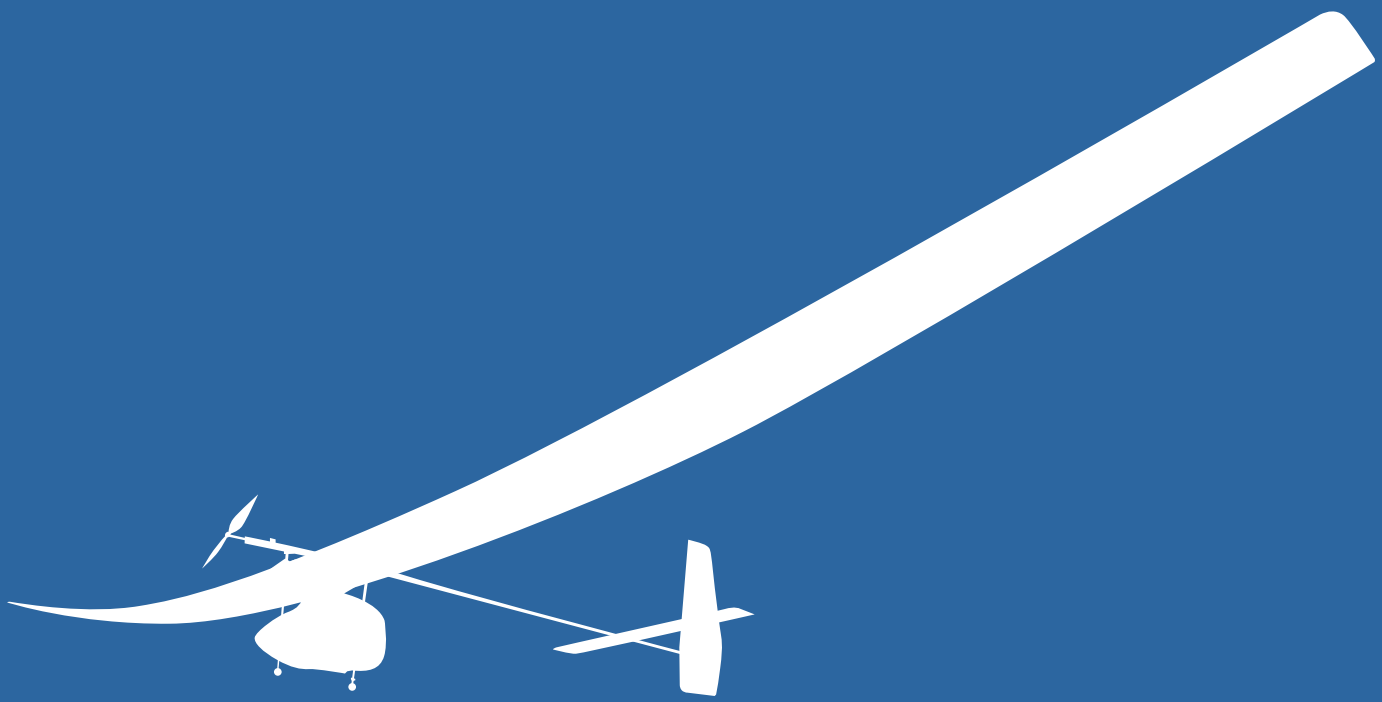
東京工業大学
TOKYO INSTITUTE of TECHNOLOGY
130th Anniversary in 2011

TOKYO INSTITUTE OF TECHNOLOGY

Profile 2011-2012



TOKYO INSTITUTE OF TECHNOLOGY

TOKYO INSTITUTE OF TECHNOLOGY

Symbol Mark

The seal of Tokyo Institute of Technology was designed in 1948 by Mr. Shinji Hori, then professor at the Tokyo Fine Arts School. The white portion represents the Japanese character [工] which is the first character of “engineering” [工業], and also describes the concept of a window, which is the second character of “school” [学窓]. The black part symbolizes a swallow, and represents the Japanese character [大] which is the first character of “university” [大学]. The design was originally adopted for staff badges and has been used throughout the University ever since. In 1981, at the University’s 100th anniversary, the design was formally adopted as the seal of Tokyo Institute of Technology. On that occasion, then Assistant Professor Ario Tejima of Tokyo University of the Arts, grandson of Prof. Seiichi Tejima, kindly cooperated in refining the design.

東工大 Acronym: Tokyo Tech,TIT, Tokodai , Titech

Tokyo Institute of Technology has been shortened to the following in recent years: “Tokyo Tech”, “TIT”, “Tokodai” and “Titech”.

School Color

In 2004, Tokyo Tech resolved that its school color would be royal blue, the color that stands for advancement and evolution.

Tokyo Institute of Technology’s official extracurricular student club, Meister
Aircraft for 2010: TSUBAME 2010
Flight distance: 18,556.82 m
Winner of the human-powered aircraft distance rally category in the 33rd Japan International Birdman Rally

Contributing to the World with Science and Technology

Kenichi Iga President

Tokyo Institute of Technology (Tokodai) is a top tier university, leading the world in Science and Technology. As one of Japan's most reputable institutions of higher learning, the Institute has undertaken education and research of the highest quality since 1881. Last year's 130th anniversary was a perfect reminder to refocus on our three pillars: People, Research and Contribution. Through the nurturing of creative people at the top of their scientific fields, and the promotion of cutting edge research, we always strive to contribute in meaningful ways to society.

The Institute has three undergraduate schools, six graduate schools, five leading laboratories and multiple research and education centers producing graduates who excel in conducting research that meets the demands of society and industry. Nothing gives us greater pleasure than to be the first preference when it comes to employers seeking to recruit top engineers, or students choosing a career in science and technology. Our faculties and departments are active in the most advanced fields and occupy an important position in the global academic community, thanks to their internationally recognized research.

We have initiated nine projects so far with the support of the Global Center of Excellence (G-COE) program, sponsored by the Ministry of Education, Culture, Sports, Science and Technology (MEXT), which will further enhance the functions of research and education in the university. The Institute also secured funding in 2005 as a super COE program from MEXT and established an Integrated Research Institute (IRI), which aggregates and disseminates knowledge across departments in order to create solutions for the future problems of society, from energy security to the effects of burgeoning medical costs. This project was a success and five research laboratories took up its function.

The Institute is also active through many educational programs. Seven projects were launched as part of the support program for improving graduate school education by MEXT. The Productive Leader Incubation Platform (PLIP) and Gender Equality Center began life in 2008. Emphasis on creativity as part of our educational philosophy has produced a great number of famous graduates, including Dr. Hideki Shirakawa, the 2000 Nobel Laureate in Chemistry. One key mission of the Institute is indeed to foster creativity in our students, but creativity built on a comprehensive grasp of the fundamentals of knowledge. The center for Monotsukuri (Making Things) embodies this with its unique hands-on programs that help give shape to ideas, supporting students to physically create and enjoy the sense of accomplishment that comes with building actual things.

Other noteworthy projects include the new upgrade of our supercomputer "TSUBAME," to Version 2.0, the fastest in Japan, and ranked 4th in the Top 500. This new machine was also awarded 2nd place in the Top Green 500.

We established the Global Edge Institute to train young researchers from all over the world, and expanded joint programs with overseas partner universities. The new library on Ookayama Campus and a new building in Suzukake-dai are being built to further improve collaboration. The recently opened alumni hall (Tokodai Kuramae Kaikan) is also a testament to the strength and importance of our alumni network as a channel to promote fruitful exchanges with society.

Tokyo Institute of Technology is open to the world. It is a matter of great pride that our research and educational activities have been given gradually higher ratings in international surveys over the years, for example, being ranked 57th in the QS 2011 World University Rankings, and 20th for Engineering/Technology. We will continue to be pioneers at the frontiers of technology, ready to meet the demands of an ever-changing world.

On March 11, 2011, Japan suffered the Great East Japan Earthquake.
In order to overcome the hardship, Tokyo Institute of Technology should contribute by offering our highest capacity of science and technology.

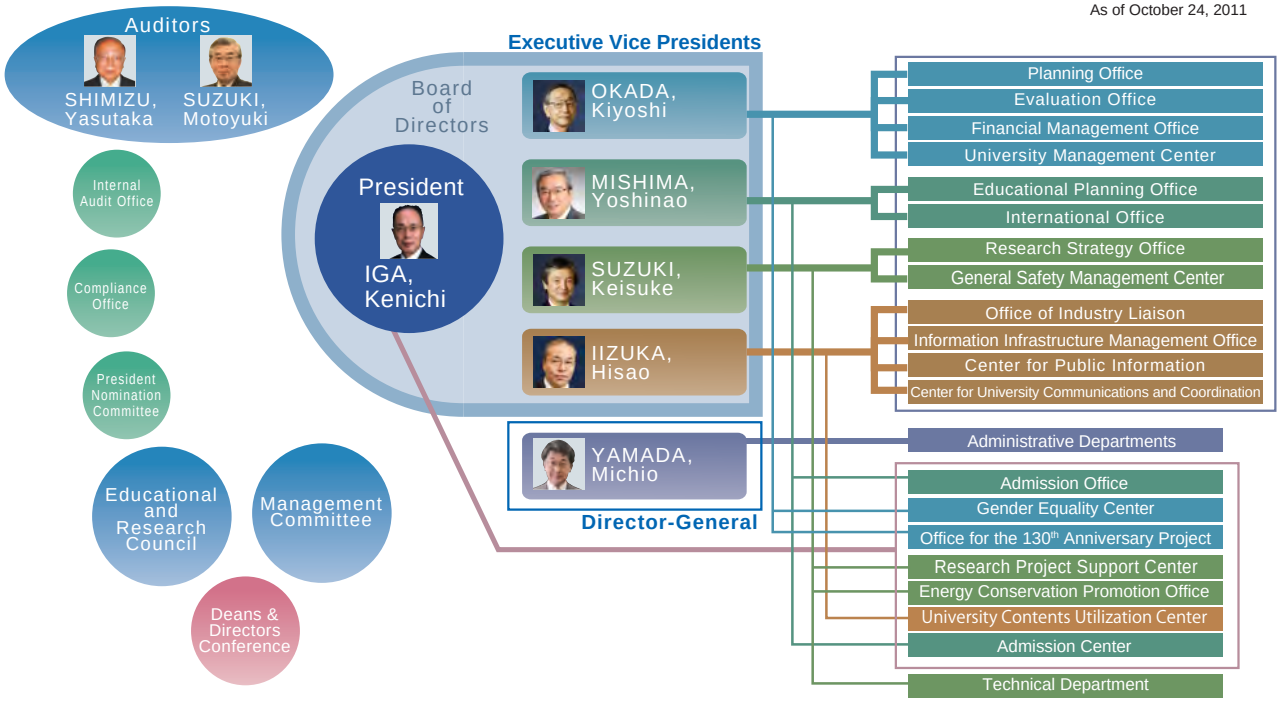
Main Building (Birthplace of the world's first quartz clock)

