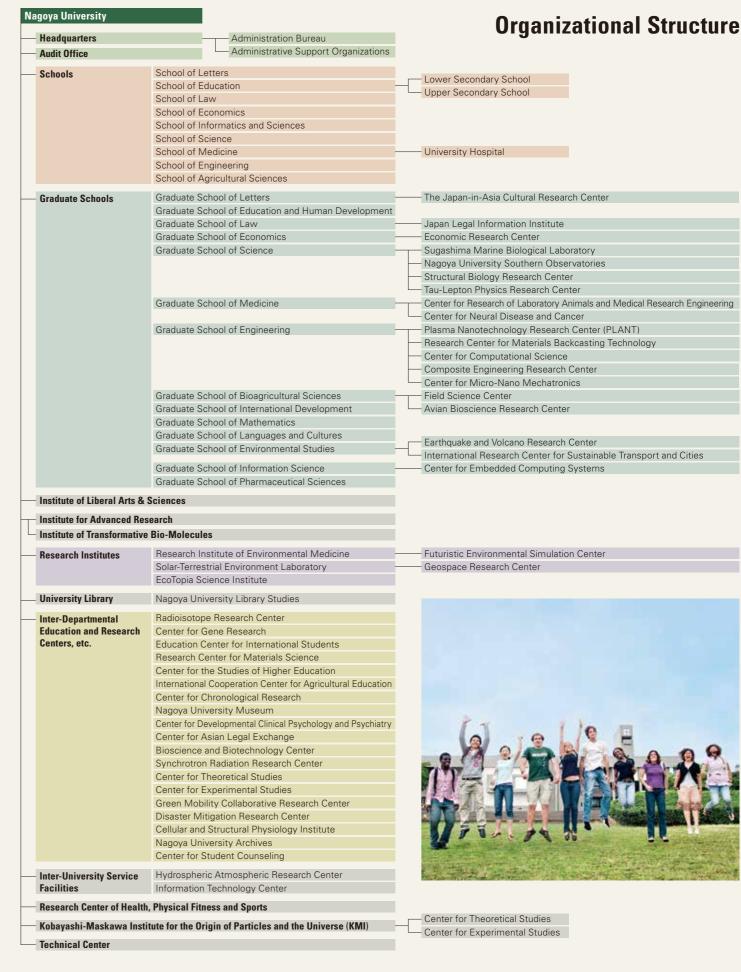


#### Nagoya University FACTBOOK 2014



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## **Schools** (Undergraduate Courses)

Schools	Departments		Courses / Programs	
School of Letters	Department of Humanities		Philosophy and Civilization Theory Courses	
School of Education	Department of Human Developmental Sciences		Lifelong Education and Development Course     School Education and Information Science Course     International Education and Culture Course	
School of Law	Department of Law and Political Science		Fundamental Positive Law	
School of Economics	Department of Ec	onomics	Theoretical Economics    Applied Economics	
	Department of Bu	siness Administration	Corporate Management    Information Accounting	
School of Informatics and Sciences	Department of Na	tural Science Informatics	Complex Systems and Informatics	
	Human Science Ir		Sociological-Geographical Studies of Environment       Psychology     Society and Media Studies	
School of Science	Department of Mathematics		Mathematics	
	Department of Ph	ysics	• Physics	
	Department of Chemistry		Chemistry	
	Department of Biological Science		Biological Science	
	Department of Earth and Planetary Sciences		Earth and Planetary Sciences	
School of Medicine	Department of Medicine		Anatomy Physiology Biochemistry Pathology Microbiology     Medical Zoology Immunology Legal Medicine Hygiene Public Health     Preventive Medicine Internal Medicine, Neurology Surgery, Thoracic Surgery     Orthopedic Surgery Obstetrics and Gynecology Ophthalmology Psychiatry     Pediatrics Dermatology Urology Otorhinolaryngology Radiology Medicine     Anesthesiology Oral and Maxiollofacial Surgery Neurosurgery Geriatrics     Emergency Medicine Clinical Laboratory Medicine	
	Department of Health Sciences	Department of Nursing	• Nursing	
		Department of Radiological Technology	Radiological Technology	
		Department of Medical Technology	Medical Technology	
		Department of Physical Therapy	Physical Therapy	
		Department of Occupational Therapy	Occupational Therapy	
School of Engineering	Department of Che	emical and Biological Engineering	Applied Chemistry Course	
	Department of Physical Science and Engineering		Materials Engineering Course	
	Department of Electrical and Electronic Engineering and Information Engineering		Electrical and Electronic Engineering Course       Information Engineering Course	
	Department of Me Aerospace Engine		Mechanical Engineering Course     Aerospace Engineering Course	
	Department of Civ	ril Engineering and Architecture	Civil Engineering Course     Architecture Course	
School of	Department of Ric	penvironmental Sciences	Bioenvironmental Sciences	
	Department of Bioresource Sciences		Bioresource Sciences	
Agricultural Sciences	Department of Bio	oresource Sciences	Bioresource Sciences	

 $<sup>^\</sup>star \text{English}$  names for the above departments, courses and programs are tentative.

## **Global 30 International Programs Taught in English (Undergraduate)**

Programs	Affiliated Schools	Majors
Automotive Engineering	Farinassian	Mechanical Engineering
Automotive Engineering	Engineering	Electrical and Electronic Engineering and Information Engineering
Biological Sciences	Science	Biological Science
biological Sciences	Agricultural Science	Applied Biosciences
Chemistry	Science	Chemistry
Chemistry	Engineering	Chemical and Biological Engineering
Fundamental and Applied Physics	Science	Physics
rundamentai and Applied Physics	Engineering	Physical Science and Engineering
Social Sciences	Law	Law and Political Science
Social Sciences	Economics	Economics and Business Administration
Japan-in-Asia Cultural Studies Program Letters • Japan-in-Asia Cultural Studies		Japan-in-Asia Cultural Studies

