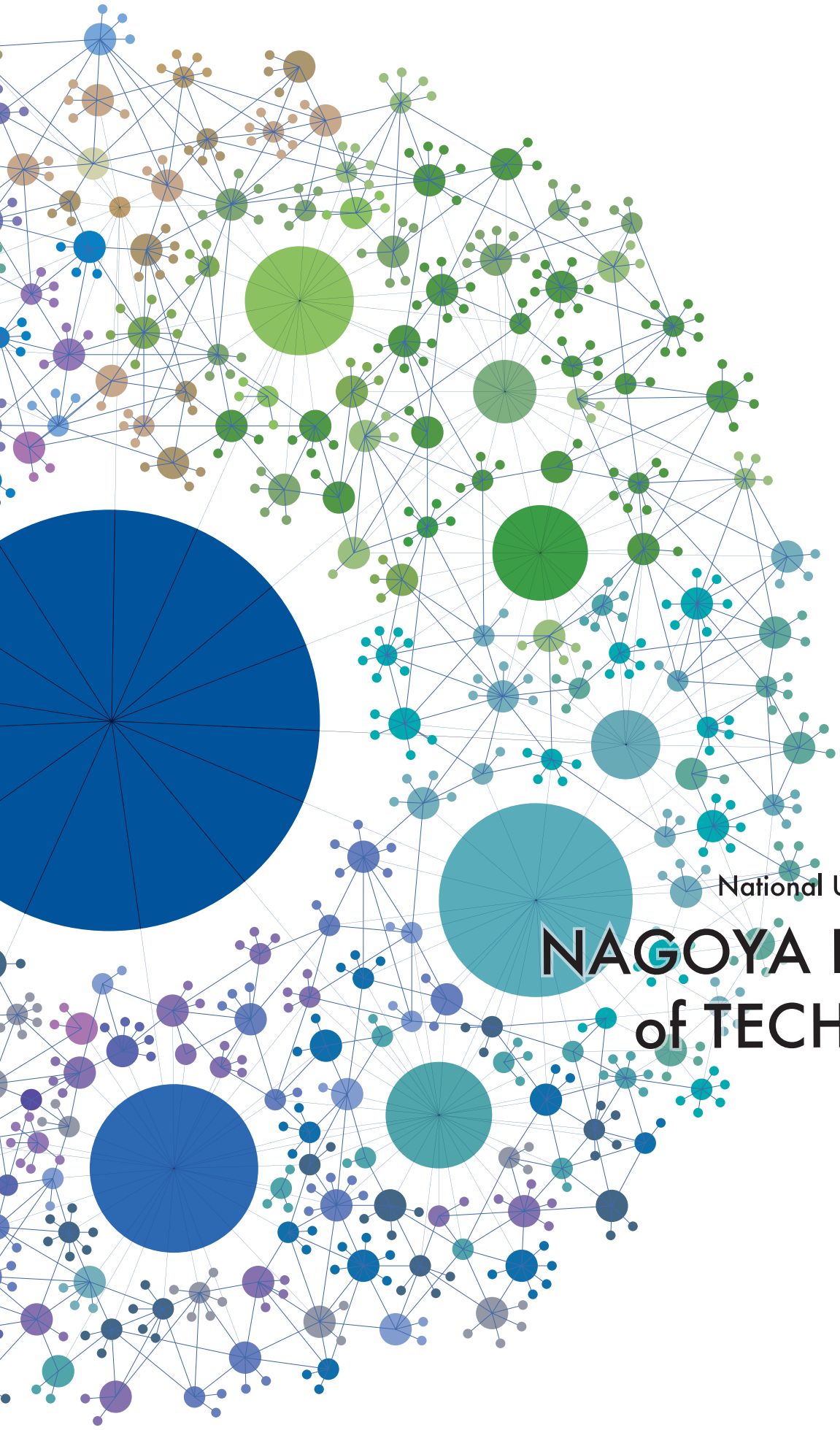


National University Corporation

NAGOYA INSTITUTE of TECHNOLOGY

Bulletin 2013

HISTORY

Nagoya Higher Technical School (founded Mar.1905)

Aichi Prefectural College of Technology (founded Feb.1943)

Nagoya College of Technology (renamed Apr.1944)

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 2013
(April 1, 2013 ～ March 31, 2014)

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 6 ～ September 30
Winter Vacation	December 24 ～ January 5