CONTENTS

ORGANIZATION

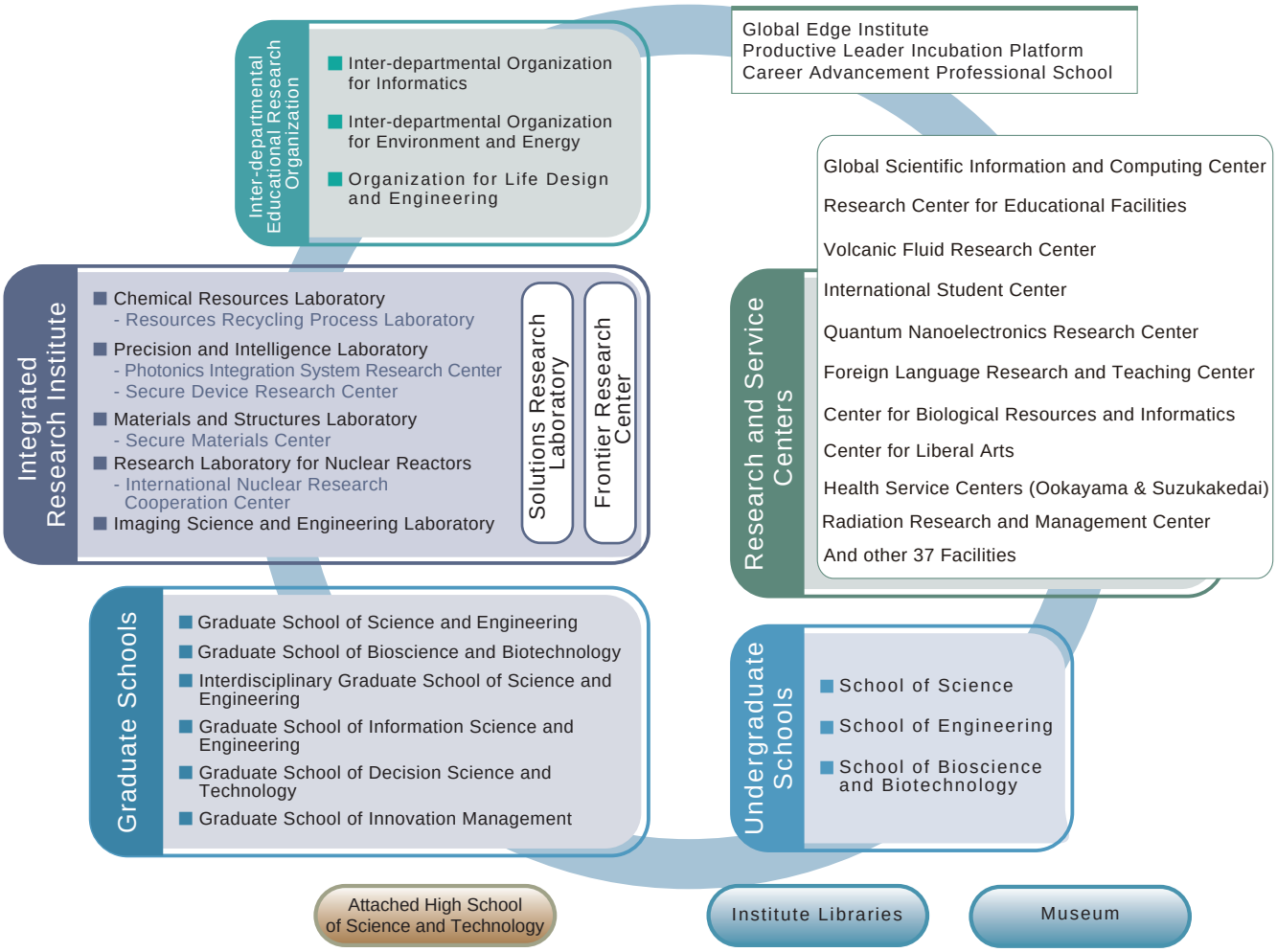
Administration

As of October 24, 2011



Academics

As of February 1, 2012



FINANCIAL DATA

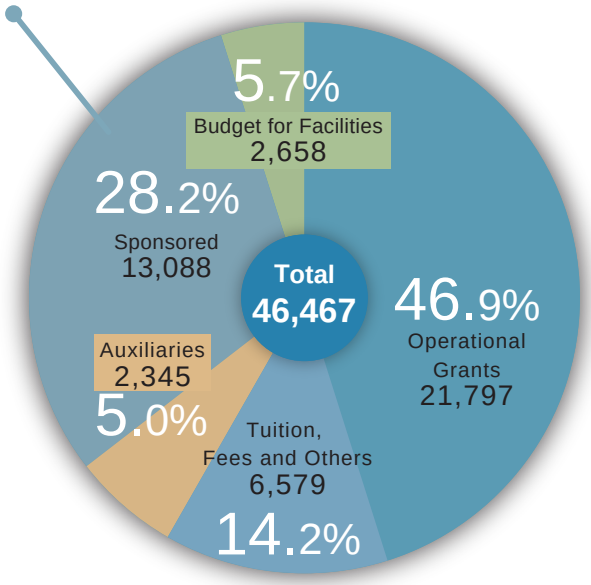
Budget FY2011

Revenue

(Unit: million yen)

Sponsored Funds consisting of grants and donations

Donation for Research	886
Sponsored/ Collaborative Research	5,176
Grants	7,026

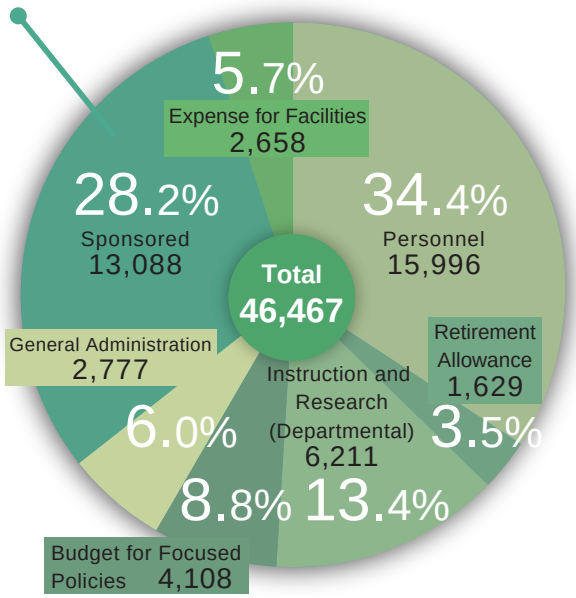


Expenditure

(Unit: million yen)

Sponsored Funds consisting of grants and donations

Donation for Research	886
Sponsored/ Collaborative Research	5,176
Grants	7,026



Financial Summary FY2011

Balance Sheet

(As of March 31, 2011)

(Unit : million yen)

Assets	Amount	Liabilities	Amount
Fixed Assets	224,714	Fixed Liabilities	27,163
Tangible Fixed Assets	219,033	Current Liabilities	21,974
Intangible Fixed Assets	482	Total	49,138
Others	5,197	Net Assets	
Current Assets	14,809	Capital Stock	179,557
Cash And Cash Equivalents	7,965	Capital Surplus	10,137
Others	6,844	Earned Surplus	677
		Others	13
		Total	190,385
Total	239,523	Total	239,523

(The fractions under one million yen are omitted.)

Income Statement

(April 1, 2010- March 31, 2011)

(Unit : million yen)

Account	Amount
Ordinary Expenses (A)	41,494
Operating Expenses	39,244
General and Administrative Expenses	2,088
Others	161
Ordinary Revenues (B)	41,879
Operational Grants	21,299
Tuitions and Fees	3,870
Sponsored / Collaborative Research	7,080
Donation for Research	1,216
Grants for Research	3,103
Others	5,309
Extraordinary Profit and Loss (C)	-
Reversal of Reserve for Specific Purposes(D)	-
Gross Profit (B-A+C+D)	385

(The fractions under one million yen are omitted.)