# Graduate Schools (Graduate Courses)

Graduate Schools	Departments			Courses / Fields		
Graduate School of Letters	Department of Humanities			Comparative Studies of Humanities Japanese Culture Philosophy Linguistics Eastern Studies Japanese History Oriental History World History Art History and Archaeology Japanese Literature and Linguistics Western Literature		
Graduate School of Education and Human Development	Department of Educational Sciences		ces	Lifelong Education and Development		
	Department of P Human Develop	sychology and mental Sciences		Psychological Sciences		
Graduate School of Law	Department of t Law and Politica		duate Program in	Core Law and Political Science		
	JD Program for l (Nagoya Univers	Legal Practice sity Law School)		Core Law		
Graduate School of Economics		ocio-Economic S		Analysis on Markets and Institutions		
	Department of Industrial Management Systems		ement Systems	Corporate System		
Graduate School of Science	Division of Particle and Astrophysical Sciences		sical Sciences	Fundamental Theoretical Physics		
	Division of Mate	Division of Material Science		Interdisciplinary Chemical Sciences       Molecular Biophysics     Inorganic and Analytical Chemistry       Organic Chemistry and Biochemistry     Physical Chemistry Biophysics Fundamental Condensed Matter Physics     Solid State Physics       Applied Condensed Matter Physics   Materials Science		
	Division of Biological Science			Biomolecular Architecture		
Graduate School of Medicine	Doctor of Medical Science	Program in Integrated Medicine	Division of Basic Medicine	Biological Chemistry • Microbiology and Immunology • Advanced Medical Science Laboratory Animal Science • Aging Research • AIDS Research • Cell Science Neuroscience • Oncology • Higher Nervous Control • Regulation of Organ Function Molecular and Cellular Adaptation • Neurochemistry • Anatomy and Cell Biology Pathology • Development • Cancer Genetics • Social Life Science Health Promotion Medicine • Epidemiology		
			Division of Clinical Medicine	Internal Medicine		
			Division of Clinical Pharmacology	Molecle Pharmacology		

Graduate Schools	Departments		Courses / Fields	
Graduate School of	Master's Course	Program in Medical Science		
Medicine		Program in Medical Science, Healthcare Administration Course		
	Program in Nurs	•	Fundamentals and Clinical Nursing    Nursing for Developmental Health	
	Program in Radi Medical Labora		Radiological Sciences     Pathophysiological Laboratory Sciences	
		sical and Occupational Therapy	Physical Therapy       Occupational Therapy	
Graduate School of Engineering	Department of Applied Chemistry, Chemical Engineering and Biotechnology		Physical Chemistry • Organic Chemistry • Inorganic and Analytical Chemistry     Materials Processing Engineering • Chemical Systems Engineering • Biotechnology     Biomaterials • Energy and Environmental Chemistry • Energy Process and Ecomaterials	
	Department of N Physics and End	Materials, ergy Engineering	Materials Processing    Bioinspired Materials    Structural Materials and Processing     Ecological Materials    Information and Electronic Materials     Materials Characterization    Quantum Physics and Engineering    Structural Physics     Soft and Solid Matter Physics    Energy Related Materials Engineering     Quantum and Energy System Engineering     Energy Quantum Beam and Materials Engineering    Energy Safety Engineering     EcoTopia-oriented Materials Engineering    Ecological Electronic Device Engineering     Energy System Materials and Recycling Engineering	
	Department of E Computer Scien	Electrical Engineering and ce	Power Engineering and Systems	
	Department of Mechanical Science and Engineering		Advanced Materials and Manufacturing     Thermo-Fluids and Environmental Engineering     Biomechanics and Human-Machine Systems    Micro-Nano Mechanical Systems     Mechatronics Design    Sensing and Control     Mechanical Engineering for Sustainable Society    Human Centered Design	
	Department of A	Aerospace Engineering	Aerodynamics and Propulsion	
	Department of (	Civil Engineering	Structural Engineering and Materials	
	Department of Crystalline Materials Science		Nano-Structured Device Engineering	
	Department of Energy Engineering and Science		Energy Materials and Device Engineering	
	Department of (	Quantum Engineering	Quantum Nanostructure Analysis	
		Micro-Nano Systems Engineering	Bio-Robotics Integrated Mechatronics Devices Micro-Nano Mechanical Science	
	Department of Molecular Design and Engineering		Organic Materials Design and Engineering    Materials Analysis and Engineering     Inorganic Materials Design and Engineering	
	Department of Computational Science and Engineering		Fundamental Computational Science and Engineering     Applied Computational Science and Engineering	
Graduate School of Bioagricultural Sciences	Department of Biosphere Resources Science		Division of Resources Cycling System Division of Bioresource Production and Agroecology Division of Regional Resources Management Division of Biological Material Sciences Division of Ecosystem Conservation	
	Department of E Functions	Biological Mechanisms and	Division of Biodynamics    Division of Molecular and Cellular Biology     Division of Biofunctions Development    Division of Bioresource Functions	
	Department of A	Applied Molecular Biosciences	Division of Biomodeling    Division of Biofunctional Chemistry     Division of Applied Biochemistry    Division of Applied Genetics and Physiology	
	Department of E	Bioengineering Sciences	Division of Biotechnology    Division of Socioeconomic Science of Bioagriculture     Division of Plant and Animal Production    Division of Plant Genomics     Division of Molecular Cell Function     Division of International Cooperation in Agricultural Sciences	

Graduate Schools	Departments	Courses / Fields
Graduate School of International	Department of International Development	International Development
Development	Department of International Cooperation Studies	• International Cooperation • Comparative Study of Legal and Political Systems • International Cultural Cooperation
	Department of International Communication	International Communication     Linguistic Information Systems     Language Education Sciences     International Languages and Cultures     Communication Sciences
Graduate School of Mathematics	Division of Mathematics	Fundamental Mathematics
Graduate School of Languages and Cultures	Department of Japanese Language and Culture	<ul> <li>Japanese Language and Cultural Studies</li> <li>Teaching Japanese as a Foreign Language</li> <li>Applied Linguistics</li> <li>Japanese Language Teaching Methodology</li> </ul>
	Department of Multicultural Studies	• Multicultural Studies • Contemporary Arts and Cultural Studies • American Studies • East Asian Studies • European Studies • Gender Studies • Media Professional Studies
Graduate School of Environmental Studies	Department of Earth and Environmental Sciences	• Global Environmental Variation • Earth Environmental Systems • Climate Science • Global Geochemistry • Geology and Geobiology • Geochemistry and Cosmochemistry • Earth and Planetary Physics • Earth and Planetary Dynamics • Chronology and Natural History • Radiation and Life Sciences • Global Water Cycle
	Department of Environmental Engineering and Architecture	Sustainable Urban Development
	Department of Social and Human Environment	• Environmental Policies • Economic Environment • Law and Politics • Sociology • Psychology • Geography
Graduate School of Information Science	Department of Computer Science and Mathematical Informatics	Mathematical Informatics
	Department of Information Engineering	Integrated Circuits and Systems
	Department of Media Science	Speech and Image Science Intelligent Media Engineering Cognitive Informatics     Architecture for Information Media Space
	Department of Complex Systems Science	Many-body Systems Science
	Department of Systems and Social Informatics	• Knowledge Society and Information Systems • Designing of Electronic Media and Society • Philosophy of Information • Architecture of Information Society
Graduate School of Pharmaceutical Sciences	Department of Basic Medicinal Sciences	Organic Chemistry

<sup>\*</sup>English names for the above departments, programs and courses are tentative.

