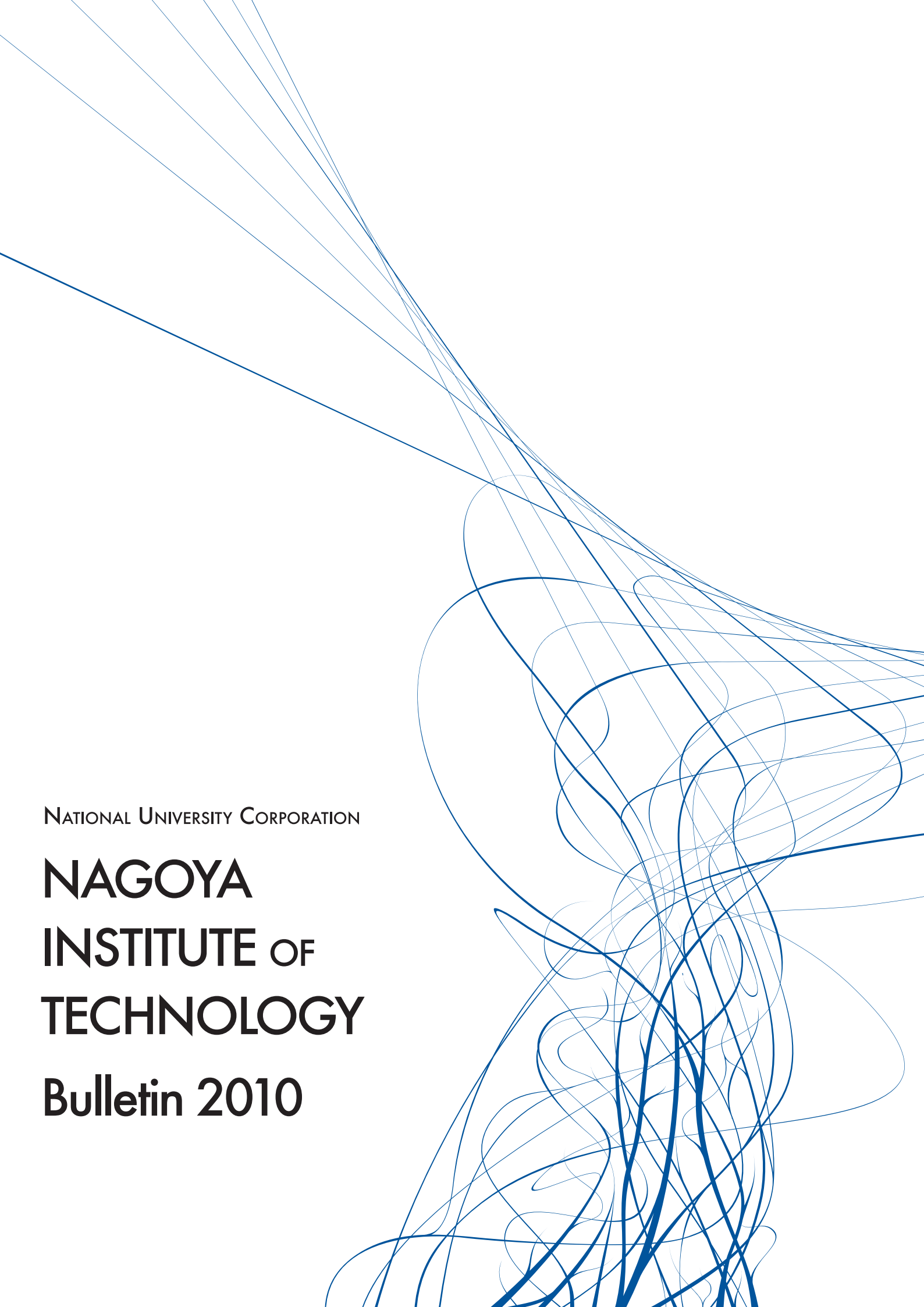
National University Corporation

NAGOYA INSTITUTE OF TECHNOLOGY

Bulletin 2010



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HISTORY

Nagoya Higher Technical School
(founded Mar.1905)

Nagoya College of Technology
(renamed Apr.1944)

Aichi Prefectural College of Technology
(founded Feb.1943)

Aichi Prefectural College of Technology
(renamed Jun.1944)

(under new educational system)
Nagoya Institute of Technology
(founded May.1949)

National University Corporation
Nagoya Institute of Technology
(founded Apr.1.2004)