FINANCIAL DATA

Trends of Specific Funds

(As of May 1, 2011)

	Donation for Research		Sponsored Research		Collaborative Research		Grants-in-Aid for Scientific Research		Sum Total
	Number of Projects	Research Fund (in thousand yen)	Number of Projects	Research Fund (in thousand yen)	Number of Projects	Research Fund (in thousand yen)	Number of Projects	Research Fund (in thousand yen)	
1994	1,151	1,505,344	96	294,805	31	113,566	719	2,539,907	4,453,622
1995	1,165	1,514,461	110	934,342	32	81,506	860	3,429,317	5,959,626
1996	1,219	1,497,442	128	1,482,465	43	130,032	878	3,686,766	6,796,705
1997	1,153	1,373,547	179	1,980,309	61	313,719	883	3,922,595	7,590,170
1998	1,054	1,308,346	218	2,318,725	57	245,140	944	3,646,626	7,518,837
1999	1,058	1,073,273	216	2,715,194	81	369,526	943	3,892,840	8,050,833
2000	952	1,142,806	214	2,632,039	114	485,958	911	3,787,345	8,048,148
2001	916	1,002,015	175	1,416,838 (97,849)	149	551,852	901	4,219,317 (275,220)	7,190,022
2002	953	1,055,472	202	1,287,123 (61,264)	207	889,290	903	4,111,805 (355,830)	7,343,690
2003	929	1,040,681	238	2,519,600 (95,250)	264	863,578	885	4,387,534 (448,530)	8,811,393
2004	937	1,027,383	244	2,990,887 (215,869)	344	1,182,882 (174,146)	925	4,311,301 (422,517)	9,512,453
2005	856	1,067,970	260	3,837,512 (343,774)	423	1,309,985 (257,149)	926	4,646,263 (465,990)	10,861,730
2006	862	1,037,816	294	4,737,492 (484,671)	368	1,513,580 (317,323)	978	4,947,213 (625,438)	12,236,101
2007	869	982,818	309	5,478,090 (593,602)	447	1,787,062 (367,041)	973	5,023,916 (776,463)	13,271,886
2008	810	999,996	290	6,085,691 (724,971)	449	1,802,415 (377,330)	898	4,778,065 (838,992)	13,666,167
2009	653	934,860	310	5,390,329 (805,966)	416	1,458,526 (310,252)	927	4,914,463 (916,026)	12,698,178
2010	624	999,918	353	5,825,569 (814,374)	439	1,579,643 (323,503)	1,010	5,046,901 (1,066,431)	13,021,812

Note: Figures given in parentheses represent overhead costs included in the Research Fund.

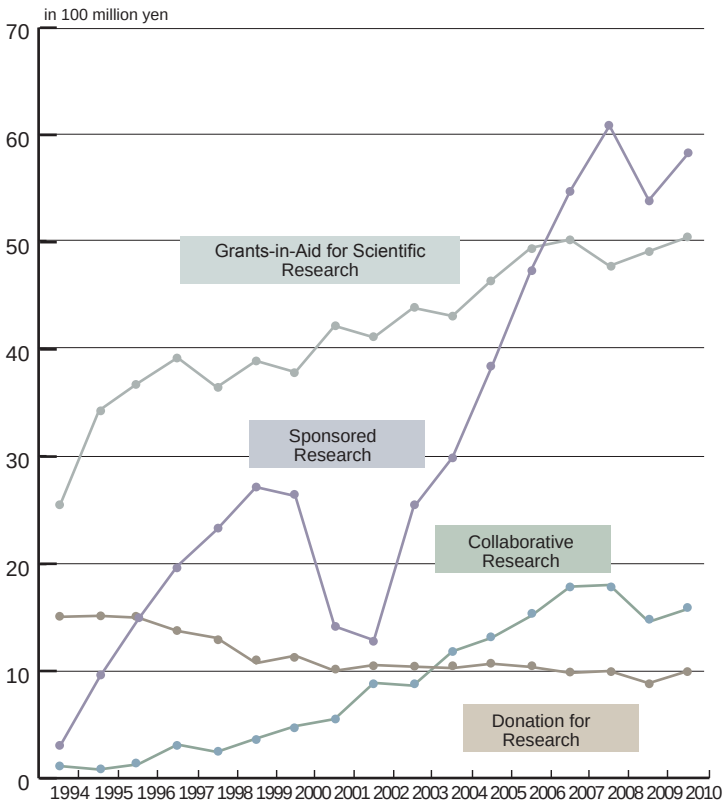
Grants-in-Aid for Scientific Research

FY2010

Area of Research	Number of Projects	Research Fund (in thousand yen)
Grant-in-Aid for Specially Promoted Research	4	397,930 (91,830)
Grant-in-Aid for Scientific Research on Priority Areas	40	338,900 (0)
Grant-in-Aid for Scientific Research on Innovative Areas(Research in a proposed research area)	38	519,740 (119,940)
Grant-in-Aid for Scientific Research on Innovative Areas(Research under a proposed research project)	6	60,320 (13,920)
Grant-in-Aid for Scientific Research (S)	21	821,340 (189,540)
Grant-in-Aid for Scientific Research (A)	76	1,047,020 (241,620)
Grant-in-Aid for Scientific Research (B)	157	885,040 (204,240)
Grant-in-Aid for Scientific Research (C)	140	201,370 (46,470)
Grant-in-Aid for Exploratory Research	61	86,800 (0)
Grant-in-Aid for Young Scientists (S)	4	62,010 (14,310)
Grant-in-Aid for Young Scientists (A)	30	191,620 (44,220)
Grant-in-Aid for Young Scientists (B)	177	281,840 (65,040)
Grant-in-Aid for Young Scientists(Start-up)	22	29,341 (6,771)
Grant-in-Aid for Creative Scientific Research	2	123,630 (28,530)
Grants-in-Aid for JSPS Fellows	236	170,890 (0)
Sum Total	1,014	5,217,791 (1,066,431)

Note: 1. Figures given in parentheses represent overhead costs included in the Research Fund.
2. JSPS stands for the Japan Society for Promotion of Science.

Trends of Funds



UNDERGRADUATE COURSES

School of Science (5 Departments)

(As of May 1, 2011)

http://www.sci.titech.ac.jp/

The School of Science is made up of 5 departments that are the pillars of scientific education. The goal is to provide our students with the expert knowledge, rigorous logical thinking and problem-solving abilities that are needed in this highly technological era.

Mathematics
http://www.math.titech.ac.jp/welcome-e.html

Physics
http://www.phys.titech.ac.jp/english/index.html

Chemistry
http://www.chem.titech.ac.jp/index-e.html

Information Science
http://www.is.titech.ac.jp/index-e.html

Earth and Planetary Sciences
http://www.geo.titech.ac.jp/english_index.php

School of Engineering (16 Departments)

(As of May 1, 2011)

http://www.eng.titech.ac.jp/index_e.html

The school of engineering has 70% of all students and covers 16 of the 23 departments, from group 2 to 6. The education is based on teaching strong fundamentals while fostering creativity. Students form teams that must identify problems and create ingenuous solutions in order to integrate the essential knowledge with new ideas and further design and manufacture real applications. Our graduates are expected to have "strong foundations in engineering", "the ability to communicate internationally" as well as "leadership skills", these elements, along with specialized subjects taught from year one, are woven into the curriculum, and it all spirals up from entrance to graduation.

Metallurgical Engineering
http://www.mtl.titech.ac.jp/metal-e.html

Organic and Polymeric Materials
http://www.op.titech.ac.jp/op/index-e.html

Inorganic Materials
http://www.ceram.titech.ac.jp/en/index-e.html

Chemical Engineering
http://www.chemeng.titech.ac.jp/english/index.htm
http://www.apc.titech.ac.jp/apc-e.html

Polymer Chemistry
http://www.op.titech.ac.jp/polymer/index-e.htm

Mechanical Engineering and Science
http://www.mech.titech.ac.jp/index.html

Mechanical and Intelligent Systems Engineering
http://www.mep.titech.ac.jp/mise.html

Mechano-Aerospace Engineering
http://www.mes.titech.ac.jp/index.html

Control and Systems Engineering
http://www.ctrl.titech.ac.jp/home-e.html

Industrial and Systems Engineering
http://www.me.titech.ac.jp/index-e.html

Electrical and Electronic Engineering
http://www.u.ee.titech.ac.jp/eng/index.html

Computer Science
http://www.cs.titech.ac.jp/cs-home-e.html

Civil and Environmental Engineering
http://www.cv.titech.ac.jp/e/index.html

Architecture and Building Engineering
http://www.arch.titech.ac.jp/index-e.html

Social Engineering
http://www.soc.titech.ac.jp/major_En/index.html

International Development Engineering
http://www.ide.titech.ac.jp/index.html

School of Bioscience and Biotechnology (2 Departments)

(As of May 1, 2011)

http://www.bio.titech.ac.jp/english/index.html

This faculty was established in 1990 to enhance education and research in the integrated field of bioscience and biotechnology. It consists of two departments: The Department of Bioscience and the Department of Biotechnology. A total of 150 students are accepted to the school every year. Generally 1st and 2nd year students study in Ookayama campus, moving to Suzukakedai campus from the 3rd year.

Bioscience
http://www.bio.titech.ac.jp/english/information/en_gakubu/en_kagakuka.html

Biotechnology
http://www.bio.titech.ac.jp/english/information/en_gakubu/en_kougakuka.html

GRADUATE COURSES

Graduate School of Science and Engineering (20 Departments)

(As of May 1, 2011)

Graduate School of Science http://www.sci.titech.ac.jp/

The faculty and students of the Graduate School of Science devote themselves day and night to research in new fields, driven by the sheer pleasure of discovery. Our education aims to develop the ability to look at the roots of problems and to solve the issues one by one through the rigorous application of logical thinking. From the nature of prime numbers to the principles of quantum computers, the ultimate structure of the universe, new nano elements or synthetic molecules, or the mysteries of the emergence of life on earth, our internationally recognized researchers produce leading-edge results in all the fields that have long fascinated mankind.

Graduate School of Engineering http://www.eng.titech.ac.jp/index_e.html

The Graduate School of Engineering covers 15 fields, and its teaching staff and students represent about 30% of the school. While teaching master courses is the main focus, we also work on leading edge research themes. We encourage our top students to continue on to Doctoral courses, for which we have our own Research Assistant budget, and through the Asia-Oceania Top University League on Engineering (AOTULE) and other exchange agreements with top overseas institutes we are able to provide our students with a strong international outlook. Similarly, our joint programme with the universities of Osaka and Nagoya offer the teaching staff opportunities for growth.