## Global 30 International Programs Taught in English (Graduate)

Drograma	Affiliated Schools		Degree	
Programs			Doctoral	
Automotive Engineering Program(from 2015)	Graduate School of Engineering	•		
Biological and Bioagricultural Sciences Graduate Program	Graduate School of Science    Graduate School of Bioagricultural Sciences     Graduate School of Medicine	•		
Biological and Bioagricultural Sciences Graduate Program	Graduate School of Science    Graduate School of Bioagricultural Sciences		•	
Chemistry Graduate Program	Graduate School of Science    Graduate School of Engineering	•	•	
Graduate Program in Comparative Studies of Language and Culture	Graduate School of Languages and Cultures	•		
Graduate Program in Economics and Business Administration	Graduate School of Economics	•		
Medical Science Graduate Program	Graduate School of Medicine		•	
Physics and Mathematics Graduate Program	Graduate School of Science    Graduate School of Mathematics	•	•	
Japan-in-Asia Cultural Studies Program	Graduate School of Letters	•		

## Other International Programs (Graduate)

Programa	Affiliated Schools		Degree	
Programs			Doctoral	
Young Leaders' Program (YLP)	Graduate School of Medicine	•		
Global Environmental Leaders Program	Graduate School of Environmental Studies     Graduate School of Engineering	•		

## Staff

Otali		As of	May 1, 2013
Members	of the Board of Trustees		
Presiden	t		1
Trustees			7
Auditors			2
Staff (Full	-time)		
Faculty	Professors	648	(40)*1
	Associate Professors	510	(83)
	Associate Professors / Lecturers	105	(88)
	Assistant Professors	417	(260)
	Research Associates	8	
	Researchers	0	(165)
Specialist		1	
School Teachers at Affiliated Schools		39	
Administ	rative / Technical Staff*2	1,658	(459)
Total		3,396	(1,095)

<sup>\*1</sup> Data in parenthesis show the number of staff under limited-time contracts.

**Graduate Courses** 

As of May 1, 2013

## **Student Enrollment**

Undergraduate Courses Name of Schools / Graduate Schools Degree seeking Non-degree seeking 582 32 Education 321 Law 685 30

Total Degree seeking Non-degree seeking Letters 277 929 236 18 607 323 72 1,110 Economics 954 19 126 6 1,105 Informatics and Sciences 365 12 377 1,227 11 570 13 1,821 Science Medicine 1,553 64 1,004 46 2,667 Engineering 3,446 31 1,613 9 5,099 Agricultural Sciences 746 2 400 1,154 International Development 285 12 297 Mathematics 173 6 179 190 37 227 Languages and Cultures **Environmental Studies** 472 13 485 Information Science 366 10 376 Human Informatics 59 21 80 Pharmaceutical Sciences International Language Center 55 55 5 Others 5 Total 9,879 319 6,095 281 16,574



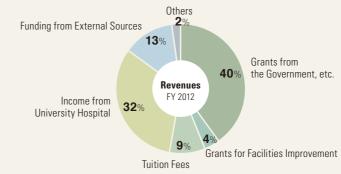


## **Degrees Conferred**

Name of Schools / Graduate Schools	Bachelor's Degree	Master's Degree	Doctor's Degree	Professional Degree
Letters	144	48	29	_
Education	80	55	21	_
Law	163	39	9	67
Economics	207	35	12	_
Informatics and Sciences	77	-	-	_
Science	262	181	48	-
Medicine	333	83	163	-
Engineering	766	605	95	_
Agricultural Sciences	172	156	28	_
International Development	-	76	19	-
Mathematics	-	59	10	-
Languages and Cultures	-	52	22	-
Environmental Studies	-	145	30	_
Information Science	-	124	21	-
Human Informatics	_	-	_	-
Total	2,204	1,658	507	67



## **Financial Outline**



Costs for Grants and Cooperative Research, etc.	Education and Research Costs
Facilities Improvement Costs 4% Expenditure FY 2012	
Hospital Expenditures 33%	

Revenues	FY 2012
Item	Amount (million yen)
Grants from the Government, etc.	40,204
Grants for Facilities Improvement	4,281
Tuition Fees	9,058
Income from University Hospital	32,014
Funding from External Sources	12,723
Others	1,455
Total	99,735

Expenditure	FY 2012
Item Am	ount (million yen)
Education and Research Costs	37,811
Hospital Expenditures	31,216
Facilities Improvement Costs	4,281
Costs for Grants and Cooperative Research, e	tc. 17,609
Others	4,643
Total	95.560

#### External Funding for Research and Education

External runding for Research and Education	1	FY 2012
Item	Number of Cases	Amount(thousand yen)
Grants-in-Aid for Scientific Research	2,641	7,772,477
Global COE Programs	4	820,672
Project for Establishing Core Universities for Internationalizat	ion (Global 30) 1	257,176
GP Grants from Government	9	1,178,188
Other Governmental Grants	232	4,231,099
Donations and Commissioned Research	4,047	10,023,486

<sup>\*</sup>Data are based on the book closed and including numbers / amounts received as research partakers.



<sup>\*2</sup> Data include medical staff of the University Hospital.

# **Highlights of Research and Education Programs**

World Premier International Research Center Initiative (WPI)				
Adoption of Year	Adoption of Year Center name Center Director			
2012	Institute of Transformative Bio-Molecules	Graduate School of Science Prof. ITAMI Kenichiro		

Globa	Global COE Program			
Adoption of Year	Field	Program Title	Program Leader	
2009	Interdisciplinary, Combined Fields, New Disciplines	From Earth System Science to Basic and Clinical Environmental Studies	Graduate School of Environmental Studies Prof. HAYASHI Yoshitsugu	

Progra	Program for Leading Graduate Schools			
Adoption of Year	Program Title	School		
2011	Integrative Graduate Education and Research Program in Green Natural Sciences	Graduate School of Science     Graduate School of Engineering     Graduate School of Bioagricultural Sciences		
2011	The Program for Cross-Border Legal Institution Design	Graduate School of Law		
2012	PhD Professional: Gateway to Success in Frontier Asia	All Graduate Schools (except for Graduate School of Pharmaceutical Sciences)		
2012	Leadership Development Program for Space Exploration and Research	Graduate School of Science     Graduate School of Engineering		
2013	Graduate Program for Real-World Data Circulation Leaders	Graduate School of Information Science Graduate School of Engineering Graduate School of Medicine Graduate School of Economics		
2013	Women Leaders Program to Promote Well-being in Asia	Graduate School of International Development     Graduate School of Education and Human Development     Graduate School of Bioagricultural Sciences     Graduate School of Medicine		