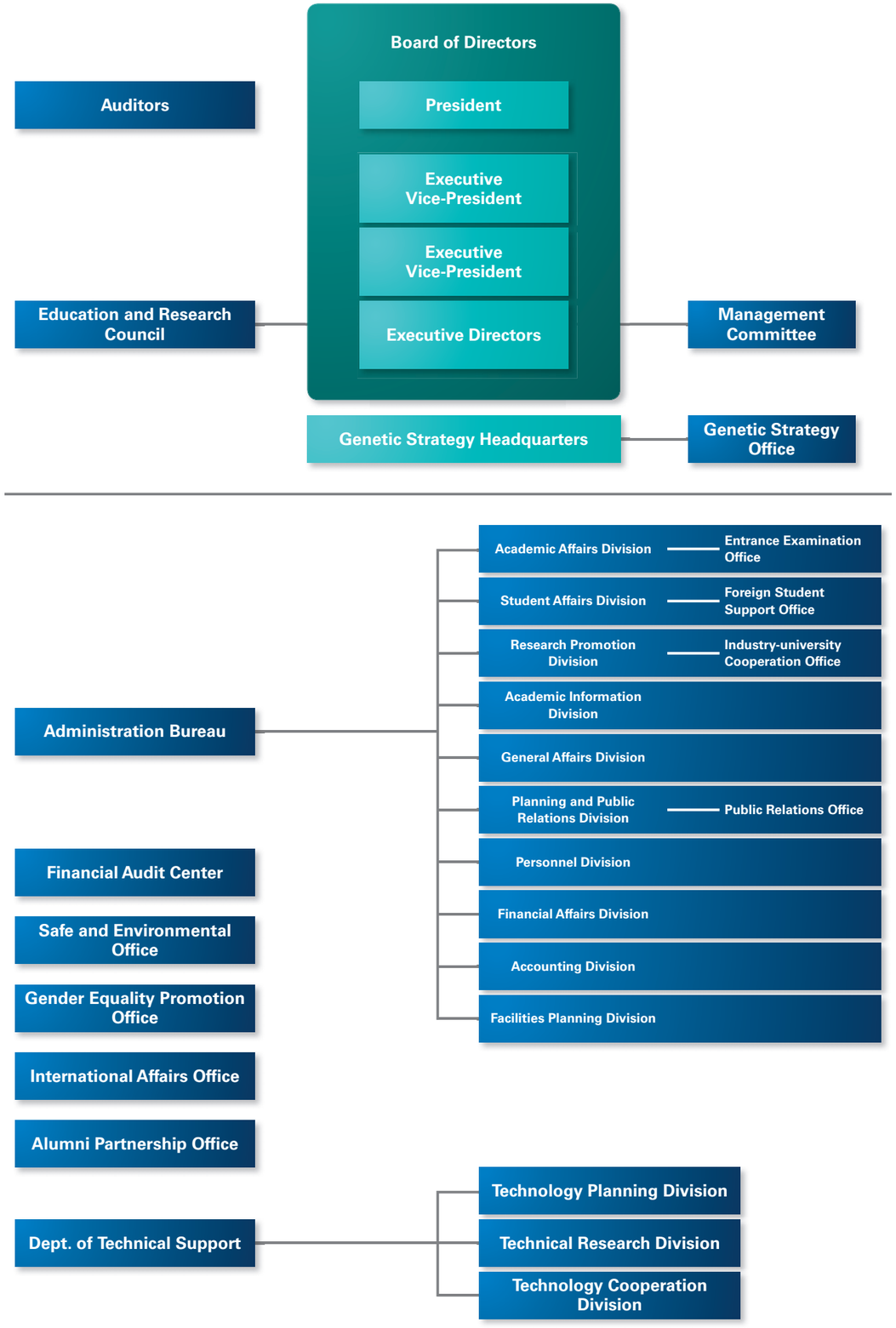
ADMINISTRATIVE OFFICERS

President
TAKAHASHI

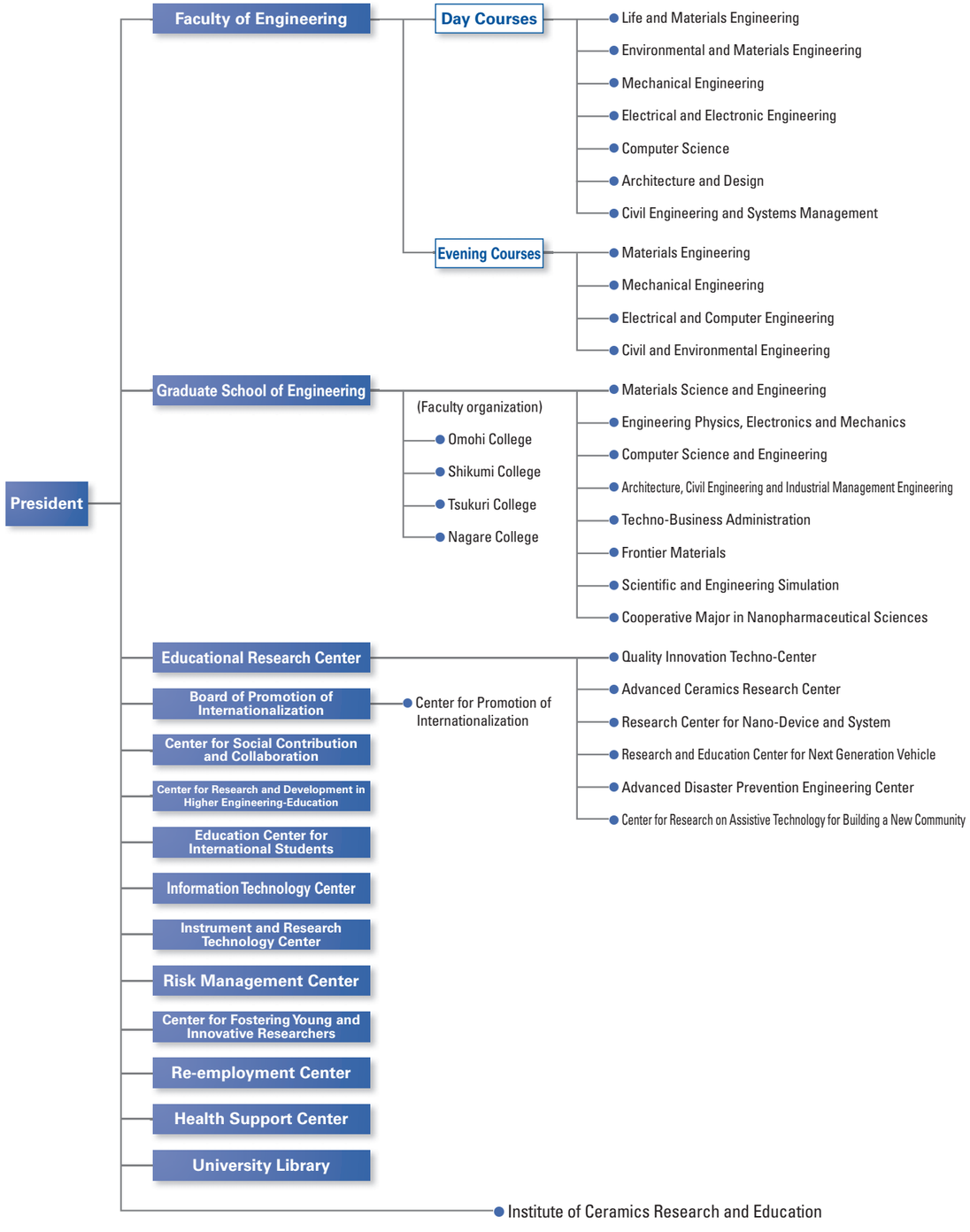
President	**TAKAHASHI Minoru**
Executive Vice-President	**KINOSHITA Takatoshi**
Executive Vice-President	**MASUDA Hideki**
Executive Director	**KAGAWA Tohru**
Auditor	**HORI Tatsuyuki**
Auditor	**MATSUDA Shigeki**
Vice-President	**UKAI Hiroyuki**
Vice-President	**NAKAMURA Takashi**
Vice-President	**ERYU Osamu**
Vice-President	**OBATA Makoto**
Vice-President	**OHNUKI Tohru**
Director, University Library	**KIOKA Wataru**