Mathematics

http://www.math.titech.ac.jp/welcome-e.html

Research Fields

Theory of Algebraic Structures, Algebraic Geometry, Geometry, Topology, Analysis, Global Mathematics

Physics (Particle-, Nuclear- and Astro-Physics)

http://www.phys.titech.ac.jp/english/index.html

Research Fields

Particle-, Nuclear- and Astro-Physics,Interdisciplinary Research in Fundamental Physics,Leading Edge Fundamental Physics**,Nuclear-Particle Physics Experiment,**Theoretical Few-body Physics**

Physics (Condensed Matter Physics)

http://www.phys.titech.ac.jp/english/index.html

Research Fields

Nanometer-scale Quantum Physics, Statistical and Surface Physics, Applied Physics, Molecular and Optical Physics, Experimental Research on Quantum Phenomena, Interdisciplinary Research in Condensed Matter Physics, Low Temperature Physics, Advanced Condensed Matter Physics**

Chemistry

http://www.chemistry.titech.ac.jp/english/index.html

Research Fields

Chemistry of Condensed Matter, Molecular Science, Organic Chemistry, Environmental Chemistry, Volcano Chemistry*, Emergent Molecular Functions**, Natural Product Synthesis**, Functional Materials**, Interfacial Physical Chemistry**, Hybrid Carbon Chemistry**

Earth and Planetary Sciences

http://www.geo.titech.ac.jp/english_index.php

Research Fields

Earth and Planetary Physics, Evolution of Earth and Planets, Origin of Solar System, Planetary Exploration

Chemistry and Materials Science

http://www.cms.titech.ac.jp/index-e.html

Research Fields

Material Structure, Chemical Transformations, Materials Design, Functional Materials, Physical Photochemistry**

Metallurgy and Ceramics Science

http://www.macs.titech.ac.jp/english/

Research Fields

Metal Physics, Metal Chemistry, Design of Alloys and Materials, Inorganic Functional Materials, Inorganic Environmental Materials, Ceramic Matrix Composites

Organic and Polymeric Materials

http://www.op.titech.ac.jp/index_e.html

Research Fields

Polymer Science, Soft Materials Science, Organic and Polymeric Materials, Laboratory for Innovation in Nanofibers funded by NEDO, Carbon Alloy Catalyst Engineering [Nisshinbo Industries Endowed Chair]***

Applied Chemistry

http://www.apc.titech.ac.jp/apc-e.html

Research Fields

Molecular Functions Design, Chemical Reactions Design

Chemical Engineering

http://www.chemeng.titech.ac.jp/english/index.htm

Research Fields

Process Analysis, Process Design, Process Operation, Information Analysis*

Mechanical Sciences and Engineering

http://www.3mech.titech.ac.jp/index_e.html

Research Fields

Thermal and Fluid Science, Dynamics Engineering, Design Engineering, Manufacturing Technology and Science, Mechanics of Solids and Structures, Material System Science

Mechanical and Control Engineering

http://www.3mech.titech.ac.jp/index_e.html

Research Fields

Creation for Intelligent Arts, Applied Materials and Mechanics, Energy Engineering, System Dynamics, Measurement and Control, Systems Control, Global Environment Engineering

Mechanical and Aerospace Engineering

http://www.3mech.titech.ac.jp/index_e.html

Research Fields

Advanced Thermo-Fluid Dynamics, Structural Design, Mechano-Creation

Electrical and Electronic Engineering

http://ee.titech.ac.jp/en.html

Research Fields

Autonomous Systems Engineering, Power Electronics Engineering, Communications and Transmissions Engineering, Photonic Devices Engineering*,Nanobiomagnetic Engineering,** Railway technology innovation and standardization [Endowed Chair by East Japan Railway Company]***

Physical Electronics

http://pe.titech.ac.jp/en.html

Research Fields

Advanced Electronics, Electrical and Electronic Materials Engineering, Integrated Devices, Quantum Device Physics*

Communications and Integrated Systems

http://www.ss.titech.ac.jp/index.html

Research Fields

Information System, High-Performance Integrated Systems, Communication Systems, Intelligent Networks*

Civil Engineering

http://www.cv.titech.ac.jp/e/index.html

Research Fields

Construction Engineering, Environmental Engineering, Infrastructure Planning

Architecture and Building Engineering

http://www.arch.titech.ac.jp/index-e.html

Research Fields

Principles of Architecture and Building Engineering, Planning in Architecture and Building Engineering, Design in Architecture and Building Engineering, Environments in Architecture and Building Engineering, Regional Facility Planning*

International Development Engineering

http://www.ide.titech.ac.jp/index.html

Research Fields

International Environment Engineering, International Infrastructure Engineering, Industrial Development System Engineering, International Co-existence*

Nuclear Engineering

http://www.nr.titech.ac.jp/graduate/index-e.html

Research Fields

Nuclear Energy*, Nuclear Materials*, Nuclear Systems and Safety*, Nuclear Back-Ends Engineering, Innovative Nuclear Reactors,International Nuclear Power Human Resource Training[Hitachi-GE] Chair Course***

Common Sections

Special Research Fields

Interdisciplinary Science (Interactive Research Center of Science),
http://www.ircs.titech.ac.jp/english/index.html
Engineering for Strategic Planning
http://www.fesp.titech.ac.jp

Note:1. * Conducted in alliance with collaborative professors and their research groups from other departments or schools on campus.
2. ** Conducted in alliance with visiting professors and their collaborative research groups.
3. *** Conducted in alliance with professors in endowed chairs and their research groups on campus.

Graduate School of Bioscience and Biotechnology (5 Departments)

(As of May 1, 2011)

http://www.bio.titech.ac.jp/english/index.html

The Graduate School of Bioscience and Biotechnology was established in 1992 and consists of 5 departments. Every year, around 100 students enroll in the master's course and 40 students in the doctoral course. This graduate school has initiated advanced researches in bioscience and biotechnology, such as biochemistry, medical science, pharmaceutical science, agriculture and engineering.

Life Science

http://www.bio.titech.ac.jp/english/information/en_grad/ls/index.html

Research Fields

Biodynamics, Structure and Function of Biomolecules, Bioinformation and Regulation, Life Science Frontier*, Molecular Genomics*, Advanced Bioscience**

Biological Information

http://www.bio.titech.ac.jp/english/information/en_grad/bi/index.html

Research Fields

Bioinformation and Medical Science, Bioregulation Sciences, Bioinformation Engineering, Bioinformation and Bioregulation*, Bioregulation Networks**

Biomolecular Engineering

http://www.bio.titech.ac.jp/english/information/en_grad/be/index.html

Research Fields

Biomaterial Physics, Biomaterial Design, Biofunctional Engineering, Biological Computational Chemistry*, Bio-organic Chemistry*, Advanced Biofunctional Engineering**

Biological Sciences

http://www.bio.titech.ac.jp/english/information/en_grad/bs/index.html

Research Fields

Biological Information and Biogenesis, Evolution and Comparative Biology, Cellular and Developmental Biology, Genome Structure and Function*

Bioengineering

http://www.bio.titech.ac.jp/english/information/en_grad/b/index.html

Research Fields

Cellular and Molecular Bioengineering, Biomolecular Process Engineering, Functional Bioengineering, Cellular Bioengineering*

Note: 1.Research fields marked with * are conducted in alliance with collaborative professors and their research groups from other departments or schools on campus.
2.Research fields marked with ** are conducted in alliance with visiting professors and their collaborative research groups.

Interdisciplinary Graduate School of Science and Engineering (11 Departments + IPER)

http://www.igs.titech.ac.jp/english/

(As of May 1, 2011)

The graduate school is composed of 11 departments, which are classified into three groups, and have no undergraduate program as it aims to be an interdisciplinary graduate school. Crossing over the three groups, the Innovative Platform for Education and Research (IPER) was established to conduct an advanced education and research in the doctoral program. The school has been pioneering new interdisciplinary fields for providing technologies required to create a sustainable society not only in Japan but also in all over the world.

Innovative and Engineered Materials

http://www.iem.titech.ac.jp/english/

Research Fields

Environmental Materials Engineering and Science

Research Fields*

Highly Functional Materials Engineering and Science, Transient Phase Material Science and Engineering

Electronic Chemistry

http://www.echem.titech.ac.jp/english/

Research Fields

Molecular Process, Material and Energy Conversion

Research Fields*

Complex and Electrochemistry, Catalytic Chemistry, Organoelectronic Chemistry, Bioelectronic Chemistry, Spectroscopic Chemistry, Solid State Chemical Physics

Materials Science and Engineering

http://www.materia.titech.ac.jp/English/index.html

Research Fields

Materials Structure and Functions, Quantum and Surface Materials Science

Research Fields*

Design of Environmentally Beneficial Materials, Materials Processing with Low Environmental Loads, Structure and Diffraction Physics, Electro Active Materials, Synergistic Materials, Materials Evaluation, Materials Structure Design, Frontier Materials Science

Environmental Science and Technology

http://www.depe.titech.ac.jp/english/english.html

Research Fields

Natural Environment, Social Environment

Research Fields*

Environment and Energy Engineering, Environment and Material Engineering, Environment and Structural Engineering, Environment and Safety Engineering, Process Systems Engineering, Frontier of Environmental Science and Technology

Built Environment

http://www.igs.titech.ac.jp/english/departments/enveng.html

Research Fields

Built Environment Evaluation, Human Environment and Urban Planning, New Frontier Infrastructure

Research Fields*

Urban Environment, Landscape Engineering

Energy Sciences

http://www.es.titech.ac.jp/

Research Fields

Energy Environment Science, Energy Conversion Engineering, High Energy Density Science

Research Fields*

Energy Environment System, Energy Conversion System, High Energy Density System

Environmental Chemistry and Engineering

http://www.igs.titech.ac.jp/english/departments/chemenv.html

Research Fields

Environmental Analysis and Engineering, Catalysis and Green Chemistry

Research Fields*

Environmental Molecular Arrangement, Chemical Process Design, Polymer Processes, Chemical Environmental Process Synthesis, Environmentally Benign Molecular Design, Environmental Biotechnology, Environmental Material Science

Electronics and Applied Physics

http://www.ep.titech.ac.jp/index-e.html

Research Fields

Advanced Electron Devices, Novel Functional Devices

Research Fields*

Imaging Materials, Photonic Devices and Systems, Material Physics and Engineering Frontiers, Intelligent Electronic Systems, Materials and Information Engineering Frontiers, Integrated Photonics

Mechano-Micro Engineering

http://www.igs.titech.ac.jp/english/departments/pms.html

Research Fields

Functionality Creation

Research Fields*

Precision Devices, Advanced Mechatronics, Secure Device

Computational Intelligence and Systems Science

http://www.dis.titech.ac.jp/index_e.html

Research Fields

Fundamental Intelligent System, Complex System Analysis, Emergent System

Research Fields

Computational Perception and Recognition, Brain Science, Neural Information Processing

Information Processing

http://www.ip.titech.ac.jp/index-e.html

Research Fields

Future-oriented Information Systems, New Functional Information Systems

Research Fields*

Perceptual Image Processing, Advanced Image Science, Sensory Information Systems, Advanced Wave Application Systems, Bioinformation Systems, Discrete Information Systems

Note: Research fields marked with * are conducted in alliance with collaborative professors and their research groups from other departments or schools on campus.