Re-Inv	Re-Inventing Japan Project			
Adoption of Year	Туре	Program Title	School	
2011	CAMPUS Asia Support for the Formation of a Core Center	Training Human Resources for the Development of an Epistemic Community in Law and Political Science to Promote the Formation of "jus commune" in East Asia	Graduate School of Law / School of Law     Center for Asian Legal Exchange	
2011	CAMPUS Asia Support for the Formation of a Core Center	A Cooperative Asian Education Gateway for a Sustainable Society: Expanding the Frontiers in Science and Technology of Chemistry and Material	Graduate School of Science     Graduate School of Engineering	
2011	Establishment Aid for Cooperative Education with Universities in the USA etc.	Japan-US Advanced Collaborative Education Program	Graduate School of Engineering     EcoTopia Science Institute	
2012	Support for the formation of Collaborative Programs with ASEAN Universities	Training a New Generation of Leaders in International Cooperation for the Development of the ASEAN Region	Graduate School of International Development Graduate School of Law / School of Law Center for Asian Legal Exchange Graduate School of Economics / School of Economics International Cooperation Center for Agricultural Education	

## **Housing for International Researchers and Students**







ternational Ohmeikan House

nternational Residence HIGASHIYAMA

Housing in Noyori Conference Hall

For International Researchers			
Name of the Housing	Facilities	Address	
International Residence HIGASHIYAMA (on campus)	15 rooms for single persons / couples (34m²) 2 rooms for families (51.84m²)	Furo-cho, Chikusa-ku, Nagoya, 464-8601	
Researchers Village HIGASHIYAMA (on campus)	2 rooms for families (76.45m²/78.33m²) 4 rooms for families (67.5m²)	Furo-cho, Chikusa-ku, Nagoya, 464-8601	
Researchers Village DAIKO (on campus)	14 rooms for single persons (28m²)	1-1-20 Daiko Minami, Higashi-ku, Nagoya, 461-0047	
Researchers Village YAKUMO	9 rooms for couples / families (53m²)	28-1 Yakumo-cho, Showa-ku, Nagoya, 466-0823	
Housing in Noyori Conference Hall (on campus)	3 rooms for single persons (50.98–54.15m²) 5 rooms for couples (81.01–91.10m²) 2 rooms for families (97.17m²/107.35m²)	1-1 Niza-cho, Chikusa-ku, Nagoya, 464-8601	
Idaka-cho Residence	26 rooms for single persons (21.06–21.99m²)	2-38 Kamenoi, Meito-ku, Nagoya, 465-0094	

<sup>\*</sup>We have some private housings outside campus.

For International Students			
Name of the Housing	Facilities	Address	
Foreign Students House	49 rooms for single persons (12.5m²) 5 rooms for couples (35m²) 2 rooms for families (50m²)	2-23 Tosei-cho, Showa-ku, Nagoya, 466-0026	
International Residence HIGASHIYAMA (on campus)	95 rooms for single persons (16m²) 25 rooms for couples (34m²)	Furo-cho, Chikusa-ku, Nagoya, 464-8601	
International Residence YAMATE	104 rooms for single persons (15m²) 112 rooms for single persons (7m²)	165 Takamine-cho, Showa-ku, Nagoya, 466-0811	
International Ohmeikan House	292 rooms for single persons *Japanese students are also housed in this dormitory.	165 Takamine-cho, Showa-ku, Nagoya, 466-0811	
Ishida Memorial International Residence MYOKEN	93 rooms for single persons (15.1m²)	40 Myoken-cho, Showa-ku, Nagoya, 466-0814	



# **Library Holdings**

The University Library is composed of the Central Library, the Medical Library, and departmental libraries. As of April 1st, 2013, the Library holds 3,195,432 volumes of books in total, including 1,508,397 foreign books, as well as a large amount of electronic resources and audio visual collections.

In order to support students' learning experiences, the library established a space called "learning commons" where students can learn in groups through discussion and receive personal guidance for using electronic resources and software.

## **Our Partner Institutions**

### **Academic Exchange Agreements**

- = Inter-University Agreement o = Inter-School Agreement
- Asia

#### **BANGLADESH**

- o Bangladesh Agricultural University
- o Bangladesh University of Engineering and Technology, Department of Physics
- o University of Dhaka, Faculty of Social Sciences
- SAARC Meteorological Research Centre

#### BHUTAN

o The Centre for Bhutan Studies

#### CAMBODIA

- Royal University of Phnom Penh
- The Royal University of Agriculture
- Royal University of Law and Economics

#### **CHINA**

- Nanjing University
- Jilin University
- Huazhong University of Science and Technology
- Tsinghua University
- Fudan University
- Xi'an Jiaotong University
- Zhejiang University
- Shanghai Jiao Tong University
- Tongji University
- Northeastern University
- Peking University Harbin Institute of Technology
- University of Science and Technology of China
- Chinese Academy of Sciences, the Shanghai Institute of Organic Chemistry
- The Chinese University of Hong Kong
- The University of Hong Kong
- o Central South University
- Beijing University of Technology
- Chinese Academy of Sciences, Purple Mountain Observatory
- o Chinese Academy of Sciences, National Astronomical Observatories
- o China University of Political Science and Law
- o Fast China Normal University
- College of Educational Science and Technology
- o Institute of Higher Education, Peking University
- O Chinese Academy of Social Sciences. Institute of Literature and Institute of Literature of National Minorities
- o Peking University, School of International Studies
- O China National School of Administration. Law Department and Political Science Department
- o East China University of Political Science and Law

- o Chinese Academy of Sciences. Institute of High Energy Physics
- Beijing International Studies University
- Naniing University of Aeronautics and Astronautics o Jiangsu Provincial Academy of Social Sciences (JSASS)
- Chinese Academy of Sciences. Institute of Process Engineering
- o Polar Research Institute of China
- Southwest Jiaotong University. School of Economics & Management
- Beijing Institute of Technology. School of Management and Economics
- Chinese Academy of Sciences. Research Center for Eco-Environmental Sciences
- Tianjin University, School of Management and School of Public Administration
- Chinese Academy of Social Sciences, Institute of Population and Labor Economics
- University of International Business and Economics, School of International Trade & Economics
- Chinese Academy of Sciences, Xinjiang Institute of Ecology and Geography
- Chinese Academy of Sciences. Shanghai Institute of Ceramics
- China Meteorological Administration. Institute of Desert Meteorology
- o Hainan University, Law School
- The Hong Kong University of Science and Technology. School of Engineering
- o Renmin University of China, School of Law
- Shenyang University of Technology
- o Sun Yat-sen University, Lingnan College
- Ministry of Health, P.R.China-Japan Friendship Hospital
- o Beijing Normal University, Academy of Disaster Reduction and Emergency Management. State Key Laboratory of Earth Surface Processes and Resource Ecology
- o Xiamen University, School of Law
- o Chinese Academy of Sciences, Institute of Theoretical Physics
- o Chinese Academy of Sciences. Institute of Geographic Sciences and Natural Resources Research
- Nanjin Normal University, School of Energy & Mechanical Engineering