CONTENTS

MANAGEMENT ORGANIZATION

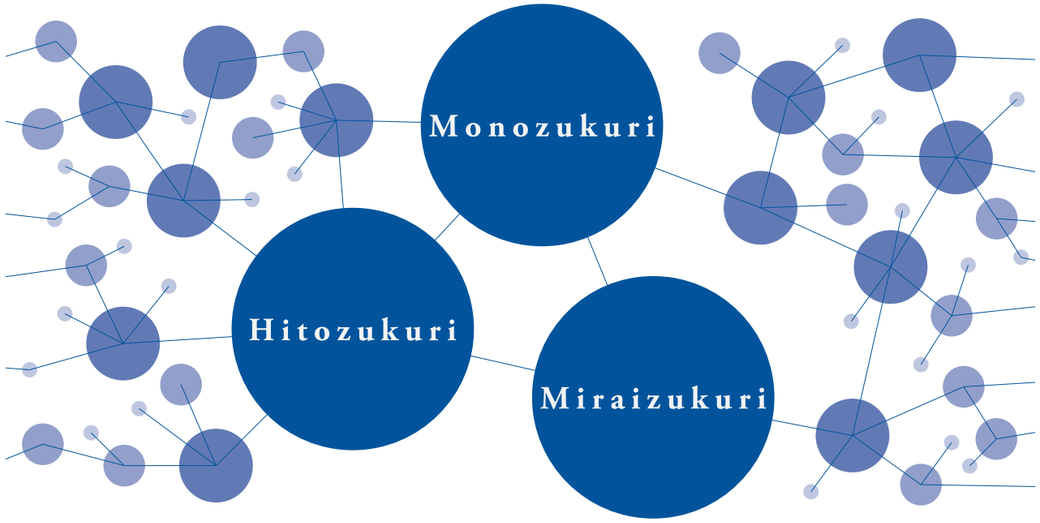


EDUCATION RESEARCH ORGANIZATION



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

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

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

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.

Enacted on the 1st of January, 2012

Directors

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)

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				2	1	3	25	3	28	27	4	31
35～44	3		3	65	3	68	34	3	37	102	6	108
45～54	69	2	71	51	6	57	4		4	124	8	132
55～64	57	4	61	11		11	1		1	69	4	73
65～										0	0	0
Total	129	6	135	129	10	139	64	6	70	322	22	344

Staff (Full-time)

Administrative Staff			Technical Staff			Medical Staff			Total		
Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
71	50	121	43	14	57		1	1	114	65	179

※ Exclude fixed-term or re-employment contract holder

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　Delivery and Dynamic Sciences of Medicine Nanoengineering for Medicine

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) 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 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 and coastal area, 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 contribute 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 in management technologies and solving management problems. Based on methodologies for resources (staff, equipment, money, information and time, etc.), quality and technology management, graduates from the program have been promised to be actively involved in various social and industrial sectors as creative engineers solving problems.

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 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 better space and infrastructures for human life and industries 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 management, logistics etc. The frontier of our working field is ever expanding. We also welcome 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 engineering”.

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 important issues : Entrepreneurship, Intellectual property, Relationship 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 have an academic background in engineering or relevant practical experiences in industry. The course offers two programs: One-year master program for those in employment who wish to advance their career, and Two-year program for new graduates who hope to improve their skills from the perspective 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 using 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.

Cooperative Major in Nanopharmaceutical Sciences

Department of Nanopharmaceutical Sciences was established in cooperation with Graduate School of Engineering at Nagoya Institute of Technology and 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 equal basis, and will become core researchers and engineers in various fields of research and development such as new drug, functional food, and cosmetics.