Innovative Platform for Education and Research (IPER)

- Doctoral Program in Innovative Platform for Education and Research
- Education and Research Core Groups

GRADUATE COURSES

Graduate School of Information Science and Engineering (3 Departments)

(As of May 1, 2011)

http://www.ise.titech.ac.jp/index.html.en

Along with the rapid increase of data creation and collection in all fields, both the scope and relevance of information technology are increasing. Beyond solving problems in natural sciences, students are also educated on how to apply information science to address societal issues. From the fundamentals of computer science and statistics to improving architectural design, software development or user interfaces, the unifying goal of each department of the Graduate School of Information Science and Engineering is to improve and harmonize the relationships between individuals, computers and society.

Mathematical and Computing Sciences

http://www.is.titech.ac.jp/index-e.html

Research Fields

Computing in Information Science (Mathematical Computing, Software Interfaces, Mathematical and Information Sciences), Mathematical Sciences (Mathematical Analysis of Discrete Structure, Mathematical Analysis on Nonlinear Structure, Statistical Science, Operations Research), Computing Science (Software Analysis, Software Organization), Foundation of Computing Science, Foundation of Software Science

Computer Science

http://www.cs.titech.ac.jp/cs-home-e.html

Research Fields

Integrated Information Systems (Software Environments, Multimedia Information Processing), Computer Systems (Dependable Computer Systems, Asynchronous Concurrent Systems, Advanced Archtectural Design), Advanced Computing, Software Engineering(Software Design, Computational Logic), IntelligentSystems (Knowledge Engineering, Inference Systems,Computational Linguistics, Pattern Recognition),Foundation of Computer Science, Information Networks

Mechanical and Environmental Informatics

http://www.mei.titech.ac.jp/index-e.html

Research Fields

Integrated Informatics for Mechanical and Environmental Systems (Acquisition and Utilization of Information, Informatics for Environmental Control, Informatics for Policy Science, Informatics for Social Systems), Human Information in Mechanical Engineering (Human Information in Mechanical Engineering, Application of Mechanical Information), Information-Driven Systems (Decentralized/ Cooperative Control Systems, Sensing for Mechano-Informatics), Environmental Systems Design (Geographic Information Systems, Intelligent Space Design, Intelligent Infrastructure Systems), Foundations of Mechanical and Environmental Informatics, Environmental Monitoring and Modeling, Coastal Environmental Studies, Robot Informatics

Graduate School of Decision Science and Technology (4 Departments)

(As of May 1, 2011)

http://www.dst.titech.ac.jp

Rapid technological developments - from information technology to biotechnology or genetic technology - are bringing society towards a new era of industrialization. While technology has created new opportunities and potential for human beings, it has also brought ethical and moral issues to the forefront, such as our growing impact on the environment. The Graduate School of Decision Science and Technology aims to identify those problems and formulate concrete ways to solve them, by designing and implementing a more effective interface between human society on one hand, and science and technology on the other.

Human System Science

http://www.hum.titech.ac.jp/index-e.html

Research Fields

Human Resource Development (Cognitive Science, Educational System Design, Human Resource Development for Science & Technology, Educational Evaluation), Human Dynamics Design (Motor Control and Health Design, Psychosomatic Science, Discursive Practices), Educational Technology (Learning Media Technology, Advanced Learning Systems),Science and Technology

Value and Decision Science

http://www.valdes.titech.ac.jp/English/

Research Fields

Value and Discourse (Value Structure, Representation Function, Value Representation, Discursive Formation), Socio-Mathematical Theory (Social System, Social Measurement), Decision-Making Process (Collective Decision Making, Politico-Economy, Political Decision)

Industrial Engineering and Management

http://www.me.titech.ac.jp/index-e.html

Research Fields

Development, Production, and Distribution Engineering (Fundamentals of Technology, Development Strategy, Human- Production Interaction, Process Evaluation), Managerial and Financial Engineering (Managerial Calculation), Mathematics and Information Systems (Management Mathematical Engineering, Management Information Systems), History, Philosophy and Social Studies of Science and Technology (History and Social Studies of Technology, History and Social Studies of Science, Logic and Methodology of Science and Technology)

Social Engineering

http://www.soc.titech.ac.jp/major_En/index.html

Research Fields

National Land and Urban Planning (Urban Planning, National Land and Social System), Public System Design (Public Policy, Mechanism Design, Public Space, Historical Landscapes, Global Environmental Policy), Social Engineering Basic Theory (Decision Theory, Applied Economics, Social System)

Graduate School of Innovation Management (2 Departments)

(As of May 1, 2011)

http://www.mot.titech.ac.jp/english/

Our mission is to educate practical leaders who can manage the innovation cycles, from leading edge technology development, to intellectual property management and business creation. We also work to produce innovative researchers in the field of technology management and innovation. Faculty members are developing new theories for the management of technology, and are studying at the frontiers of their fields in technology management strategy, intellectual property management, financial engineering, and service innovation.

Management of Technology**

http://www.mot.titech.ac.jp/english/

Research Fields

MOT Strategy, Intellectual Property Management, Finance Engineering, Service Innovation, Leading-Edge Science & Technology*

Innovation***

http://www.mot.titech.ac.jp/english/

Research Fields

MOT Strategy, Intellectual Property Management, Finance Engineering, Service Innovation

Note: 1.Research fields marked with * are conducted in alliance with collaborative professors and their research groups from other departments or schools on campus.
2.Department marked with ** offers Professional Master's Course.
3.Department marked with *** offers Doctoral Course.

INSTITUTE, LABORATORIES, AND CENTERS

Integrated Research Institute

(As of May 1, 2011)

http://www.iri.titech.ac.jp/english/index.html

New Integrated Research Institute (IRI) has started in April 2010 for integrated management of diversified research organizations at Tokyo Institute of Technology. IRI consists of research organizations of Chemical Resources Laboratory, Precision and Intelligence Laboratory, Materials and Structures Laboratory, Research Laboratory for Nuclear Reactors, Imaging Science and Engineering Laboratory, Frontier Research Center and Solutions Research Laboratory. Executive Vice President for Research is appointed to the Director-General of the IRI. IRI Board, consisting of IRI D-G and Directors of research organizations, sets basic policy for IRI operation and laboratories are managed accordingly. Frontier Research Center and Solutions Research Laboratory serve as platforms for organized collaborative research projects.
New IRI succeeds and further develops achievements attained by former IRI (FY2005-2009) supported by Program to Encourage Strategic Research Centers of MEXT's Coordination Fund for Promoting Science and Technology and acts to mobilize university wide research strength and power in close collaboration with diversified science base at Tokyo Institute of Technology.

Chemical Resources Laboratory

http://www.res.titech.ac.jp/~documents/english/index.html

The main mission of the Chemical Resources Laboratory is to explore both the fundamental science as well as the practical applications of the chemical utilization of natural resources. The Laboratory consists of various divisions covering a wide range of chemistry fields (organic chemistry, inorganic chemistry, physical chemistry, biochemistry, catalysis chemistry, polymer chemistry and chemical engineering). We focus on how to effectively use and recycle the limited natural resources of the earth without polluting our environment.

Research Fields

Inorganic Resources, Molecular Materials Design, Organic Resources, Bio-Resources, Catalytic Chemistry, Polymer Chemistry, Synthetic Organic Chemistry, Chemical Spectroscopy, Chemical System Synthesis, Process Systems Engineering, Chemistry for Inorganic Materials, Integrated Molecular Engineering, Smart Material, Materials for Energy Conversion [Toppan Printing]* Collaborative Research Organization**

Resources Recycling Process Laboratory

Basic and applied research on effective exploitation of resource on the earth. Research on utilization of photosynthetic microorganisms

Precision and Intelligence Laboratory (P&I Lab.)

http://www.pi.titech.ac.jp/index-e.html

The P&I Lab seeks to innovate through the synthesis of precision engineering and information science. It was founded in 1954 by combining the Research Laboratories of Precision Machinery and the Research Laboratory of Electrical Science. It is an interdisciplinary research organization with faculty members in information science, electronics, machinery and materials, focused on contributing to the progress of society by exploring synergies between existing fields and pioneering new ones.

Research Fields

Advanced Information Processing (Intelligent Information Processing, Information Processing and Recognition, Human Interface), Advanced Microdevices (Electron Devices, Optical Devices, Applied Acoustic Devices), Precision Machine Devices (Ultrafine Machining, Precision Machine Elements, Integrated Mechanisms), Advanced Mechanical Systems (System Control, Dynamic Systems, Intelligent Systems), Advanced Materials (Materials Design, Mechanics and Engineering Design, Advanced Materials Evaluation), Intellectual Property Utilization System**, Opto-Electronics Research**

Photonics Integration System Research Center

http://vcsel-www.pi.titech.ac.jp/index-e.html

Basic Research on Devices and Systems Toward Ultrahigh Speed Lightwave Communications and Ultraparallels Opto-Electronics

Secure Device Research Center

Interdisciplinary research and creation for secure devices are studied to develop the systems supporting the safety and security of the society.