ACADEMIC CALENDAR

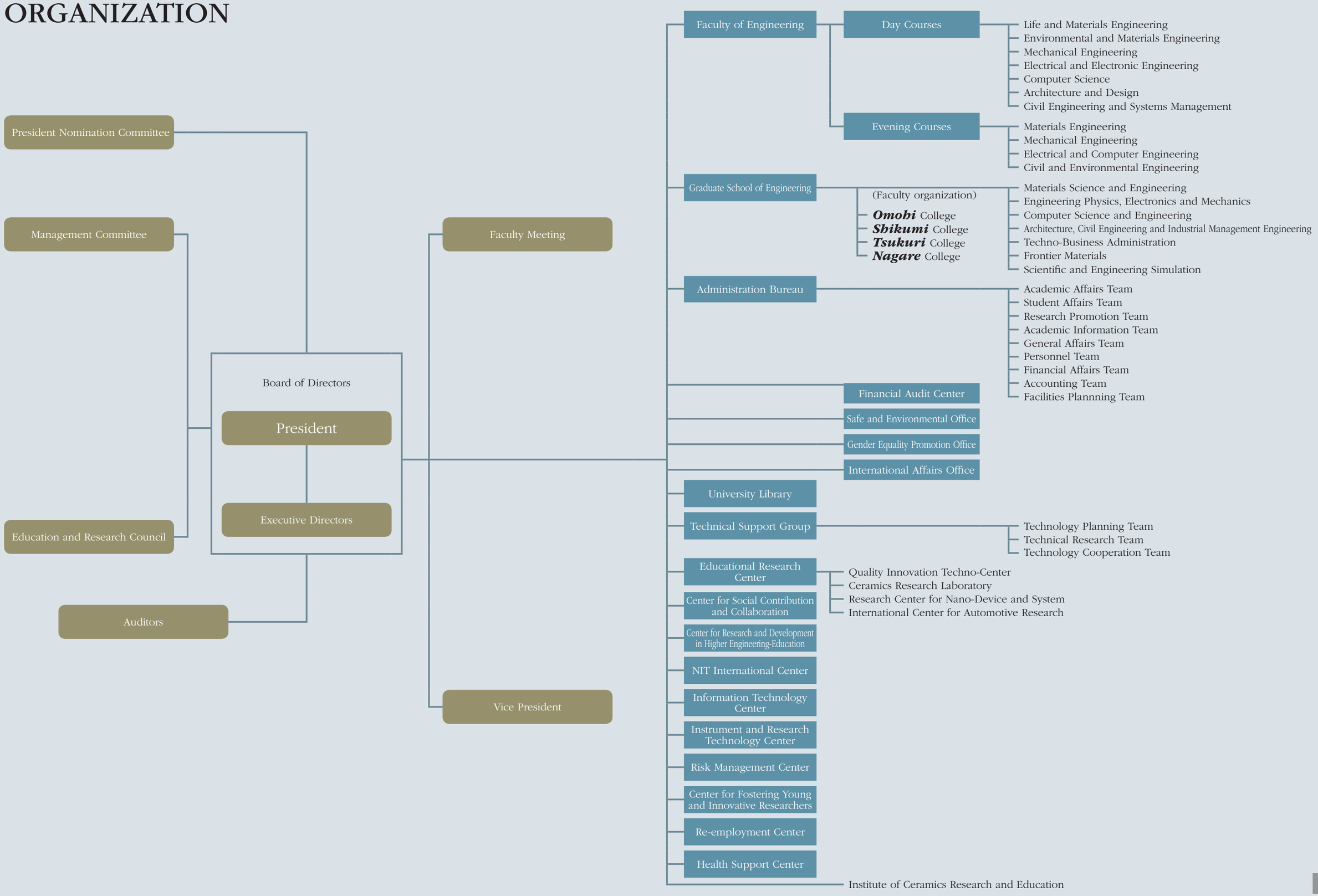
ACADEMIC YEAR 2010 (April 1, 2010 ~ March 31, 2011)

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

HOLIDAYS AND VACATIONS

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

ORGANIZATION



ADMINISTRATIVE OFFICERS


President TAKAHASHI

President	TAKAHASHI Minoru
Executive Vice-President	UMEHARA Hidetaka
Executive Vice-President	KINOSHITA Takatoshi
Executive Director	MAEDA Chihiro
Auditor	ONODA Chikai
Auditor	HORI Tatsuyuki
Vice-President	UKAI Hiroyuki
Vice-President	NAKAMURA Takashi
Vice-President	MASUDA Hideki
Vice-President	KITAMURA Tadashi
Director, University Library	SUGIYAMA Masaru

NUMBER OF STAFF MEMBERS

(as of May 1, 2010)

	President Member of the Board	Professors	Associate Professors	Assistant Professors	Total	Other Staff	Grand Total
President	1						1
Executive	3						3
Auditor	2						2
Staff		136	147	71	354	190	544
Total	6	136	147	71	354	190	550

DEPARTMENTS

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	Mechanical System Energy System Applied Physics
	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 (Doctor's Courses)

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 Technology
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

Outline of Faculty of Engineering (Day Course)

Department of Life and Materials Engineering

This department is concerned with diversity of materials and their reactions by 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 with educational grounds and advanced researches on syntheses, structural characterization, reactions, and functions of diversity of materials including natural products and organic and inorganic materials.

(2) Biological Chemistry Program

This program provides with educational grounds and advanced researches on the structure-function relations of 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 with educational grounds and advanced researches on the functions and the mechanisms for material production in the living system 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, peoples are becoming more and more concerned with environmental issues such as “re-cycling” as well as “being environmentally clean”. Today, the means to solve a lot of environmental problems are closely related to technology, including materials science and engineering. Our department has been established for the purpose of the education of materials science in harmony with global environment, and also 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 in atomic scale to innovative processing techniques that are suitable for mass production.

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

Department of Mechanical Engineering

The Department of Mechanical Engineering offers a wide-ranging curriculum in the field 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) Applied Physics 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 under some limitations. More than sixty percent of all undergraduate students proceed to the 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. Each Program provides students with 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 also to provide laboratory experience in electrical and electronic circuits, control systems, electron devices, material physics, electromagnetics, communications, signal processing, and so forth. The education program is accredited by Japan Accreditation Board for Engineering Education (JABEE).