Faculty of Engineering (Day Courses)

(as of May 1, 2013)

Departments	Enrollment		Current Enrollment																	
			1st Year			2nd Year			3rd Year			4th Year			Total					
	Annual	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Life and Materials Engineering	154	620	117 (0)	48 (2)	165 (2)	113 (0)	50 (0)	163 (0)	126 (1)	44 (4)	170 (5)	138 (1)	43 (1)	181 (2)	494 (2)	185 (7)	679 (9)			
Environmental and Materials Engineering	94	380	82 (1)	15 (3)	97 (4)	87 (2)	8 (0)	95 (2)	95 (1)	7 (1)	102 (2)	113 (2)	4 (0)	117 (2)	377 (6)	34 (4)	411 (10)			
Mechanical Engineering	184	740	176 (4)	19 (0)	195 (4)	168 (7)	22 (1)	190 (8)	182 (8)	24 (0)	206 (8)	239 (12)	25 (2)	264 (14)	765 (31)	90 (3)	855 (34)			
Electrical and Electronic Engineering	139	560	139 (4)	5 (0)	144 (4)	146 (5)	7 (0)	153 (5)	148 (3)	1 (0)	149 (3)	176 (4)	4 (1)	180 (5)	609 (16)	17 (1)	626 (17)			
Computer Science	164	660	155 (3)	14 (0)	169 (3)	152 (2)	19 (0)	171 (2)	155 (2)	16 (1)	171 (3)	207 (1)	12 (0)	219 (1)	669 (8)	61 (1)	730 (9)			
Architecture and Design	80	320	52 (0)	32 (0)	84 (0)	52 (2)	29 (0)	81 (2)	67 (1)	21 (3)	88 (4)	74 (2)	30 (0)	104 (2)	245 (5)	112 (3)	357 (8)			
Civil Engineering and Systems Management	90	360	81 (0)	16 (0)	97 (0)	84 (0)	10 (2)	94 (2)	86 (1)	14 (3)	100 (4)	101 (5)	15 (0)	116 (5)	352 (6)	55 (5)	407 (11)			
Engineering Interdisciplinary Program	5		1 (0)	1 (0)	2 (0)	3 (0)	1 (0)	4 (0)	1 (0)	1 (0)	2 (0)	3 (0)		3 (0)	8 (0)	3 (0)	11 (0)			
Total	910 [10]	3,640 [20]	803 (12)	150 (5)	953 (17)	805 (18)	146 (3)	951 (21)	860 (17)	128 (12)	988 (29)	1,051 (27)	133 (4)	1,184 (31)	3,519 (74)	557 (24)	4,076 (98)			

Note: ( ) indicates international students.
[ ] indicates students incorporated into 3rd Year.

Faculty of Engineering (Evening Courses)

(as of May 1, 2013)

Departments	Enrollment		Current Enrollment																	
			1st Year			2nd Year			3rd Year			4th Year			5th Year			Total		
	Annual	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Materials Engineering	5	25	4	1	5	5	1	6	6		6	4		4	7	4	11	26	6	32
Mechanical Engineering	5	25	5	1	6	5	1	6	6		6	4		4	13		13	33	2	35
Electrical and Computer Engineering	5	25	5	1	6	5		5	6		6	5		5	25	1	26	46	2	48
Civil and Environmental Engineering	5	25	5		5	7		7	4		4	4	2	6	13	1	14	33	3	36
Architecture and Civil Engineering															1		1	1	0	1
Total	20	100	19	3	22	22	2	24	22	0	22	17	2	19	59	6	65	139	13	152

Note: Department name was changed on Apr 1, 2004

Graduate School of Engineering (Master's Courses)

(as of May 1, 2013)

Departments	Enrollment		Current Enrollment								
			1st Year			2nd Year			Total		
	Annual	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Materials Science and Engineering	100	200	101 (1)	13 (0)	114 (1)	92 (3)	24 (3)	116 (6)	193 (4)	37 (3)	230 (7)
Engineering Physics, Electronics and Mechanics	100	200	105 (4)	6 (0)	111 (4)	99 (7)	11 (0)	110 (7)	204 (11)	17 (0)	221 (11)
Computer Science and Engineering	120	240	135 (8)	4 (2)	139 (10)	132 (7)	7 (1)	139 (8)	267 (15)	11 (3)	278 (18)
Architecture, Civil Engineering and Industrial Management Engineering	75	150	74 (2)	13 (2)	87 (4)	60 (2)	22 (7)	82 (9)	134 (4)	35 (9)	169 (13)
Techno-Business Administration	33[16]	50[16]	24 (1)	12 (0)	36 (1)	29 (3)	1 (0)	30 (3)	53 (4)	13 (0)	66 (4)
Frontier Materials	78	156	70 (2)	10 (1)	80 (3)	77 (2)	8 (0)	85 (2)	147 (4)	18 (1)	165 (5)
Scientific and Engineering Simulation	80	160	82 (2)	5 (3)	87 (5)	88 (4)	13 (6)	101 (10)	170 (6)	18 (9)	188 (15)
Total	586 [16]	1,156 [16]	591 (20)	63 (8)	654 (28)	577 (28)	86 (17)	663 (45)	1,168 (48)	149 (25)	1,317 (73)

Note: ( ) indicates international students.
[ ] indicates the short-term special course students.