Materials and Structures Laboratory

http://www.msl.titech.ac.jp/eng/index-e.html

The Materials and Structures Laboratory (MSL) is a unique nationwide collaborative research laboratory established in 1996. It is open to researchers from outside Tokyo Tech who wish to engage in multilateral collaboration and pursue fundamental and applied research on advanced inorganic materials and architectural structures.

Research Fields

Novel Functional Ceramics (Super Functional Thin Films, Oxide Nano-Technology, Quantum Functional Materials, Combinatorial Materials Science and Technology, Sugar Catalyst), Basic Researches (Thermal Analysis, Crystal Structure Analysis, Electronic Analysis, Superstructure Analysis, Materials Dynamics, Materials for Ultimate Environment), Structural Engineering for Buildings (Materials for Disaster Prevention, Structural Design, Materials for Buildings), Chemical Design**, Numerical Simulation of Impact Phenomena**, Seismic Isolation**

Secure Materials Research Center

http://www.msl.titech.ac.jp/~secure/index.html

We carry out research and development of safe and secure materials and fundamental technologies.Innovative material developments stand on the viewpoint of abundant are also the important topics.

Research Loboratory for Nuclear Reactors

http://www.nr.titech.ac.jp/WelcomeE.html

Founded in 1956, the Research Laboratory for Nuclear Reactors (RLNR) researches the scientific principles and application of nuclear engineering. Although relatively small in scale, the laboratory continues to achieve outstanding research results in nuclear energy and radiation utilization. It plays an important role in both research and the development of human resources in related fields.

Research Fields

Energy Engineering (High Density Energy Generation, High-Temperature Thermal-Energy, Energy Conversion, Thermo-Hydrodynamics of Functional Fluids, Environmental Energy Engineering**)
Mass Transmutation Engineering (Particle Beam Energy, Fuel Cycle, Mass Transmutation, Mass Separation, Geological Disposal Engineering**)
System and Safety Engineering (Ultra-Rapid Energy Phenomena, Energy-System Materials, System Safety, System Design, Treatment Engineering for Nuclear Waste**)

International Nuclear Research Cooperation Center

Promotion of International Nuclear Research Cooperation for Peaceful use of Nuclear Energy and Non-proliferation

Imaging Science and Engineering Laboratory

http://www.isl.titech.ac.jp/english/

The right information is the tasks as to how we quantify information in physical forms (photons, charges, spins, etc.) and reproduce ubiquitously to human being. Projection of physically-coded information in the human-perception parameter space gives rise to the concept of information imaging, which we pursue with research subjects that are critical for both fundamental and point of view. Activity of faculty members spread over various fields, incorporating physics, chemistry, electrical engineering, and information science.

Section of Research

●Image recording ●Image analysis ●Imaging system ●Applied imaging ●Intelligent system
● E-Government System-care Engineering by NTT-DATA Corporation

Note: Research fields marked with * are donated division. Research fields marked with ** are conducted in alliance with visiting professors and their collaborative research groups.

Solutions Research Laboratory

http://www.ssr.titech.ac.jp

Solutions Research Laboratory set up social and industrial issues that need to be implemented in the near future and work on them in cooperation widely with not only university members but also external organizations as systematic researches (solution research).

Research Centers

International Research Center of Advanced Energy Systems for Sustainability / Advanced Research Center for Social Information Science and Technology

Projects

Medical and Biotechnology / Nuclear Fuel Cycle / Green ICE Initiative / Neuro-Rehabilitation / Bio-Mass Chemical Resources / Clean Environment, etc.

Frontier Research Center

http://www.fcrc.titech.ac.jp/index.html

Frontier Research Center has been restructured as of April, 2010 so as to focus its function on promoting frontier researches being highly active in various fields at our institute in collaboration with other universities, research organizations, industries and the government. The center provides incentives and assistance to those who are leading such researches and also has a facility,open to public, to exhibit contents of such research activities.

INSTITUTE, LABORATORIES, AND CENTERS

RESEARCH AND SERVICE CENTERS

(As of May 1, 2011)

Health Service Center

http://www.gakumu.titech.ac.jp/gakuseisien/health/center/english/

Main Activities

Provides comprehensive health care services for students and staff, promoting physical and mental well-being of all at Tokyo Tech and maintaining environmental hygiene in the campuses.

Global Scientific Information and Computing Center

http://www.gsic.titech.ac.jp/en

Main Activities

Administers the supercomputing facility, authentication and authorization system for members of Tokyo Tech faculty, staff, and students, and the campus network system, which serve as the key computational and communication resource for advanced research, education, and administration. The center also collaborates with overseas partners to promote international exchange for research and education.

Research Center for Educational Facilities

http://www.rcfef.gh4.titech.ac.jp/center/index.htm

Main Activities

Researches the planning, design, and management of educational, cultural, academic, and sport facilities. Aims to improve their quality, providing all user groups with larger utility, and serving life-long learning in the community.

Volcanic Fluid Research Center

http://www.ksvo.titech.ac.jp/~eng/index.html

Main Activities

Research on volcanology, and observation of Kusatsu-Shirane and other active volcanoes. The Center also provides field studies on volcanology for students.

International Student Center

http://www.ryu.titech.ac.jp/english/

Main Activities

Offers courses on Japanese language and culture, consultation services to students, and promotion and support for Japanese students to study overseas. In addition, it also conducts research and surveys in order to make its programs more effective and meaningful.

Quantum Nanoelectronics Research Center

http://www.pe.titech.ac.jp/qnerc/index.shtml

Main Activities

Conducts research on photonic and electronic devices, opto-electronic devices using nanotechnology, quantum effects, developments of crystal grown and processing technologies, physics in quantum effect devices, and the design of integrated systems.

Foreign Language Research and Teaching Center

http://www.flc.titech.ac.jp/index_e.html

Main Activities

Runs the foreign language courses at the univesity and conducts basic and applied rsearch on linguistic theories, while exploring new methods of teaching foreign languages. Also acts as a medium for cross-cultural development on campus.

Center for Biological Resources and Informatics

http://www.grc.bio.titech.ac.jp/english/

Main Activities

The center consists of the research and support divisions. The research division is mainly involved in bioinformatics research on proteins, genomes and RNA. The support division provides research facilities and basic training programs for gene manipulation and animal care and use.

Center for Liberal Arts

Main Activities

The Center for Liberal Arts was established with the view of further improvment in humanities curricula for common undergraduate subjects and the promotion of liberal arts. In recruiting faculty members, Tokyo Tech broadly employs academics with intelligence of the time, whose lectures and seminars can deeply impress students.

Radiation Research and Management Center

Main Activities

The Radiation Research and Management Center supports research utilizing radioactive isotopes and X-Ray generators and/ or accelerators, which can be conducted at on-site experimental facilities in radiation controlled areas.
The center is a key organization at Tokyo Tech for providing radiation safety management and radiation related education and training.

Global Edge Institute

http://www.global-edge.titech.ac.jp/

(As of May 1, 2011)

This institute was founded in 2006 as a tenure-track and mentoring system. Excellent young researchers from all over the world are trained in an english-language environment, with the aim of realizing their independent research and creating an outstanding international research community. These junior faculty are provided with start-up funds for the first two years before working towards the acquisition of competitive funds by the third. An annual evaluation leads to a final assessment in the fifth year, which determines tenure, with either associate or full professorship.

Productive Leader Incubation Platform

(As of Feb 9, 2012)

Our mission is to help diversify the careers of young post-doctoral researchers beyond academia to the broader world of industry and new ventures. The Productive Leader Incubation Platform (PLIP) aims to equip its students with real skills; the ability to see beyond their fields to the global world, to set flexible goals, to create value from research seeds, to convincingly convey their thoughts or set up effective research teams. Interactions with industry also abound, as the "Fusion Project" offers a chance for students to present their research to R&D and HR professionals, while the "On Campus Training" program invites experts to give presentations on the state of the industry or share their experiences on how to turn ideas and research into business. Finally company visits through the "Innovation Tour" give researchers hands-on experience and the chance to network with industry researchers, while the "Value Creating Internship" allows students to work for at least 3 months in one of many participating companies.

Center for the Study of World Civilizations

http://www.cswc.jp/index_eng.php

(As of May 1, 2011)

What do we need to connect science with the happiness of people? To do so is to learn from the wisdom of our predecessors, which served as the backbone of various civilizations, and to gain deep insights into the nature of humanity. To conduct research into this field, the Center for the Study of World Civilizations was founded in 2006. The Center comprises two academies; the Academy of the Humanities and the Academy of the Arts. Through a wide range of events such as classes, lectures and seminars, the Academy of the Humanities shares with students, faculty members, staff and citizens, the formation of values and ideas which are the essence of human civilizations. The Academy of the Arts aims to promote sensitivity and imagination that can foster growth of civilizations through a wide range of creative activities. The Center has a mission of which looks far ahead to the future, setting the direction that modern civilizations should take, and making proposals both within the University and to the World at large.

Technical Department

(As of may 1, 2011)

With the increasing sophistication in research education, supporting research at Tokyo Tech is also becoming more sophisticated and specialized. On this basis, the Technical Department consolidates Technical Staff at the University and fosters and secures high ability staff to provide effective professional service in technological areas. The Department is comprised of nine technical centers, and contributes to the development of Tokyo Tech.

Career Advancement Professional School

(As of may 1, 2011)

In order to proactively explore the connection with society and to enforce the function of policy recommendation based on science and technology, the Career Advancement Professional School aims to develop original continued education from the viewpoint of enhancing contributions to and cooperation with the community,. It provides continuing education programs in the field of science and technology not only to pursue high technology in which Tokyo Tech has always excelled, but also to broaden peoples' knowledge, and cater for the industrial circle's needs for advanced techniques.

Energy Conservation Promotion Office

(As of October 1, 2011)

The objective of the office is to raise awareness about energy saving, and for faculty, staff and students to practice energy conservation together. The Energy conservation Promotion Office plans and implements a set of measures for energy conservation, and engages in communication, coordination and information collection to maximize energy saving at Tokyo Tech.