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: Computer Network, Artificial Intelligence, and Multimedia & Human Computer Interaction (HCI).

Each program consists of professional subjects in the forms of lecture classes, training exercises and experiments. Before going on to the professional subjects, students learn 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 further education and research at the 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 one hundred 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 the both programs is to educate engineers who are able to solve various kinds of social problems.

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 structure, concrete material and structure, disaster prevention of river shore, conservation of ecology, which includes planning, designing, construction maintenance and operation technologies of social infrastructures. It also aims to educate student to be an engineer who can make contribution to the formation of more environmental harmonic urban area with strong resistance against natural disasters. The graduates from the program can find jobs in wide ranges including national and provincial governments, railway companies, general construction companies, etc.

Systems Management Engineering Program provides the education to solve management problems and have management technologies. Based on methodologies for resources (staff, equipment, money, information and time, etc.), quality and technology management, our students have been promised to active in various social and industrial sectors as a creative problem solver.

Outline of Graduate School of Engineering

Department of Materials Science and Engineering

In the 21st century, increasingly important is achieving a good balance between global environmental protection on the one hand, and on the other hand continuing advancement in technology and science for the better life. The Department of Materials Science and Engineering focuses on development of novel materials with the goal of increased functionality and both improved properties and characteristics. Our efforts span a wide range of chemical and physical fields including organic, inorganic, metallic, macromolecular, and bio-related. 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 and postgraduate students of the Department learn the essences of materials and their diverse applications 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 former three are linked to Department of Mechanical Engineering of the undergraduate school. Their education and research activities cover the whole fields of mechanical engineering, including measurements, analyses and simulations in physics. The last one is linked to Electronics Program of Department of Electrical and Electronic Engineering of the undergraduate school. Its education and research fields spread over device technology and material science in electronics. Postgraduate students in this department learn a broad area from the basic and applied physics to their application to 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, 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 get opportunities to get involved in state of the art research. The department also works closely with industry requirements to develop human resources who can contribute to all of society.

Department of Architecture, Civil Engineering and Industrial Management Engineering

The main objective of our department is to pursue the better space and infrastructures for human life and industries in view of architecture, civil engineering and industrial management. Our approach includes the wide varieties of methods such as policy making, planning, structural design, infrastructure maintenance, environmental engineering, construction materials, architecture, production management, logistics etc. The frontier of our working field is ever expanding. We also welcome the students with multi-disciplinary backgrounds.

Our department currently consists of the following 4 core divisions. “Human Space”, “Civil Engineering”, “Environmental Engineering and Disaster Prevention” and “Management”.

Department of Techno-Business Administration

This is the first master course of Management of Technology (MOT) in Japan established in 2003, and has been providing students with a thorough understanding of the important issues : entrepreneur business, intellectual property, relation between market and technology, regional industrial policies, and academy-industry-government cooperation for research and development. The course is designed through the consultation with a wide variety of experts from academia and industry, and is suitable for any scientists, engineers or managers who may have the academic background in engineering or relevant practical experiences of working in industry. The one-year master program is for those in employment who wish to advance their career, and the two-year program is for new graduates who hope to develop their skills with the spirit of Technology Management.

Department of Frontier Materials

A new paradigm in the 21st Century is settled to answer to the energy and resources problems, environmental issues and medical issues. Our Department specifically focuses on the development of environment-friendly, high-performance frontier materials in the wide range of chemical and physical fields relating to chemical conversion, energy conversion, nanotechnology, and life science. The graduate students have research training for advanced theories and technologies in one specialized field selected 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 high performance computers, to develop consolidated system embodying physical and semantic contents of information, to apply 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 are to learn theoretical backgrounds, to acquire software skills and to work closely with staff members from different fields of the Department.

NUMBER OF STUDENTS

Faculty of Engineering (Day Courses)

(as of May 1, 2010)

Departments	Capacity		Present Numbers									
	Annual	Total	Freshmen		Sophomores		Juniors		Seniors		Total	
Life and Materials Engineering	155	620	(1)	156	(3)	153	(3)	164	(1)	177	(8)	650
Environmental and Materials Engineering	95	380	(2)	102	(2)	94	(3)	106	(5)	120	(12)	422
Mechanical Engineering	185	740	(6)	196	(8)	191	(7)	204	(17)	264	(38)	855
Electrical and Electronic Engineering	140	560	(3)	141	(6)	149	(1)	138	(5)	177	(15)	605
Computer Science	165	660	(1)	168	(3)	165	(1)	164	(5)	210	(10)	707
Architecture and Design	80	320	(2)	81	(3)	81	(1)	84	(4)	103	(10)	349
Civil Engineering and Systems Management	90	360	(2)	90	(6)	100	(1)	100	(2)	108	(11)	398
Engineering Interdisciplinary Program				3		2		3		2		10
Applied Chemistry										1		1
Mechanical Engineering										1		1
Electrical and Computer Engineering										1		1
Intelligence and Computer Science										1		1
Architecture and Civil Engineering										4		4
Total	910 [10]	3,640 [20]	(17)	937	(31)	935	(17)	963	(39)	1,169	(104)	4,004