#### INDIA

- University of Pune
- Indian Institute of Science, Bangalore
- Tata Institute of Fundamental Research
- Tata Institute of Fundamental Research. Natural Sciences Faculty
- o Indian Institute of Technology Madras
- Indian Institute of Technology Delhi

#### **INDONESIA**

- Gadjah Mada University
- The State University of Surabaya
- Institute Technology Bandung
- o Indonesian National Institute of Aeronautics and Space
- o Padjadjaran University, Faculty of Letters
- Sviah Kuala University, Faculty of Basic Science

- o Diponegoro University
- Agency for the Assessment and Application of Technology, Center for the Assessment and Application of Environmental Technology (BPPT)
- University of Indonesia, Faculty of Engineering
- o University of Indonesia, Faculty of Computer Science
- Sepuluh Nopember Institute of Technology

#### REPUBLIC OF KOREA

- Mokpo National University
- Gyeongsang National University
- Ewha Womans University
- Hanyang University Korea University
- Seoul National University
- Kyung Hee University
- Yonsei University
- Sungkyunkwan University
- Pohang University of Science and Technology
- Korea Advanced Institute of Science and Technology (KAIST)
- Korean Research Institute of Standards and Science. Astronomy Observatory
- Chungnam National University, College of Economics and Business Administration
- Korea University, College of Education Korea Maritime and Ocean University,
- College of Maritime Sciences and College of Engineering
- Korea Institute for Advanced Study, School of Mathematics
- Seoul National University, College of Law
- O Kyungnam University, Industry Academic Cooperation Foundation
- Sunkyunkwan University, School of Social Sciences
- Korea Legislation Research Institute
- o Pukyong National University, College of Fisheries Sciences
- o Pusan National University, College of Engineering
- Hankuk University of Foreign Studies. Graduate School and Graduate School of International Area Studies
- Seoul National University. School of Earth and Environmental Sciences
- Chonnam National University, College of Business Administration
- University of Seoul, College of Public Affairs and Economics
- Chonbuk National University. Institute for North-East Asian Law
- Korea Institute of Geoscience and Mineral Resources, Geologic Environment Research Division
- Kyungpook National University, Faculty of Engineering
- o Institute of Sunchang Fermented Soybean Products
- Korea Institute of Geoscience and Mineral Resources Geologic Environment Research Division
- Seoul National University Hospital
- Korean Space Weather Center
- Asan Medical Center

#### LAOS

- National University of Laos
- O National Agriculture and Forestry Research Institute, Lao P.D.R.
- Champasack University

#### MALAYSIA

- o MARA University of Technology, Faculty of Mechanical Engineering
- o Universiti Putra Malaysia, Faculty of Science

#### MONGOLIA

- National University of Mongolia
- Mongolian University of Science and Technology
- Health Sciences University of Mongolia
- o Mineral Resources and Petroleum Authority of Mongolia, Geological Information Center
- o National Legal Center of Mongolia
- o Mongolian University of Science and Technology, School of Geology and Petroleum Engineering
- o Mongolian Academy of Sciences, Institute of Geography
- o Mongolian Academy of Sciences, Institute of Philosophy, Sociology and Law
- o Institute of Meteorology, Hydrology and Environment, Mongolia
- o Mongolian State University of Education

#### **NEPAL**

o Kathmandu University, School of Science

### **PHILIPPINES**

- o University of the Philippines, Los Banõs
- o University of the Philippines, Diliman

### SINGAPORE

- o National University of Singapore, Alice Lee Centre for Nursing Studies Yong Loo Lin School of Medicine
- National University of Singapore, Business School

## THAILAND

- Kasetsart University
- Chulalongkorn University
- Chulabhorn Research Institute/Chulabhorn Graduate Institute
- o King Mongkut's University of Technology North Bangkok, Science Technology Research Institute

- VIETNAM
- Hanoi University of Technology Vietnam National University, Hanoi
- The Ministry of Justice
- of the Socialist Republic of Viet Nam
- Vietnam Institute of State and Law
- o Hanoi Law University
- o Ho Chi Minh City University of Law
- o Vietnamese Academy of Science and Technology, Ho Chi Minh City Institute of Resources Geography
- o Vietnam National University, Ho Chi Minh City, Faculty of Environmental Science, University of Science
- Foreign Trade University
- Hue University of Medicine and Pharmacy
- Vietnam Academy of Science and Technology, Institute of Mathematics

## TAIWAN

- National Taiwan University
- National Chengchi University

#### National Tsing Hua University

- National Chung Cheng University
- o National Chengchi University, College of Law
- o National Taiwan Normal University, College of Education
- o Soochow University, School of Law
- Soochow University, School of Foreign Languages and Cultures
- National Taiwan University.
- Department of Atomospheric Sciences o Taiwan Ocean Research Institute
- National Chiao Tung University, College of Electrical and Computer Engineering
- National Chung Cheng University. Center for International Affairs and Exchange

#### Pacific

### **AUSTRALIA**

- University of Sydney
- Monash University
- Flinders University • University of South Australia
- The University of Adelaide
- The Australian National University o The University of Melbourne, Asian Law Centre
- o Commonwealth Scientific and Industrial Research Organization, Ecosystem Sciences Division (CSIRO)

### NEW ZEALAND

- National Institute of Water and Atmospheric Research
- O University of Auckland, Center for Geophysical Research University of Canterbury, Faculty of Science

## Europe

**ARMENIA** Yerevan Physics Institute

- **AUSTRIA**
- The University of Innsbruck
- o Johannes Kepler University Linz, Faculty of Law The Medical University of Vienna
- o FH JOANNEUM Gesellschaft mbH University of Applied Science o University of Klagenfurt, Institute of Social Ecology,

## Faculty for Interdisciplinary Studies BULGARIA

- Sofia University, Department of Astronomy o Bulgarian Academy of Sciences,
- Space Research Institute, Space Astronomy Division o Bulgarian Academy of Sciences, Institute of Electronics