Gender Equality Center

(As of February 1, 2012)

A pressing concern in worldwide science and technology is the gender imbalance that exists in education and research. The Gender Equality Center at Tokyo Tech works to support university members to create an environment in which male and female students and staff can express their full potential in an environment of mutual respect. Actions are implemented based on Tokyo Tech's policy to promote gender equality. These include a support program of baby sitter dispatch for all teachers, staffs and students, the hiring of assistants to help with research and teaching for faculty with child and elder care needs, and a support and advisory service for women. The Center also organizes various events encouraging girls to step into studies and to encourage young female researchers to keep studying in science and technology. These efforts will create and maintain well-balanced gender-equal- communities in science and technology in the future.

The Research Project Support Center

(As of December 1, 2011)

The Center was established as a university-wide organization for the purpose of systematically promoting and running projects based on the research philosophy and research strategy of Tokyo Tech. The Center has a framework that strategically incorporates its multiple functions,such as project planning, acquisition of research funds, implementation,and operation,evaluation, exploitation and expansion of research outcomes, social cooperation, PR strategy, etc... The Center provide a "research support request" service for suiting the needs of all researchers, .
The "Research Support Office" which is one of the organizations of the Center and provides project support and arrangement, open a "Research Support Service Desk" to offer further assistance to faculties and various inquiries regarding research.

General Headquarters for 130th Anniversary Project

(As of may 1, 2011)

This General Headquarters plans and lays out the framework for the implementation of events to commemorate Tokyo Tech's 130th anniversary. It also pursues coordination with a wide range of programs and organizations, and cooperation with the community. The General Headquarters for the 130th Anniversary Project has a sub-organization, the Tokyo Tech fund organization (東工大基金機構), which is comprised of two organizations, a fund-raising headquarters (東工大基金募金本部) and an acting committee (東工大基金運営委員会). The fund raising headquarters raises money for the Tokyo Tech fund with the cooperation of a support association (東工大基金支援会). The acting committee makes decisions on the use of the fund in an appropriate and transparent manner.

Logo

The lustrous sphere of the logo represents engineering, mechanical parts, smoothness and cleanliness, and symbolizes a highly sophisticated organization.

The catch copy of creating the future with science and technology, is our strong message that, with this view on future, who moves the world is Tokyo Institute of Technology.

東京工業大学
130
TOKYO INSTITUTE OF TECHNOLOGY
科学と技術で未来を創造する

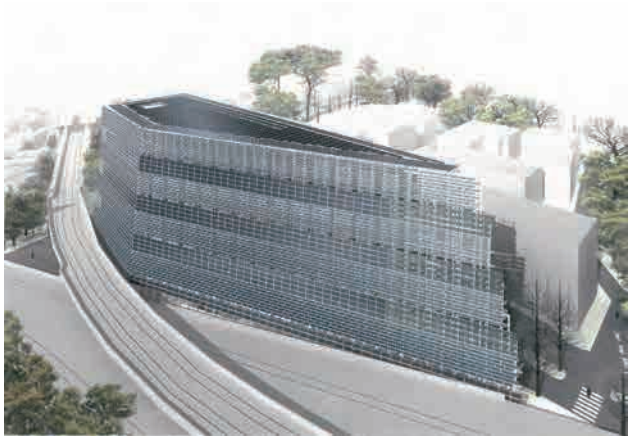
INSTITUTE, LABORATORIES, AND CENTERS

University-Industry Cooperation Tower (J3 Bldg)

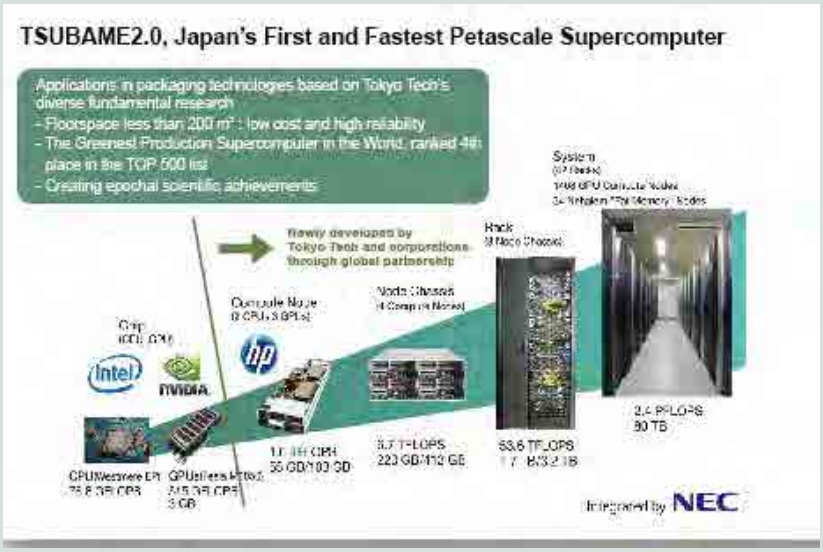
With a view to vitalize university-industry cooperation, the new building called University-Industry Cooperation Tower(J3 Bldg) is under construction at Suzukakedai Campus in order to provide facilities for university-industry cooperative research.

Green Hills Bldg.1 (Environmental Energy Innovation Bldg)

This building is equipped with high efficiency photovoltaic generation panels and fuel cell devices. In addition, super-insulating materials significantly reduce CO_2 emissions comparing to other laboratory buildings. Research and education related to a wide range of energy and environment issues will take place here, and achievements will be widely promulgated as Tokyo Tech's contribution to building a low carbon society.

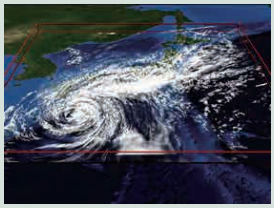


TSUBAME 1.0 evolves into TSUBAME 2.0



160 teraflops (TSUBAME1.2)
→
2,400 teraflops (TSUBAME2.0)

- 17,664 CPUs +4,224 GPUs
- Memory Total: 80TB
- 7PB HDD
- 81 racks
- 335 m² floor area
- Maximum power consumption: 1.4 MW
- Weight: approximately 72 tons



Atmospheric model calculation example

In November 2010, TSUBAME2.0 was ranked 4th in the TOP 500 list and named as the Greenest Production Supercomputer in the World

Inter-departmental Organization for Informatics

Promotes education based on the solutions to advanced and varied research challenges in informatics through cooperation among faculties from a variety of departments

Informatics related organizations at Tokyo Institute of Technology

Graduate School of Science and Engineering
Communications and Integrated Systems

Interdisciplinary School of Science and Engineering
Computational Intelligence and Systems Science
Information Processing

Graduate School of Information Science and Engineering
Mathematical and Computing Sciences
Computer Science
Mechanical and Environmental Informatics

Imaging Science and Engineering Laboratory
Global Scientific Information and Computing Center
:

Activities

- **Develops management plans for Informatics related organizations**
- **Conducts trial interdisciplinary education programs**
  - **Biological Information**
  - **Human-centered Informatics**
  - **Robot Informatics**
  - **Leading Information Technology Specialists**
  - :
- **Conducts continuing education programs**
- **Establishes new research programs**
- **Public relations**

New Organization for Informatics

Graduate Schools and Laboratories
External Educational/Research Organizations

Inter-departmental Organization for Environment and Energy

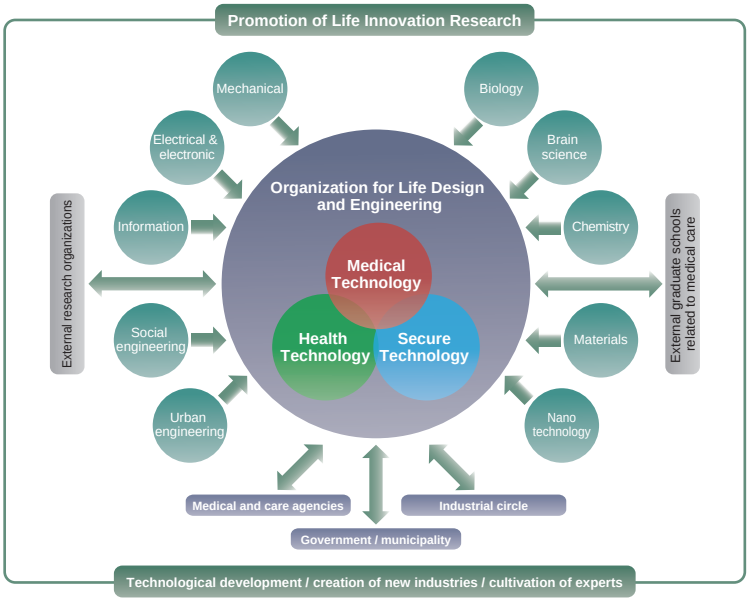
A joint organization of faculty members from the energy environment fields, the Inter-departmental Organization for Environment and Energy, was established in November 2009. It aims to create groundbreaking innovative technologies through interdisciplinary cooperation within Tokyo Institute of Technology. The Inter-departmental Organization for Environment and Energy also promotes the development of human resources and technologies, and contributes to the resolution of future energy and environmental issues.