Note: Figures in ( ) designate numbers of International students included in the right figures.
Figures [ ] indicate numbers of students incorporated into 3rd Year, exclusive in the total.
Reorganized on Apr 1, 2004

Faculty of Engineering (Evening Courses)

(as of May 1, 2010)

Departments	Capacity		Present Numbers					
	Annual	Total	Freshmen	Sophomores	Juniors	Seniors	Fifth	Total
Materials Engineering	5	95	5	6	6	39	45	101
Mechanical Engineering	5	75	5	5	5	34	42	91
Electrical and Computer Engineering	5	95	5	6	6	39	66	122
Civil and Environmental Engineering	5	75	6	5	6	35	43	95
Applied Chemistry							3	3
Mechanical Engineering							5	5
Electrical and Computer Engineering							6	6
Architecture and Civil Engineering							6	6
Total	20	340	21	22	23	147	216	429

Note: Changed Department name on Apr 1, 2004

Graduate School of Engineering

(as of May 1, 2010)

Departments	Master's Courses				Doctor's Courses					Total
	Capacity		Present Numbers		Capacity		Present Numbers			
	Annual	Total	First	Second	Annual	Total	First	Second	Third	
Materials Science and Engineering	100	200	(5) 107	(7) 130	5	15	(3) 7	(0) 3	(4) 13	(19) 260
Engineering Physics, Electronics and Mechanics	100	200	(13) 122	(16) 157	5	15	(4) 6	(5) 10	(7) 16	(45) 311
Computer Science and Engineering	120	240	(10) 142	(9) 160	5	15	(9) 16	(6) 10	(4) 22	(38) 350
Architecture, Civil Engineering and Industrial Management Engineering	75	150	(8) 89	(11) 88	4	12	(3) 13	(6) 14	(8) 23	(36) 227
Techno-Business Administration	[16] 33	[16] 50	(8) 37	(7) 35						(15) 72
Frontier Materials	78	156	(6) 82	(4) 98	12	36	(5) 15	(7) 16	(5) 16	(27) 227
Scientific and Engineering Simulation	80	160	(10) 84	(10) 97	8	24	(4) 10	(5) 8	(1) 7	(30) 206
Environmental Technology and Urban Planning				(0) 1					(1) 17	(1) 18
Architecture and Civil Engineering									(0) 1	(0) 1
Total	[16] 586	[16] 1,156	(60) 663	(64) 766	39	117	(28) 67	(29) 61	(30) 115	(211) 1,672

Note: Figures in ( ) designate numbers of International students included in the below figures.
Figures in [ ] designate numbers of the short-term special course students included in the below figures.
Reorganized on Apr 1, 2008

NUMBER OF INTERNATIONAL STUDENTS

(as of May 1, 2010)

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	Govt. Supported	Self Supported	Govt. Supported	Self Supported	Total
1 China	15	65	10	30		35		67	25	197	222
2 Korea		4	1	4	11	9		1	12	18	30
3 China (Taiwan)		1				1		1		3	3
4 Singapore	1								1		1
5 Philippines	2	1	1						3	1	4
6 Viet Nam	4	6	1	1		20		4	5	31	36
7 Malaysia		1	1	6	1	20			2	27	29
8 Indonesia	3	1		2	1			1	4	4	8
9 Myanmar	2			2					2	2	4
10 Thailand	1			1				1	1	2	3
11 India	3		5	5	1			1	9	6	15
12 Nepal				1				1		2	2
13 Srilanka					1				1		1
14 Afghanistan	4		2						6		6
15 Saudi Arabia		1								1	1
16 Iraq							1		1		1
17 Turkey		2						1		3	3
18 Syria	1				1				2		2
19 Pakistan	1								1		1
20 Egypt				4						4	4
21 Algeria				1						1	1
22 Morocco			1						1		1
23 Moldova							1		1		1
24 Kenya	1								1		1
25 Ethiopia	1								1		1
26 Tunijia	1			1					1	1	2
27 Bangladesh		1	1	3					1	4	5
28 Finland								1		1	1
29 France				1				4		5	5
30 Spain			1					1	1	1	2
31 Bulgaria					1				1		1
32 Slovakia					1				1		1
33 Turkmenistan							1		1		1
34 Brazil					1		2	1	3	1	4
35 Costa Rica			1						1		1
36 Colombia	1								1		1
Total	41	83	25	62	19	85	5	85	90	315	405
	124		87		104		90		405		

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

INTERNATIONAL ACADEMIC EXCHANGE AGREEMENTS CONCLUDED

☆ About Student Excahnge Indicators:
● exchange of students WITH tuition waiver program
○ exchange of students WITHOUT tuition waiver program

(as of May 1, 2010)