Graduate School of Engineering (Doctor's Courses)

(as of May 1, 2013)

Departments	Enrollment		Current Enrollment											
			1st Year			2nd Yeaer			3rd Year			Total		
	Annual	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Materials Science and Engineering	5	15	4 (1)		4 (1)	3 (0)		3 (0)	12 (3)	3 (3)	15 (6)	19 (4)	3 (3)	22 (7)
Engineering Physics, Electronics and Mechanics	5	15	6 (1)		6 (1)	7 (2)		7 (2)	10 (4)	3 (2)	13 (6)	23 (7)	3 (2)	26 (9)
Computer Science and Engineering	5	15	7 (1)	1 (1)	8 (2)	14 (4)	1 (1)	15 (5)	19 (4)		19 (4)	40 (9)	2 (2)	42 (11)
Architecture,Civil Engineering and Industrial Management Engineering	4	12	6 (3)	2 (1)	8 (4)	6 (3)	4 (1)	10 (4)	22 (3)	11 (4)	33 (7)	34 (9)	17 (6)	51 (15)
Frontier Materials	12	36	11 (3)	3 (3)	14 (6)	13 (6)	3 (1)	16 (7)	20 (8)	1 (0)	21 (8)	44 (17)	7 (4)	51 (21)
Scientific and Engineering Simulation	8	24	10 (2)	2 (2)	12 (4)	4 (1)	1 (1)	5 (2)	18 (6)		18 (6)	32 (9)	3 (3)	35 (12)
Cooperative Major in Nanopharmaceutical Sciences	3	3	2 (1)	1 (0)	3 (1)							2 (1)	1 (0)	3 (1)
Environmental Technology and Urban Planning									1 (0)		1 (0)	1 (0)	0 (0)	1 (0)
Total	42	120	46 (12)	9 (7)	55 (19)	47 (16)	9 (4)	56 (20)	102 (28)	18 (9)	120 (37)	195 (56)	36 (20)	231 (76)

Note: ( ) indicates international students.
Reorganized on Apr 1, 2008
Newly established Cooperative Major in Nanopharmaceutical Sciences on Apr 1, 2013

NUMBER OF INTERNATIONAL STUDENTS

(as of May 1, 2013)

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
Afghanistan	4	3	6						10	3	13
Algeria				1					0	1	1
Bangladesh	1		1	2					2	2	4
Brazil					2			1	2	1	3
Cambodia		1							0	1	1
China	3	42	9	23		28		42	12	135	147
China(Taiwan)		1						1	0	2	2
Ethiopia			1						1	0	1
France								4	0	4	4
Germany				1				1	0	2	2
India	2	2		6	1				3	8	11
Indonesia		1	1	3	1				2	4	6
Iraq			1						1	0	1
Repblic of Korea		7		2	9	18		1	9	28	37
Malaysia				7		18			0	25	25
Mongolia	1								1	0	1
Myanmar			2						2	0	2
Nepal				1					0	1	1
Pakistan			1						1	0	1
Philippines			1	1					1	1	2
Slovakia		1							0	1	1
Spain								2	0	2	2
Srilanka					2				2	0	2
Syria			1						1	0	1
Thailand				1				1	0	2	2
Tunijia			1						1	0	1
Turkey				2				2	0	4	4
Vietnam		4		1		19		1	0	25	25
Total	11	62	25	51	15	83	0	56	51	252	303
	73		76		98		56		303		

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

OVERSEAS LIAISON OFFICE

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 for the Establishment of the Liaison Offices with BUCT. This office is determined to play a central role in China. As our main base in China, this office releases information of NITech and serves to facilitate academic or educational exchanges. Furthermore, this office can support students who hope to study abroad and also provide support for joint researches between researchers from China and NITech.

NITech Liaison Office in Malaysia

The NITech Liaison Office at UiTM was established in the campus of Universiti Teknologi MARA (UiTM) in March 2013 under the Memorandum of Understanding for the Establishment of the Liaison Offices with UiTM as our main base in Malaysia. This office can support seminars, symposiums and also play a key role in attracting exceptional students and researchers through the support for joint researches between researchers from Malaysia and NITech. Furthermore, this office serves to facilitate academic or educational exchanges and releases information on NITech.

NITech Europe Liaison Office

The third overseas liaison office, NITech European Liaison Office was established at Friedrich-Alexander Universität Erlangen-Nürnberg (FAU) in Erlangen, Germany in July 15, 2013.

INTERNATIONAL ACADEMIC EXCHANGE AGREEMENTS CONCLUDED

Number of University Level Partnerships	51
Number of Department Level Partnerships	14
Number of Countiries & Regions	25

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

(as of May 15, 2013)

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 (Advanced Ceramics Research Center)	○	2007.11.21		○	○	○
		Tongji University		2006. 6. 6	●	○	○	○
		Guangzhou Institute of Energy Conversion, Chinese Academy of Sciences (GIEC, CAS) (Institute of Ceremics Research and Education)	○	2010.11.19	○	○	○	○
		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. 1.16		○		○
	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	●	○	○	○
	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 Sci. and Eng.)	○	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 and Dept. of Frontier Materials)	○	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	●	○	○	○
	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	●	○	○	○
		Australian Institute for Bioengineering & Nanotechnology, The University of Queensland (Dept. of Material Science and Engineering)	○	2013. 5.15	○	○	○	
Europe	Republic of Austria	Faculty of Architecture and Planning, Vienna University of Technology (Dept. of Scientific and Eng. Simulation)	○	2012.10. 1	○	○	○	○
	Bulgaria	St. Cyril and St. Methodius University of Veliko Tarnovo (Dept. of 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	●	○	○	○
		École Françaiss d'Électronique et d'Informatique (EFREI)		2006.10. 3	●	○	○	○
		École Spéciale des Travaux Publics, du Bâtiment et de L'Industrie (ESTEP)		2009. 3.11	●	○	○	○
		École d'ingénieurs généralistes (ESIGELEC)		2010. 3. 8	●	○	○	○
		University of Poitiers		2010.10. 5	●	○	○	○
	Germany	Faculty of Electrical Engineering and Information Technology, Chemnitz University of Technology (Dept. of Computer Sci. and Eng.)	○	2006.10.23		○	○	○
		Friedrich-Alexander University Erlangen-Nuremberg		2011. 3.11	●	○	○	○
	Italy	Milano University		2004. 3.30	○	○	○	○
		Department of Computer Science & Engineering, Universiy of Padua (Dept. of Computer Sci. and Eng.)	○	2011. 1.17	○	○	○	○
	Poland	Faculty of Computing Science and Management Poznan University of Technology (Dept. of Computer Sci. and 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 (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	University of Brazilia		1999. 1. 7	●	○	○	○