Bulgarian Academy of Sciences, Institute of Mathematics

- DENMARK
- University of Copenhagen

#### FINLAND

Finnish Meteorological Institute, Department of Geophysics

#### FRANCE

- Ecole Nationale des Ponts et Chaussées (ENPC)
- Université Paris Diderot-Paris 7
- Université Jean Moulin-Lyon 3
- Université Joseph Fourier (Université de Grenoble 1)
- Université Pierre-Mendès-France (Université de Grenoble 2)
- Université Stendhal (Université de Grenoble 3) • Institut National Polytechnique de Grenoble (INPG)
- (Université de Grenoble 4)
- Université de Strasbourg
- Université Paris-Est
- École Normale Supérieure de Lyon
- Fondation Maison des Sciences de l'Homme o Université Stendhal (Université de Grenoble 3)
- o Université de Paris-Sorbonne, Paris 4
- o Université Panthéon Assas, Paris 2
- Université de Provence, Aix-Marseille 1

Université Paul Cézanne, Aix-Marseille 3

- o École Nationale Supérieure d'Architecture Paris Val-de-Seine
- GERMANY
- Technische Universität München
- Albert-Ludwigs-Universität Freiburg
- University of Freiburg, Faculty of Economics and Behaivioral Sciences o Universität zu Köln, I Physikalishes Institut
- Pharmazie und Geowissenschaften
- Deutsches Zentrum f
  ür Luft-und Raumfahrt, Institut für Luft-und Raumfahrtmedizin
- o Albert-Ludwigs-Universität Freiburg, Medizinischen Fakultät
- o Ruhr-Universität Bochum, Fakultät für Physik und Astronomie, Fakultät für Elektrotechnik und Informationstechnik
- Bauingenieurwesen Freie Universität Berlin.
- Technische Universität Darmstadt, Fachbereich Bauingenieurwesen und Geodäsie

Forschungsstelle für Umweltpolitik (FFU)

o Universität Duisburg-Essen. Institut für Ostasienwissenschaften

der angewandten Forschung e.V.

o Université De Technologie De Belfort-Montbéliard

- Technische Universität Carolo-Wilhelmina zu Braunschweig
- Technische Universität Chemnitz
- RWTH Aachen
- O Johanes Gutenberg-Universität Mainz, Fachbereich fur Chemie,
- o Universität Ulm, Mathematik und Wirtschaftswissenschaften
- o Universität Regensburg, Juristische Fakultät o WWU Münster, Fachberich Chemie und Pharmazie
- Technische Universität Kaiserslautern, Fachbereich Architektur / Raum-und Umweltplanung /
- Wissenschaftszentrum Ost- und Südosteuropa Regensburg, Institute für Ostrecht München e.V. im
- Ruhr Universität Bochum, Fakultät für Mathematik
- Fraunhofer-Institut für Chemische Technologie, Fraunhofer-Gesellschaft zur Förderung

#### HUNGARY

O Hungarian Academy of Sciences, Institute for Legal Studies

#### ITALY

- National Institute of Nuclear Physics (INFN)
- University of Catania
- University of Bologna

#### KAZAKHSTAN

- Kazakh Humanitarian and Law University
- o Legislation Research Institute, Republic of Kazakhstan

#### LATVIA

Latvian State University

#### **NETHERLANDS**

- Wageningen University
- VU University Amsterdam, Faculty of Earth and Life Sciences

#### NORWAY

University of Oslo, Department of Physics

University of Tromso, Faculty of Science

#### POLAND

- University of Warsaw
- Medical University of Gdańsk
- Warsaw University of Technology
- o Polish Academy of Sciences. Institute of Geological Sciences, Krakow Research Centre

#### RUSSIA

- o Institute of Theoretical and Experimental Physics
- Ministry of Health of Russia. Institute of Biomedical Problems
- Lomonosov Moscow State University, Faculty of Physics
- o Russian Academy of Sciences, Siberian Division, Institute of Cytology and Genetics
- Moscow State Engineering and Physics Institute (Technical University-MEPhI)
- Russian Academy of Sciences, Institute of Computer Aided Design
- Russian Academy of Sciences, Far Eastern Branch. Institute of Cosmophysical Research and Radiowave Propagation (IKIR)
- o Russian Academy of Sciences, Siberian Division, Institute of Solar-Terrestrial Physics (ISTP)
- o M.V. Lomonosov Moscow State University. Department of Chemistry
- o Russian Academy of Sciences, Siberian Division, Institute of Cosmophysical Research and Aeronomy (IKFIA)

### **SPAIN**

· University of Barcelona

#### **SWEDEN**

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- Uppsala University
- Royal Institute of Technology
- Swedish Institute of Space Physics
- University of Lund, Faculty of Law
- o SAFER Vehicle and Traffic Safety Centre

### **SWITZERLAND**

- University of Geneva
- University of Bern. Interdisciplinary Center for general Ecology (IKAOe)

#### U.K.

- The University of Sheffield
- The University of Warwick
- University of Bristol
- University of London, School of Oriental and African Studies (SOAS)
- The University of Nottingham, School of Biosciences
- University of East Anglia, Faculty of Social Sciences, School of International Development
- The University of Manchester, Faculty of Life Sciences
- o University of Leicester, Department of Physics and Astronomy
- The University of Oxford, Department of Physics
- The University of Manchester. School of Environment and Development
- The University of Warwick
- The University of Edinburgh, School of Chemistry, College of Science & Engineering

#### UKRAINE

o Ukrainian Academy of Sciences, Institute of Theoretical Physics

#### **UZBEKISTAN**

- Tashkent State University of Law
- University of World Economy and Diplomacy
- o Samarkand State University, School of Law

#### North America

#### CANADA

- York University
- University of Toronto (The Faculty of Arts and Science)
- Université de Montréal
- Carleton University, Faculty of Sciences
- University of Toronto, Ontario Institute for Studies in Education (OISE)
- University of Victoria, Centre for Asia-Pacific Initiatives
- University of Ottawa,

School of International Development and Global Studies

#### USA

- Oberlin College
- North Carolina State University
- Harvard-Yenching Institute
- University of Cincinnati
- St. Olaf College
- Southern Illinois University, Carbondale
- University of Illinois at Urbana-Champaign
- New York University
- University of Chicago
- University of Kentucky
- University of Minnesota
- University of California, Los Angeles
- The University of North Carolina at Chapel Hill