Countries & Regions		Universities/Institutes (Departments/Libraries at NIT)	Department to Department	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 (Ceramics Research Lab.)	○	2007.11.21		○	○	○
		Tongji University		2006. 6. 6	●	○	○	○
		Institute of Semiconductors, Chinese Academy of Sciences		2007. 5.18		○	○	○
		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)	○	2009. 1.29	○	○	○	○
		Dalian Neusoft Institute of Information		2010. 4.12	●	○	○	○
		Library of Changchun University (Library)	○	1995. 1.17		○		○
		Library of Jilin University (Library)	○	1995. 1.17		○		○
	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	●	○	○	○
	Indonesia	Udayana University		2003.10.14	●	○	○	○
	Republic of Korea	Hanyang University		2003. 3.10	●	○	○	○
		School of Electrical Engineering and Computer Science, Seoul National University (Computer Sci. and Eng., Graduate School of Eng.)	○	2005. 9.20		○	○	○
	Malaysia	Universiti Teknologi MARA		2005. 7. 8	●	○	○	○
		Universiti Teknologi Malaysia		2006. 6.29	○	○	○	○
	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	●	○	○	○
	Vietnam	Institute of Materials Science (Vietnamese Academy of Science and Technology)		2008. 2.21	●	○	○	○
		Hanoi University of Science and Technology		2008. 9.18	●	○	○	○
Oceania	Australia	University of Technology, Sydney		1997. 8. 8	●	○	○	○
Europe	Bulgaria	St. Cyril and St. Methodius University of Veliko Tarnovo (Computer Sci. and Eng.)	○	2008. 4.23		○	○	○
	Finland	Aalto University		2003. 1.31	●	○	○	○
	France	École Nationale Supérieure de Céramique Industrielle & Université de Limoges		2003. 2.18	●	○		○
		École Nationale Supérieure de Chimie de Lille		2003. 2.19	●	○	○	○
		EFREI		2006.10. 3	●	○	○	○
		École Spéciale des Travaux Publics, du Bâtiment et de L'Industrie		2009. 3.11	●	○	○	○
		ESIGELEC		2010. 3. 8	●	○	○	○
	Germany	Faculty of Electrical Engineering and Information Technology, Chemnitz University of Technology (Computer Sci. and Eng., Graduate School of Eng.)	○	2006.10.23		○	○	○
		Department of Materials Science, University of Erlangen-Nuernberg (Institute of Ceramics Research and Education)	○	2009.10.12	○	○	○	○
	Italy	Milano University		2004. 3.30	○	○	○	○
	Poland	Faculty of Computing Science and Management Poznan University of Technology (Computer Sci. and Eng., Graduate School of Eng.)	○	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	Universidad Politecnica De Valencia		2000.11.14	●	○	○	○
	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 (Ceramics Research Lab. at NIT)	○	2007.11. 6		○	○	○
		The University of Sheffield		2005. 7. 8		○	○	○
North America	U.S.A	Texas State University – San Marcos		2002. 7.12	●	○	○	○
		University of Arkansas – Fort Smith		2007. 5.16	○	○	○	○
		Clemson University		2008. 2. 7	○	○	○	○
		Northwestern University		2008. 4.23	○	○	○	○
South America	Brazil	University of Brazilia		1999. 1. 7	●	○	○	○

LIBRARY

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

Floor Plan

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

Library Hours

1 : open

Semester Hours	Monday – Friday	8 : 45 – 21 : 45
	Saturday	8 : 45 – 16 : 45
Vacation Hours	Monday – Saturday	8 : 45 – 16 : 45

2 : close

- Sundays and National Holidays
- Foundation Day (November 1st)
- Year-end and New Year's Holidays (December 29 – January 3)
- University Testing Center Examination, Entrance Examination

Holding Materials

(as of May 1, 2010)

	Japanese	Foreign	Total
Books	260,215	208,888	469,103
Journals	2,463	3,465	5,928

Library Use 2009

Open Days	293 Days
Users	255,868 Persons
Book Lending	40,467 Volumes
Copying Documents	5,880 Cases

NIT Repository Use

(as of May 1, 2010)

Items Archived	250
Item Views	29,506
Item Downloads	41,013

NIT Repository system (http://repo.lib.nitech.ac.jp)

You can sarch and read the scholary literature (doctral dissertation, academic papers etc.) produsedat the Nagoya Institute of Technology using the NIT Repository System.

EDUCATIONAL RESEARCH CENTER

Quality Innovation Techno-Center

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

Ceramics Research Laboratory

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 21 century. Ceramics Research Laboratory (CRL) was established in 1973 and moved to Tajimi-city in 1977. This East-Gifu area has a long history on a pottery product industry. The CRL has been supporting the industrial research of many companies in this local area so far. In 2001 the CRL was reorganized into the present center for the purpose to develop intelligent ceramics. Since then it has contributed to ceramic science as well as academic education for research engineers in worldwide scale. Recently, some national projects and collaboration with other organization and companies have led to excellent academic and technological work in the field of ceramics and related materials.

Research Center for Nano-Device and System (RCNDS)

The Research Center for Nano-Device and System (RCNDS) was established on April 1, 2003, after the project for ten years was completed on March 31, 2003 in the previous "Research Center for Micro-Structure Devices". The purpose of the center is to conduct research on physical properties of materials with micro-structure (nano-structure) and their application to electronic and photonic devices, taking over research works "Heteroepitaxial Crystal of Micro-Structures", "Basic Characterization" and "Device Fabrication and Its characterization" studied in the previous research center.

International Center for Automotive Research (ICAR)

International Center for Automotive Research (ICAR) was established in July 2007. ICAR's mission is to promote education and research for automobile engineering as well as to establish a hub of international network in this field.