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 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, NITech University Document Room, International Exchange Room Corner
2nd floor	Books (Technology,The arts, Language), Serials (Social Sciences, Natural Science), PC/AV Corner, Multimedia Reading Media Room, Reading Area, Seminar Room D, Regional, Collaboration Corner, PC Corner, Exhibition Corner, Stacks, Refresh Corner
1st floor	Books (Natural Science, Technology, Philosophy, History, Social Sciences, Literature, Industry), Counter, Electronic Resources, Brawsing Corner, Information Corner, Stacks
Basement	Closed Stacks

Library Hours

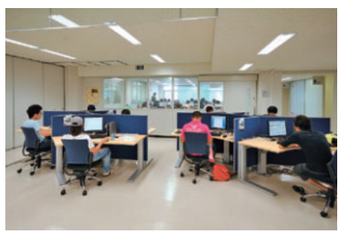
Open

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

Holding Materials

(as of March 31, 2013)

Print	Japanese	Foreign	Total
Books	258,469	210,816	469,285
Journals	2,291	3,301	5,592
Electric Books	431	19,534	19,965
Electric Journals	441	11,926	12,367



Library Use 2012

Open Days	322 Days
Users	257,049 Persons
Book Lending	45,958 Volumes
Copying Documents	1,919 Cases

NITech Repository Use

(as of May 1, 2013)

Items Archived	3,238
Item Views	142,390
Item Downloads	300,349

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.

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.

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 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.

Center for Research and Education of Next Generation Vehicle

Center for Research and Education of Next Generation Vehicle was established to conduct research on next generation automobile related field, which integrally solves energy problem and environmental problem, 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 on Producing Technology Division, Power Control Division and Power Electronics Division.

Another activity is to create education programs utilizing "Factory Manager's Training workshop", "3D-CAD Engineer School", and resources from R&D Division of this center.

Advanced Disaster Prevention Engineering Center

Prediction, mitigation and control of huge natural disasters like earthquake, tsunami and typhoon will be the final goal of ADPEC. By clarifying the process and the mechanism of the natural disasters and developing various kinds of technologies against the huge disasters, we aim to establish a leading research center of disaster prevention and mitigation in the world.

Meanwhile we will make every effort to provide the service of prevention and mitigation of huge disasters based on the viewpoint of useful and easily-acceptable technology development. We always keep in mind that the technology we developed should be able to make real contribution to the construction of a harmonic society strong against the natural disaster.

Center for Research on Assistive Technology for Building a New Community

The Center aims for the continuous and comprehensive research on assistive technology for building a new community in the 21th century of Japan known as “society of the aged” – a new community in which people of all generations can cooperate with each other and live happily- through the union of engineering, humanities and social sciences.
Activities: One of the aims of the Center is to contribute to the continuous and comprehensive research on assistive technology for building a new community in the 21th century of Japan known as “society of the aged”. The other aim is to evaluate the quality of assistive technology from the standpoint of building a new community.

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.

Nagoya Institute of Technology Center for Promotion of Internationalization

The Nagoya Institute of Technology Center for Promotion of Internationalization was established on April 1st, 2013, for the purpose of fostering talented students who will be able to contribute to international society and promoting global cooperation with universities in foreign countries.

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 NITech’s industry-academia-government collaboration project, we are going to enhance the function of our one-stop service, and facilitate coordination with industry.

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 NITech. The Center consists of 3 Offices as follows; “Admission Research Office”, “Educational Research and Development Office”, “Career Education Office”.

Education Center for International Students

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 information infrastructure for NITech. 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 (2) promotion of cooperative use of the instruments.

The staffs carry out (1) researches for advanced instrumental analyses (2) support of educations and researches in campus and/or industry. The staffs also provide scientific and technical consultation for instrumental analyses.

Risk Management Center

In the event of an emergency or natural disaster, the Risk Management Center of NITech 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 NITech.

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.

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 NITech, 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.

Institute of Ceramics Research and Education

Institute of Ceramics Research and Education (ICRE) has been established to contribute on sustainable society by integrating education research based on ceramics science and engineering. The mission of ICRE is to promote the world-level research in the field of ceramics science and foster young researchers with internationalism.

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「Hajikko」at the first floor, and Lounge Café at the second floor. ATM machine is installed in「Hajikko」. Lounge Café can be used for dining area and also communication space.

Kisokomakogen Seminar House

These seminar facilities were built to facilitate training and good health among the students and employees of NITech. It is located at the foot of Kisokomagatake (木曽駒ヶ岳) in Nagano prefecture, It is a scenic sightseeing spot where people can look up Mt. Ontake at the front.These facilities can be used for extracurricular activities, research activities, training, and social events.