- University of California, Davis
- University of California, Berkeley
- o University of Michigan, College of Engineering
- University of California, Los Angeles. Department of Education
- University of Houston, Cullen College of Engineering
- o University of California, Berkeley, Department of Physics
- University of North Carolina at Chapel Hill, School of Medicine
- University of California Berkeley. College of Natural Resources
- University of Alaska Fairbanks, Geophysical Institute
- National Oceanic and Atmospheric Administration, Space Environment Laboratory
- National Oceanic and Atmospheric Administration, National Geophysical Data Center
- Massachusetts Institute of Technology, Haystack Observatory
- Harvard University Medical School
- o Tulane University, School of Medicine
- University of Pennsylvania, School of Medicine
- University of California, San Diego, Center for Astrophysics and Space Sciences
- Colorado School of Mines
- o University of Alaska Fairbanks, Geophysical Institute
- Duke University, School of Medicine
- o Johns Hopkins University, School of Medicine
- o University of Wisconsin Law School
- o University of Wisconsin Law School, East Asian Legal Studies Center
- University of Maryland,
- Department of Mechanical Engineering
- University of Washington, Genetically Engineered Materials Science and Engineering Center
- University of California, Los Angeles, California NanoSystems Institute
- Northwestern University, Materials Research Institute
- University of California, Berkeley, Center for Global Metropolitan Studies
- Michigan State University, Department of Physics and Astronomy
- o Green Mountain College
- o University of California, Santa Barbara, Bren School of Science and Management
- o University of Michigan, Department of Chemistry
- o University of Michigan, College of Engineering. Macromolecular Science and Engineering Center
- o University of Pittsburgh, School of Education
- Ohio State University.
- Center for Cosmology and AstroParticle Physics, Department of Astronomy, College of Arts and Sciences
- University of Colorado Boulder. Laboratory for Atmospheric and Space Physics
- Virginia Polytechnic Institute and State University, Center for Space Science and Engineering Research

### Latin America and the Carribian

#### **ARGENTINE**

- National University of Rosario, Faculty of Biochemical and Pharmaceutical Sciences
- Luis F, Leloir, Campomar Foundation, The Research Institute of Biochemistry

#### **BOLIVIA**

o Universidad Mayor de San Andres, La Paz, Chacaltaya Cosmic Ray Observatory, Faculty of Sciences

#### BRAZIL

- Universidade de Brasília
- Universidade de São Paulo
- o Instituto Nacional de Pesquisas Espaciais
- o Fundação Joaquim Nabuco

#### **GUATEMALA**

o Del Valle de Guatemala University, School of Engineering

#### MEXICO

o Universidad de Sonora

### Middle East

## IRAN

University of Kurudistan, Faculty of Engineering

## **TURKEY**

- Bilkent University
- o Istanbul Technical University

## Africa

## **EGYPT**

- Cairo University Tanta University, Faculty of Engineering

### GHANA

University of Ghana, Faculty of Social Studies

### KENYA

African Institute for Capacity Development (AICAD)

### SOUTH AFRICA

South African Astronomical Observatory

#### Others (International Organization)

- Southeast Asian Regional Center for Graduate Study and Research in Agriculture (SEARCA)
- European Organization for Nuclear Research (CERN) • United Nations (Centre for Regional Development (UNCRD))

#### Others (Multilateral)

- Chulalongkorn University, Hanoi University of Science and Technology
- o Law School of Renmin University of China (China), Law School and College of Social Sciences of Sungkyunkwan University (Korea), Tsinghua University School of Law (China), Koguan Law School of Shanghai Jiao Tong University (China), Seoul National University School of Law (Korea) (Jus Commune Triangle Agreement for Academic Exchange)

#### Europe

#### GERMANY

 Ruhr-Universität Bochum, The Center for Plasma Science and Technology

#### North America

#### USA

 The University of Texas at Dallas, International Center for Advanced Materials Processing

## Agreements for Industry-**University Collaboration**

#### Europe

### U.K.

University of Warwick

## North America

### USA

North Carolina State University

**Agreements for** 

REPUBLIC OF KOREA

Sungkyunkwan University

Sungkyunkwan University,

Asia

Pacific

**AUSTRALIA** 

## Multilateral

 Mongolian University of Science and Technology (Mongolia), University of Toyama (Japan), Japan Geocommunications Co. Ltd (Japan)

International Joint Research

Center for Advanced Plasma Surface Technology

#### International Networks

- Collége doctoral franco-japonais
- The G8 University Summit
- Japan-UK Research and Education Network for Knowledge Economy Initiatives (RENKEI)

# **Education Bases**

- European Center (Freiburg, Germany)
- Technology Partnership, Inc. (North Carolina, USA)
- Field Research Center (Ulaanbaatar, Mongolia)

# • The University of New South Wales

- Academic Consortium 21 (AC21)
- . University Mobility in Asia and the Pacific (UMAP)
- OpenCourseWare Consortium
- Canada-Japan Strategic Student Exchange Program

# **Overseas Research and**

- Uzbekistan Office (Tashkent, Uzbekistan)
- Mongolia Office [Scheduled to be founded 2014]
- Centers for research and education in the field of law (Tashkent, Uzbekistan • Ulaanbaatar, Mongolia • Hanoi/ Ho Chi Minh, Vietnam • Phnom Penh, Cambodia • Yangon, Myanmar • Yogyakarta, Indonesia • Vientiane, Laos)
- Nagoya Endoscopy Training Center (Hue, Vietnam)

# **International Exchange**

## International Students by Country / Region

	•	
Asia	Bangladesh	26
ASIa	Bhutan	3
	Cambodia	45
	China	882
	India	14
	Indonesia	60
	Republic of Korea	184
	Laos	13
	Malaysia	54
	Mongolia	26
	Myanmar	19
	Nepal	13
	Pakistan	1
	Philippines	25
	Singapore	5
	Sri Lanka	6
	Taiwan	48
	Thailand	29
	Vietnam	54
	Subtotal	1,507
	Australia	3
D :::	Australia	3
Pacific	New Zealand	3
Pacific	New Zealand	
Pacific		3
	New Zealand Papua New Guinea	3 1 7
Pacific Europe	New Zealand Papua New Guinea Subtotal	3 1 7 2
	New Zealand Papua New Guinea Subtotal Armenia Austria	3 1 7
	New Zealand Papua New Guinea Subtotal Armenia Austria Azerbaijan	3 1 7 2 2 1
	New Zealand Papua New Guinea Subtotal Armenia Austria	3 1 7 2 2
	New Zealand Papua New Guinea Subtotal Armenia Austria Azerbaijan Bulgaria	3 1 7 2 2 2 1 2
	New Zealand Papua New Guinea Subtotal Armenia Austria Azerbaijan Bulgaria Croatia	3 1 7 2 2 1 2
	New Zealand Papua New Guinea Subtotal Armenia Austria Azerbaijan Bulgaria Croatia Czech Republic	3 1 7 2 2 1 2 1 2
	New Zealand Papua New Guinea Subtotal Armenia Austria Azerbaijan Bulgaria Croatia Czech Republic Estonia	3 1 7 2 2 1 2 1 2