As one of its main functions, ICAR implements "International Graduate Program of Automobile Engineering" in collaboration with industries. This program is supported by "the Asian Foundation Initiative for Human Resources," which Ministry of Economy, Trade and Industry (METI) and Ministry of Education, Culture, Sports, Science and Technology (MEXT) have jointly initiated.

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 division has functions such as technology transfer support and practical liaison activities.

As a core organization for promoting NIT's industry-academia-government collaboration project, we are going to enhance the function of our one-stop service, and facilitate coordination with industry.

(1) Planning and Administrative Division

The objective of this division is to plan and administrate the promotion and enhancement of the industry-academia-government collaboration strategy.

Main activities
- One-stop service
- Plan and design of the Center's long-term and medium-term programs
- Receive and contract the external funds (joint research, funded research, etc.), and conclude confidentiality agreement
- Public relations and office work for the Center

(2) Intellectual Property Utilization Division

The objective of this division is to promote joint research, assistance for venture companies, management and utilization of intellectual property.

Main activities
- Promotion of consultancy service for science and technology
- Promotion of industry-academia-government collaboration, e.g. working as a liaison
- Promotion of research works conducted with competitive funds
- Promotion of joint research in collaboration with private companies
- Extension classes and seminars according to community needs
- Assistance for the creation of intellectual property
- Evaluation, utilization, and management of intellectual property
- Assistance for technology transfer
- Assistance for the development of university-based start-up ventures based on research
- Promotion of unique R&D projects
- Assistance for joint research plans anchored mainly by graduate students and young researchers
- Dissemination of information about technological trends in advanced economies and industrial arenas

Center for Research and Development in Higher Engineering-Education

The Center for Research and Development in Higher Engineering-Education was established on April 2005 to support the engineering-education system of NIT (Nagoya Institute of Technology). The Center consists of 3 Offices as follows; "Admission Research Office", "Educational Research and Development Office", "Career Education Office".

NIT International Center

The NIT International Center was established in 2005, by reorganizing the former International Student Center, for the purpose of fostering talented students who will be able to contribute to the international arena and promoting cooperation among universities as well as collaboration between NIT and public/private sectors, respectively at international level.

The Center consists of two sections: Human Development Section and Partnership Section.

(1) Human Development Section

This section aims to foster talented students who will be able to make contributions to the international arena in the future.
Its main functions are:
To provide foreign students with human resource training course
To enhance the exchange of students between NIT and foreign universities, and
To establish the alumni association as to develop the human network of NIT foreign ex-students.

(2) Partnership Section

This section aims at promoting international cooperation among universities and collaboration among NIT, government and industries.
Its main functions are:
To suggest international strategies based on investigation and analysis
To promote international cooperation among industries, government and academia, and
To conclude academic agreements among universities, in accordance with the NIT's international strategies.

Information Technology Center

The Information Technology Center opened in April 2006. This organization provides information infrastructure for Nagoya Institute of Technology. The center consists of three sections:
(1) Database administration (2) Course management systems (3) Network management and network security. We are also developing a new system for the 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) managements of large-scale instruments for research and (2) promotion of cooperative use of the instruments. The staffs carry out (1) researches for advanced instrumental analyses and (2) support of educations and researches in campus and/or industry. The staffs also provide scientific and technical counseling for instrumental analyses.

• Main instruments (2010/4)
TEM, SEM, SPM, EPMA, XRD, AES, XPS(ESCA), SIMS, FIB, NMR, Solid-state NMR, MASS, TA, ESR, FT-IR, SQUID, Helium Liquefaction, γ-ray MCA, etc.

Risk Management Center

In the event of an emergency or natural disaster, the Risk Management Center of NIT is prepared to act promptly to maintain the essential functions of the university, to protect the lives of students, faculty, staff, and to preserve the property and honor of NIT.

The Risk Management Center handles emergencies, and implements any crisis management actions required during times of normal operations. It consists of two sections: the Disaster Prevention Section, and the Legal Risk Section.
(1) The main functions of the Disaster Prevention Section are to:
Prepare disaster prevention procedures and plan countermeasures
Maintain the health and safety of NIT students, faculty, and staff
Educate NIT students, faculty, and staff concerning disaster prevention
Take countermeasures and contain damage in the event of an emergency.

(2) The main functions of the Legal Risk Section are to:
Establish measures to prevent the occurrence of legal incidents
Take countermeasures if a legal incident occurs and prevent its recurrence
Provide media relations during emergencies.

Center for Fostering Young and Innovative Researchers

The center was established on June 2009 to train excellent young researchers with the ability to conduct world's highest level research, to lead research and educational activities in interdisciplinary fields of NIT, and to contribute to stimulating innovative researches. For this purpose, the center provides a tenure track system, in which the researchers can receive under various supports and may be offered tenure position through the strict and fair review.

Health Support Center

This center deals with not only health support of all the members in the university, but also early diagnosis and treatment, prevention of relapse and onset prevention. Under the School Health and Safety Law together with Labour Safety and Health Law, we organize a health checkup for all workers and students. Anyone can have a personal consultation with medical doctors(psychiatrist, internal physician), clinical psychologist, or nurses. First aid is also available.

WELFARE FACILITIES

University Hall

The university hall has the dining hall, the cafeteria method dining room, the coffee room, the barbershop, the travel counter, and the stall (book, stationeries, general merchandise, and electricity and electronic equipment, etc.).