NITech International House

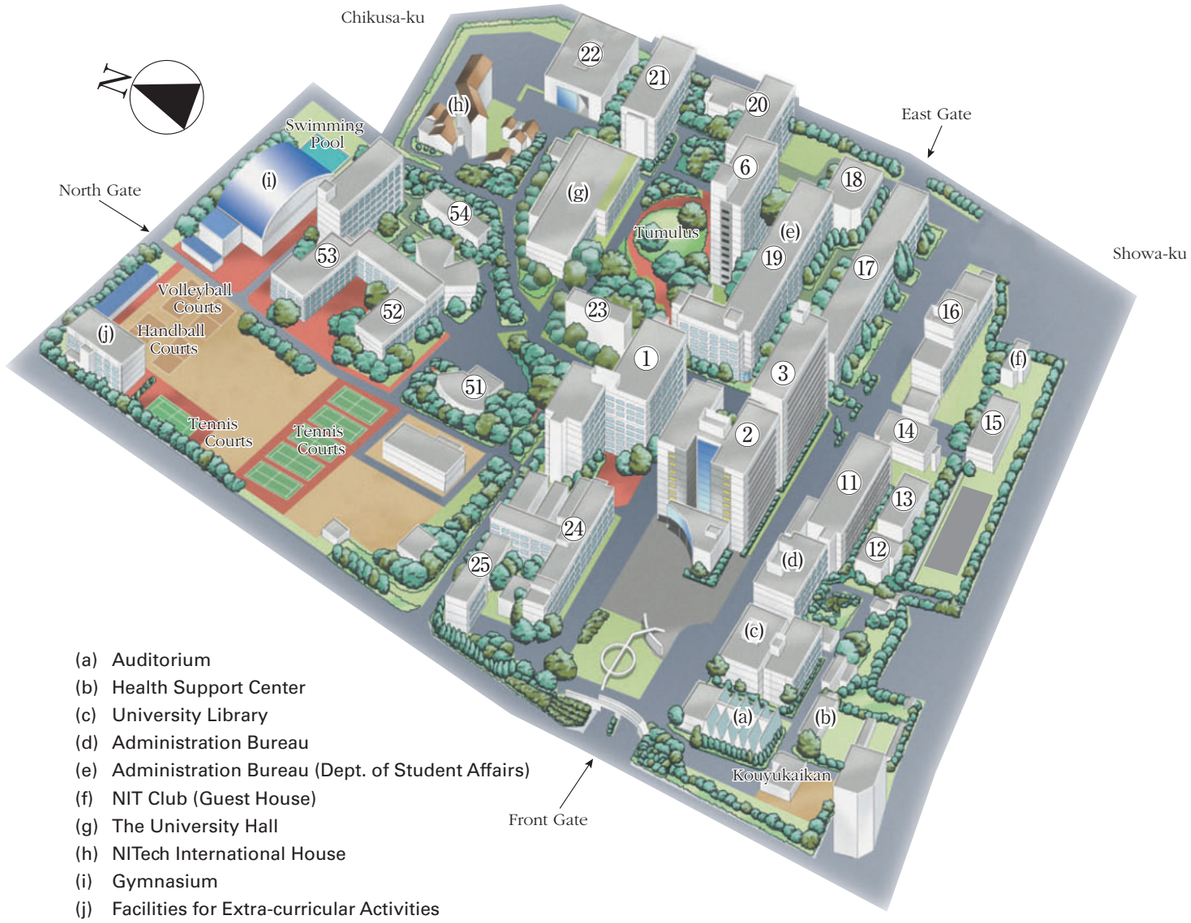
The purpose of International House is to promote international exchange in education, research field, and also to provide accommodations for students and researchers with places to live.

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.

(as of May 1, 2013)

	Facilities	Building	Area	Address
		m²	m²	
Gokiso Campus	Engineering Department and General Education School Buildings	103,147	138,664	Gokiso-cho, Showa-ku, Nagoya 466-8555
	Administration Office	3,299		
	University Library	5,577		
	EDUCATIONAL RESEARCH CENTER	1,729		
	Quality Innovation Techno-Center	(1,008)		
	Research Center for Nano-Device and System	(558)		
	Research and Education Center for Next Generation Automobile Engineering	(97)		
	Center for Research on Assistive Technology for Building a New Community	(66)		
	Center for Social Contribution and Collaboration	1,371		
	NIT International Center	362		
	Information Technology Center	1,385		
	Instrument and Research Technology Center	1,539		
	Health Support Center	509		
	Auditorium	1,551		
	Gymnasiums	2,479		
	Facilities for Extracurricular Activities	1,729		
	The University Hall	4,478		
	NITech International House	2,155		
	NIT Club (Guest House)	264		
	Kouyukaikan	589		
	NITech Mart	303		
	Others	2,513		
	Total	134,979	138,664	
Chikusa Campas	Chikusa Athletic Field	412	34,439	2-512-1, Kitachikusa, Chikusa-ku, Nagoya 464-0083
	Student Dormitories (Kowa-ryo)	2,933	7,336	
	Total	3,345	41,775	
Advanced Ceramics Research Center		2,759	20,943	10-6-29, Asahigaoka, Tajimi 507-0071
TAJIMI EKIMAE-area		[1,195]		3-101-1 Hon-machi, Tajimi, 507-0033
	Advanced Ceramics Research Center	(771)		
	Open Laboratory and others	(424)		
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
Kisokomakogen 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		[1,195] 144,922	[4,915] 212,681	

