiko」. Lounge Café can be used for dining area and also communication space.



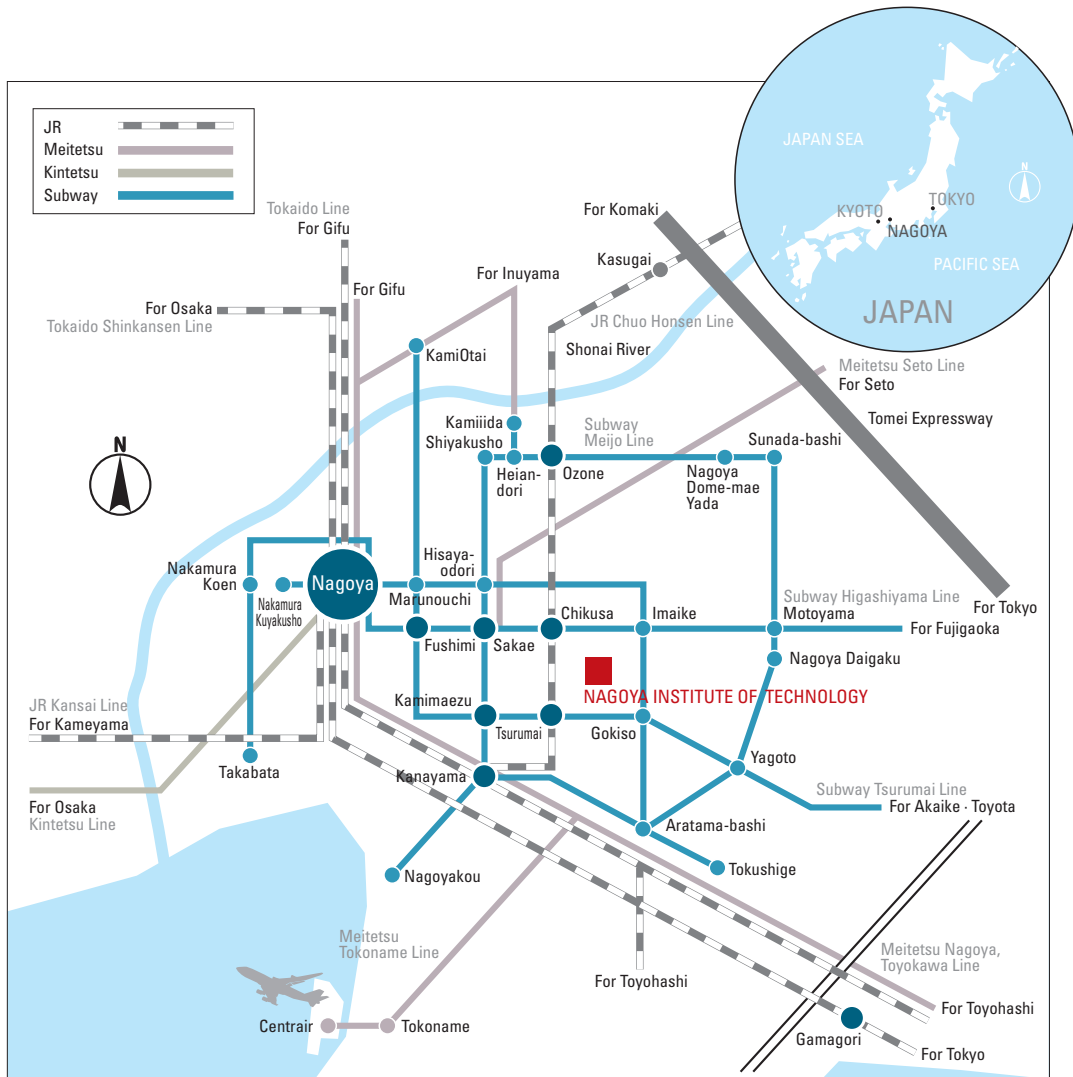
## Outside the campus

Kisokomakogen Seminar House in Nagano Prefecture is for extracurricular activities, research and training and social events for students and employees of NITech.



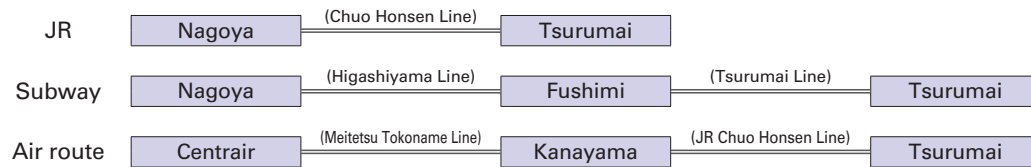
Nagoya Castle was constructed on the orders of Iyasu TOKUGAWA in order to secure an important position on the Tokaido road and to ward off attacks from the direction of Osaka. Construction was completed in 1612, and the castle is typical of those built on flatlands. Until the Meiji Restoration, Nagoya Castle flourished as the castle in which the Owari lineage of the Tokugawa family, the foremost of the family's three lineages, resided.

Nagoya Castle Official Website



Walking distance to the city center

Means of Transportation



“Nagoya”

- Located at the center of Japan
- 3rd largest city after Tokyo and Osaka
- Center of manufacturing industries (automobiles, aerospace, household electric appliances, machine tools)





National University Corporation

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TEL +81-(0)52-735-5000

URL <http://www.nitech.ac.jp>

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