Moreover, there are a Japanese-style room, and a meeting room, etc. that the student can use, too.

3F	Meeting Room　Recreation Room　Music Appreciation Room　Exhibit Hall Others (Be diverting it until March, 2011.)
2F	Meeting Room　Japanese-style Room　Cafeteria dining room Stall (book, stationeries, general merchandise, and electricity and electronic equipment, etc.) Barber shop　Others
1F	Job information room　Dining Hall　Stall (convenience store and bakery (the coffee room)) Others

International House

The NIT International House has been established for researchers and students from abroad to supply housing accommodation and to contribute to international exchange in education and study promoted by the Nagoya Institute of Technology.

Students may move into international student accommodations in April and October.

The permitted period of occupancy is six months or less.

Administrative Building (1 story)	Office, Adviser's room	1
	Counseling room	1
	Closet	1
	Japanese-style room	1
	Lobby	1
	Books and reference corner	1
Unmarried students accommodation Building (5 stories)	Single Room	54
	Laundry	5
Married students accommodation Building (3 stories)	Couple Room	6
Family accommodation Building (2 stories)	Family Room	2

Kisokoma Kogen Seminar House

(Location: Nagano Prefecture)

The Seminar House was built for students and staffs as a place promoting study and health.

Nestled at the foot of Mt.kisokomagatake and facing Mt.Ontake, it is a place of scenic beauty, ideal for hiking and camping in summer and skiing in winter.

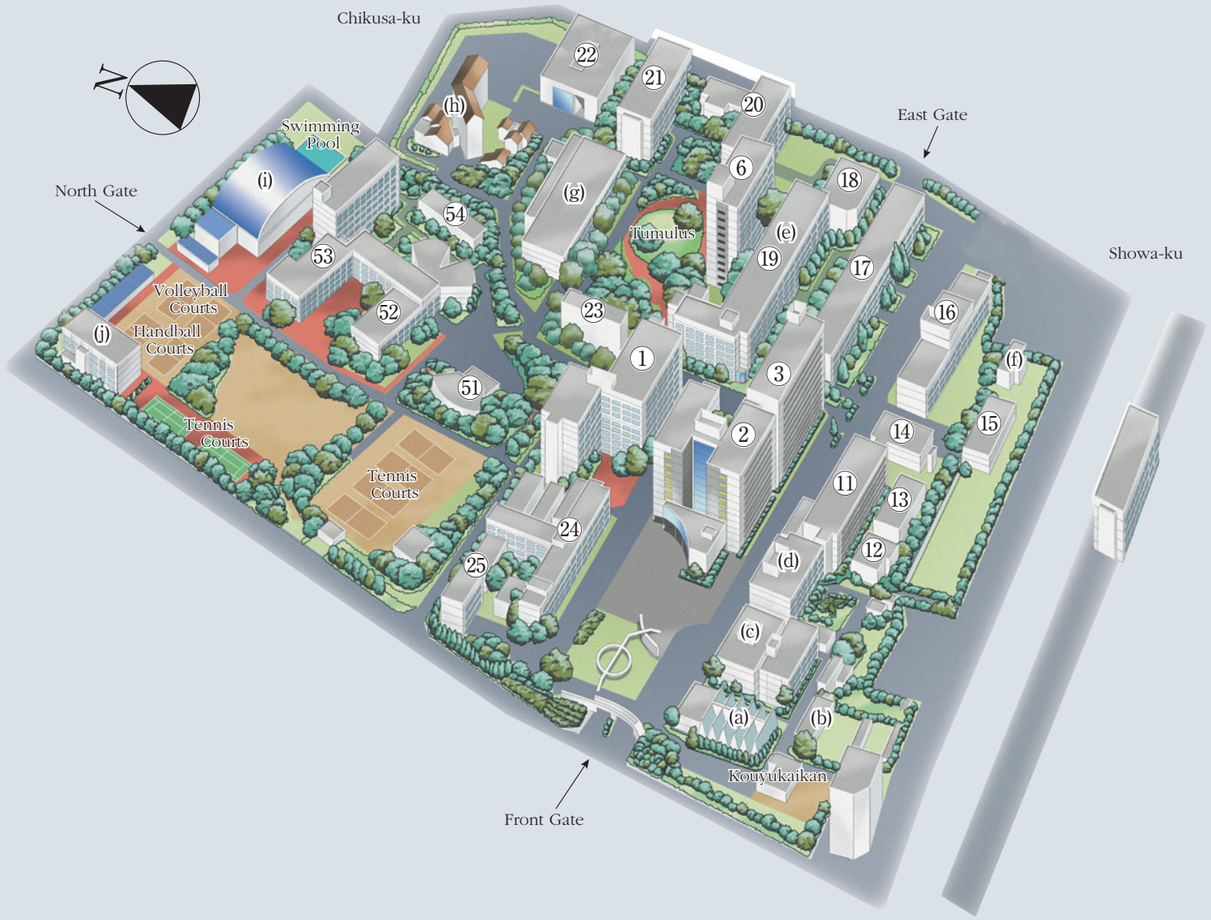
1F	Meeting Room & Seminar Room　Japanese-style Room　Kitchen　Bed Room Administration Room　Others
B1	Bath Room　Lavatory　Others