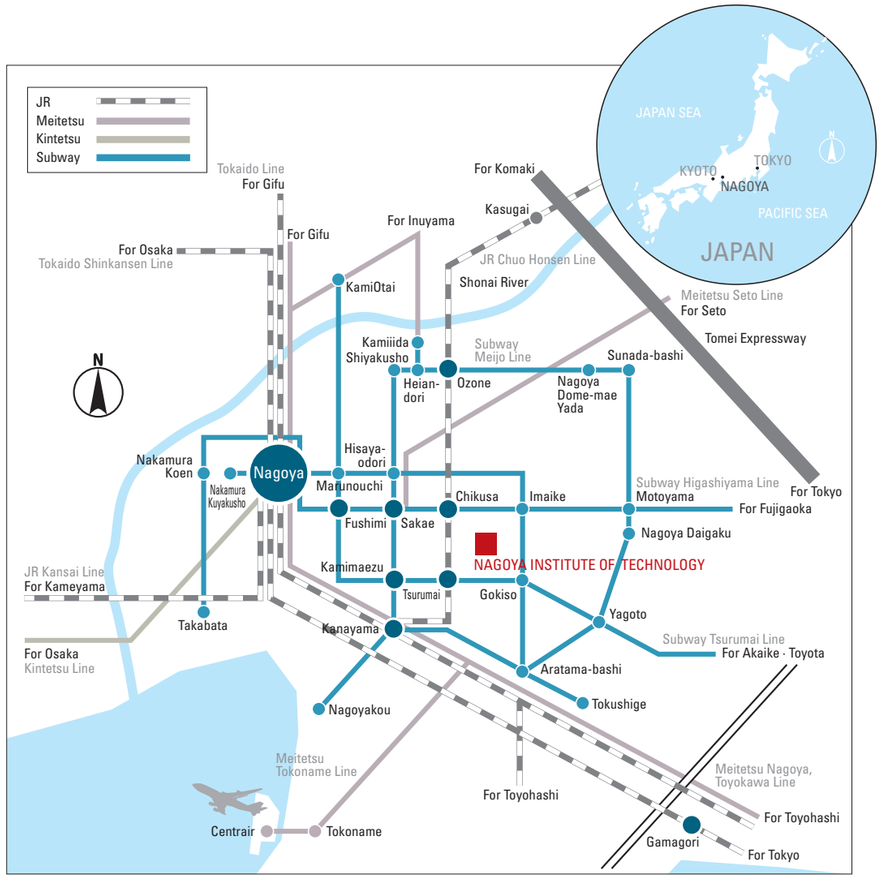
CAMPUS MAP



(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) The University Hall
(h) NITech International House
(i) Gymnasium
(j) Facilities for Extra-curricular Activities

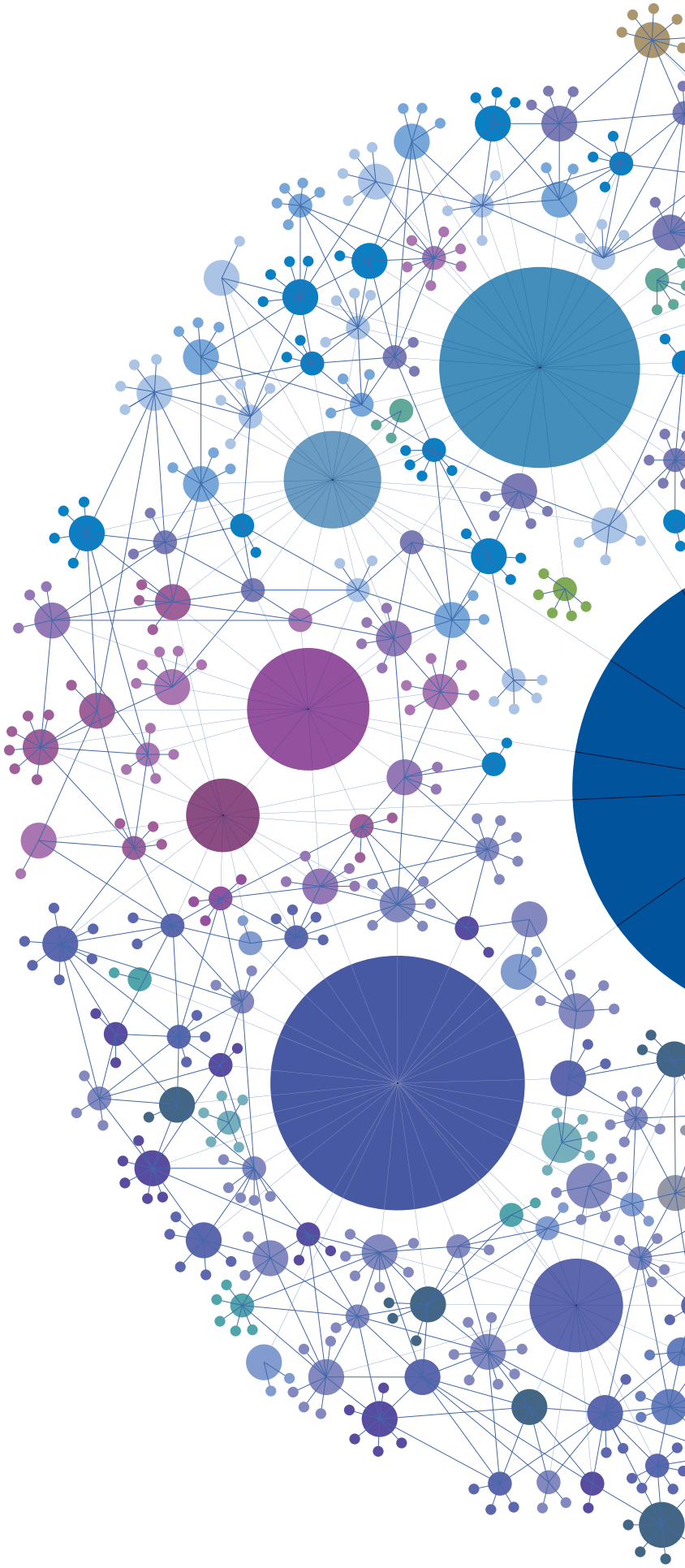
※ The number from ① to ㊹ shows the number of building.

LOCATION



Means of Transportation

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



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