	Greece	3
	Hungary	3
	Italy	2
	Kazakhstan	1
	Kyrgyz Republic	4
	Luxembourg	1
	Netherlands	1
	Norway	1
	Poland	5
	Romania	2
	Russia	7
	Serbia	1
	Slovak Republic	1
	Spain	3
	Sweden	8
	Switzerland	3
	U.K.	4
	Ukraine	1
	Uzbekistan	34
	Subtotal	135
North America	Canada	6
North America	United States	20
	Subtotal	26
Latin America	Argentina	1
and	Bolivia	3
the Caribbean	Brazil	13
	Chile	3
	Colombia	1
	Ecuador	2
	El Salvador	2
	Honduras	2
	Mexico	5
	Panama	1

	As of November 1	, 2013
	Peru	4
	Venezuela	2
	Subtotal	39
Middle East	Afghanistan	13
Middle East	Iran	3
	Iraq	1
	Israel	2
	Palestinian National Author	ity 1
	Saudi Arabia	1
	Syria	2
	Turkey	15
	Subtotal	38
Africa	Benin	1
Africa	Cameroon	2
	The Democratic Republi	c 2
		 8
	Egypt Ethiopia	2
	Ghana	4
	Kenya	4
	Madagascar	2
	Malawi	1
	Morocco	1
	Mozambique	1
	Nigeria	3
	Senegal	2
	Sudan	1
	Tunisia	
	Uganda	1
	Zambia	1
	Zimbabwe	1
	Subtotal	39
Total (91 Cour		
Total (91 Cour	tries / Regions) 1,	791

## Asia

	Going Abroad by Coun	<u> </u>		0 1	FY 2012
Asia	Bangladesh	3		Sweden	4
	Bhutan	1		Switzerland	3
	Cambodia	56		U.K.	24
	China	74		Uzbekistan	2
	India	4		Subtotal	101
	Indonesia	7	North America	Canada	10
	Republic of Korea	50	North America	United States	100
	Laos	15		Subtotal	110
	Malaysia	9	Latin America	Brazil	1
	Myanmar	1	and	Mexico	4
	Nepal	1	theCaribbean	Subtotal	5
	Philippines	4	Middle East -	Turkey	2
	Singapore	3	ivildale East	Subtotal	2
	Sri Lanka	1	Africa -	Cameroon	1
	Taiwan	3		Ethiopia	3
	Thailand	42		Kenya	1
	Vietnam	19		Malawi	1
	Subtotal	293		Namibia	4
	Australia	82		Subtotal	10
Pacific	Fiji	1	Total (45 Coun	tries / Regions)	605
	New Zealand	1			
	Subtotal	84			
F	Austria	3			
Europe	Belgium	1			
	Denmark	3			
	Finland	2			





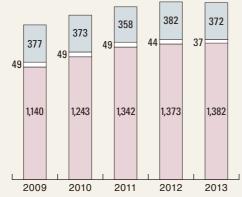
#### International Students by School

international Students by	As of November 1, 2013
School / Graduate School	
Letters	163
Education	79
Law	174
Economics	127
Informatics and Sciences	23
Science	83
Medicine	117
Engineering	394
Agricultural Sciences	63
International Development	196
Mathematics	13
Languages and Cultures	137
Environmental Studies	106
Information Science	65
Pharmaceutical Sciences	1
International Language Center	50
Total	1,791

### **International Students by Funding Source**

	2009	2010	2011	2012	2013
Government Sponsored	377	373	358	382	372
Sponsored by Foreign Governments	49	49	49	44	37
Self-Supporting	1,140	1,243	1,342	1,373	1,382
Total	1,566	1,665	1,749	1,799	1,791





### **Trends of International Exchange**

France

Poland Russia

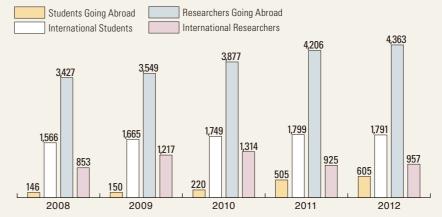
Germany Luxembourg Malta Netherlands

	2008	2009	2010	2011	2012
Students Going Abroad	146	150	220	505	605
International Students	1,566	1,665	1,749	1,799	1,791
Researchers Going Abroad	3,427	3,549	3,877	4,206	4,363
International Researchers	853	1,217	1,314	925	957

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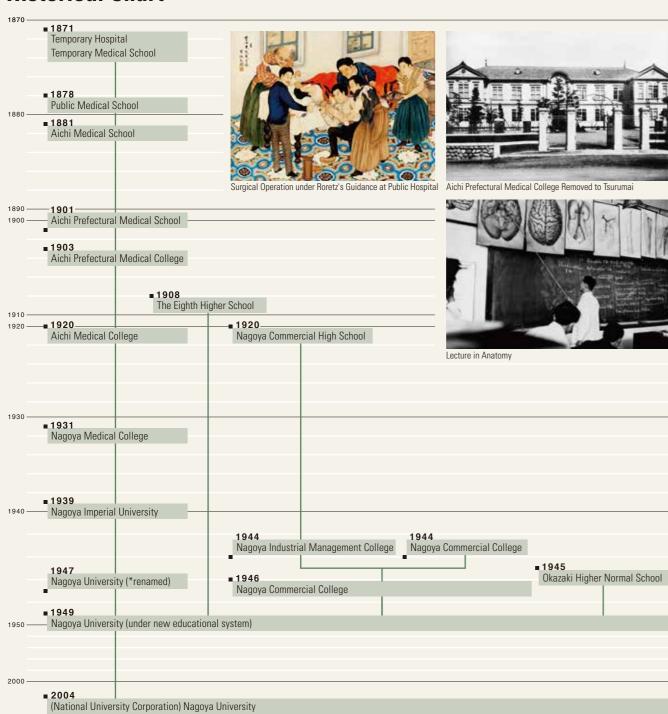
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## **Historical Chart**

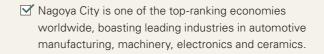


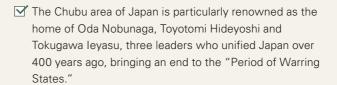


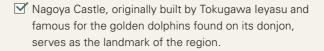


## The City of Nagoya















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Nagoya Noh Theater



Nagoya Port Triton



Nagoya City Art Museum