BUILDINGS AND LAND

Classification		Building	Land	Address
		m²	m²	
Gokiso Campus	Engineering Department and General Education School Buildings	101,925	138,462	Gokiso-cho, Showa-ku, Nagoya 466-8555
	Administration Office	4,272		
	University Library	5,577		
	EDUCATIONAL RESEARCH CENTER	1,620		
	Quality Innovation Techno-Center	(993)		
	Research Center for Nano-Device and System	(530)		
	International Center for Automotive Research	(97)		
	Center for Social Contribution and Collaboration	3,814		
	NIT International Center	239		
	Information Technology Center	2,126		
	Instrument and Research Technology Center	1,075		
	Health Support Center	509		
	Auditorium	1,551		
	Gymnasiums	2,479		
	Facilities for Extracurricular Activities	1,952		
	University Hall	4,197		
	International House	2,155		
	NIT Club (Guest House)	264		
	Kouyukaikan	589		
	Total	134,344	138,462	
Chikusa Campus	Chikusa Athletic Field	412	34,439	512-1, Kitachikusa, Chikusa-ku, Nagoya 464-0083
	Student Dormitories (Kowaryo)	2,933	7,336	
	Total	3,345	41,775	
Ceramics Research Laboratory		2,767	20,943	6-29, 10 chome, Asahigaoka, Tajimi 507-0071
Gamagori Yacht-House		170	[200]	1-4-1, Kaiyou-cho, Gamagori, 443-0014
Shonaikawa 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
Kisokoma Kogen Seminar House		378	[4,628]	129-10, Mizusawa, Shinkai, Kisomachi, Kiso-gun, Nagano 397-0002
Hazama House		2,669	2,981	27, Hazama-cho, Showa-ku, Nagoya 466-0062
Total		144,295	[4,915] 212,479	

Note: [ ] Leased Land

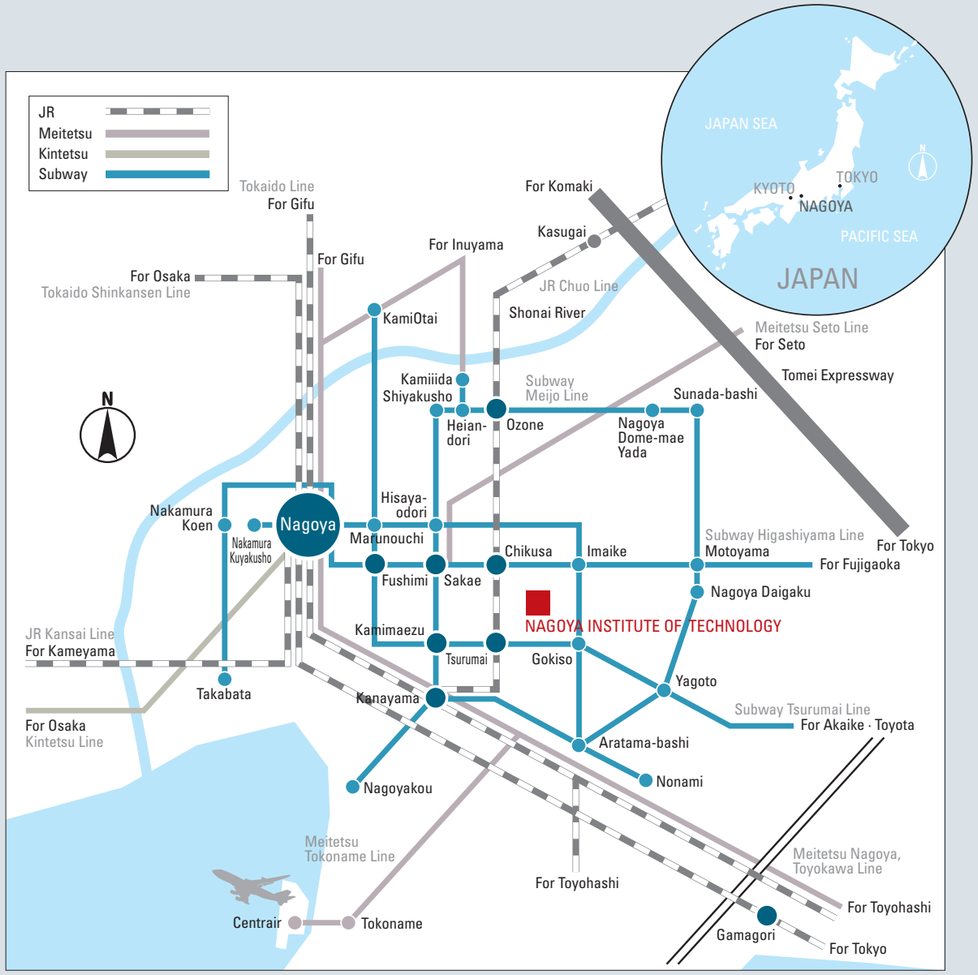
CAMPUS MAP



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

※ The number from ① to ㊹ shows the number of building.

LOCATION



Means of Transportation

JR	Nagoya	(Chuo Line)	Tsurumai			
Subway	Nagoya	(Higashiyama Line)	Fushimi	(Tsurumai Line)	Tsurumai	
Air route	Centrair	(Meitetsu Tokoname Line)	Kanayama	(JR Chuo Line)	Tsurumai	

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