INSTITUTE, LABORATORIES, AND CENTERS

Organization for Life Design and Engineering

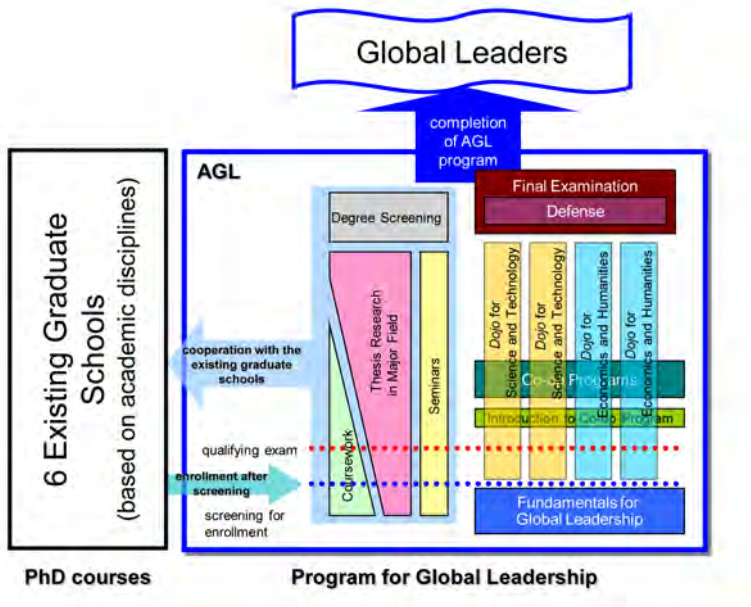
(As of October 1, 2011)

By calling for participation of Tokyo Tech faculty members from all research fields, the Organization for Life Design and Engineering organized academics into three research groupings ; medical technology, health technology and secure technology. The organization's activities are:
- To establish an information network between faculties and a researcher platform for new research development based on a fusion of diverse ideas
- To organize on and off campus seminars, workshops, and symposia for information exchange and R&D trend spotting related to life innovation
- To promote collaborative research by boosting cooperation with medical institutions and external research organizations
- To implement cross-sectional educational programs of life innovation by frequently organizing university-industry fora and regional technological seminars
- To foster experts who can respond to R&D and lead necessary innovations to deal with the aging society and a falling birthrate



Academy for Global Leadership: AGL

The Academy for Global Leadership cultivates the abilities of selected PhD candidates to become top leaders who can effectively take the initiative in business, economy, politics, or academia throughout the world. Under the AGL program, linguistically and personally diverse scholars from multiple academic disciplines work collaboratively in their assigned *Dojo* to complete a unified project. Within this cooperative educational style, participants hone the skills necessary to become global leaders, such as cooperative engagement, creative problem-solving, open-mindedness and international awareness. This integrated doctoral education program is closely connected to the research and education conducted in Tokyo Tech's existing graduate schools under which the highest educational levels are attained.



INSTITUTE LIBRARIES, TOKYO TECH HIGH SCHOOL OF SCIENCE AND TECHNOLOGY, AND ACCOMMODATIONS

Institute Libraries (Ookayama Library and Suzukakedai Library)

http://www.libra.titech.ac.jp/welcome_e.php

Boasting the foremost collection in Japan of science and technology journals, the Institute Libraries have served as one of the government-appointed National Centers for Overseas Periodicals in these fields since 1977. The libraries annually collect a great number of worldwide journals with e-journals and conference proceedings, supporting and facilitating the research of users both on and off campus. The library website provides the ability to search multiple databases, and since 2007 the Tokyo Tech Research Repository (T2R2) has been aggregating all the education and research activities of the institute in a unified system of data storage, management and dissemination. Finally a brand new building opened in July 2011.

New Library (2011)

Tokyo Tech's Museum

http://www.cent.titech.ac.jp/

Tokyo Tech's Museum opened in April 2011, which is primarily housed in the Centennial Hall. Founded in 1987 the Centennial Hall collected, studied, preserved and showcased historic materials on University's research and education in order to utilize them for future development. Additionally, the Centennial Hall has hosted various academic events for researchers, graduates and students.

Tokyo Tech High School of Science and Technology

(As of May 1, 2011)

http://www.hst.titech.ac.jp/english/

About 2% of high schools in Japan are specially supported by the government to promote high standards in science education. Tokyo Tech High School of Science and Technology has been officially designated as an SSH (Super Science High School) since 2002, which means that a focus on science and technology is present at all levels of learning, in order to better prepare the students for university and science careers. Indeed a few select students smoothly move on to Tokyo Tech each year, enjoying the continuity of science education they have been especially prepared for.

	High School of Science and Technology				
	Admission	Enrollment			
		1st year	2nd year	3rd year	Total
Department of Science and Technology	200	202(32)			202(32)
Applied Chemistry Course			40(9)	39(10)	79(19)
Information Systems Course			40(1)	39(1)	79(2)
Mechanical Systems Engineering Course			41(3)	40(4)	81(7)
Electrical and Electronics Course			40(7)	41(2)	81(9)
Architectural Design Course			37(9)	30(15)	67(24)
Total	200	202(32)	198(29)	189(32)	589(93)

Note: Figures given in parentheses represent the number of female students.

International House and other Accommodations

Tokyo Tech offers designated accommodation for students and researchers, providing easy access to each of the three campuses.

International House

Located at the south end of Ookayama campus, International House provides researchers from overseas with an apartment to live, supporting residents in their daily lives in Japan.

Umegaoka Dormitory

Accomodation for international students, located in Aoba-ku, Yokohama. It is within walking distance from Fujigaoka Station on the Tokyu-Den'entoshi line.

Shofu Dormitory

Another dormitory for international students, also located in Aoba-ku, Yokohama. The nearest station is Aobadai on the Tokyu Den'entoshi line.

Senzokuike International House

A women's dorm for both international and domestic students. Women researchers may also be accommodated. It is within a 15 minute walking distance from the Ookayama campus.

Shofu Gakusha (Dorm)

A dormitory for domestic male students, located next to Shofu Dormitory.

Tokyo Tech Nagatsuta House

A dormitory for international students, located in Midori-ku, Yokohama. The nearest station is Nagatsuta on the Tokyu Den'entoshi Line.

Tokyo Tech Aobadai House

A men's dorm for both international and domestic students. Male researchers may also be accommodated. It is located inside Shofu Gakusha.

House	Resident	Type of Accommodation	Number of Rooms	Area (m^2)
International House	International Researchers	Family	12	56
		Couple	15	39
		Single	73	18
Umegaoka Dormitory	International Students	2 persons	10	40
		Single	50	12.5
Shofu Dormitory	International Students	2 persons	5	40
		Single	46	12.5-13.75
Senzokuike International House	International and Domestic Students and Researchers (Women only)	2 persons	48	14.49-17.76
		Single	6	17.76
Shofu Gakusha	Domestic Male Students	Single	144	13
Tokyo Tech Nagatsuta House	International Students	Single	124	7
Tokyo Tech Aobadai House	International and Domestic Students and Researchers (Men only)	Single	16	13

International House

Umegaoka Dormitory

Shofu Dormitory and Shofu Gakusha

Senzokuike International House

STAFF/STUDENT NUMBERS

Number of Staff

(As of May 1, 2011)

		The Board				Research and Teaching Staff								Office and Technical Staff				Total
		President	Executive Vice President	Auditor	Sub Total	Professor	Associate Professor	Lecturer	Assistant Professor	Research Associate	High School Teacher	High School Assistant	Sub Total	Administrative Staff	Technical Staff	Others	Sub Total	
The Board		1	4	2	7													7
Graduate School	Science and Engineering (Science)					50	39		60	3			152					152
	Science and Engineering (Engineering)					107	101		112	1			321					321
	Bioscience and Biotechnology					25	18	3	34	2			82					82
	Interdisciplinary Graduate School of Science and Engineering					46	41	4	36	2			129					129
	Information Science and Engineering					28	24	3	22				77					77
	Decision Science and Technology					28	25		23				76					76
	Innovation Management					9	3		1				13					13
Chemical Resources Laboratory						9	11	1	25				46					46
Precision and Intelligence Laboratory						12	16		19				47					47
Materials and Structures Laboratory						10	14		10				34					34
Research Laboratory for Nuclear Reactors						9	10		13				32					32
Imaging Science and Engineering Laboratory						6	2		3				11					11
Frontier Research Center						6							6					6
Solutions Research Laboratory						7	1						8					8
Research and Service Centers						32	26	3	13	1			75			4	4	79
High School of Science and Technology											42	6	48					48
Administration Bureau														468		3	471	471
Technical Department															89		89	89
Total		1	4	2	7	384	331	14	371	9	42	6	1,157	468	89	7	564	1,728

Project-Based/Adjunct Staff

(As of May 1, 2011)

			Professor	Associate Professor	Lecturer	Assistant Professor	Others	Total	Visiting Professor	Visiting Associate Professor	Total
Instructors (including professors)	250	→	114	53	5	59	18	249		1	1
Researchers (including research professors)	257	→	8	4	1	15	229	257			
Lecturers	217	→					9	9	152	56	208
Education/Research Assistants	41										
Clerical Staff (fixed-term)	249										
Technical Staff (fixed-term)	88										
Research Associates on Projects	22										
Assistants (short-time)	502	→					502	502			
Total	1,626	Total	122	57	6	74	758	1,017	152	57	209

Research Staff in FY2010

	Researchers from Industrial Firms (Sponsored Research)	Researchers from Industrial Firms (Collaborative Research)	Trainees from private universities and others	Project Researchers	JSPS Fellows (Japan Society for the Promotion of Science)				Total
					PD	DC2	DC1	Total	
Graduate School of Science and Engineering (Science)	1	2			13	20	20	53	56
Graduate School of Science and Engineering (Engineering)	15	17			12	19	21	52	84
Graduate School of Bioscience and Biotechnology	2		1		3	5	7	15	18
Interdisciplinary Graduate School of Science and Engineering		10			3	8	12	23	33
Graduate School of Information Science and Engineering		5				1	1	2	7
Graduate School of Decision Science and Technology		1			3	5	3	11	12
Graduate School of Innovation Management	1							0	1
Chemical Resources Laboratory	1	13			4	3	2	9	23
Precision and Intelligence Laboratory	1	2			3	2	6	11	14
Materials and Structures Laboratory		1			2	2	2	6	7
Research Laboratory for Nuclear Reactors		1			1	1		2	3
Imaging Science and Engineering Laboratory	1							0	1
Frontier Research Center		12				2	4	6	18
Solutions Research Laboratory		7				1	1	2	9
Global Scientific Information and Computing Center							2	2	2
Center for Biological Resources and Informatics	1							0	1
Quantum Nanoelectronics Research Center					2		1	3	3
Research Project on Nanofiber Technology		2						0	2
innovative Research Initatives		2						0	2
Total	23	75	1	0	46	69	82	197	296

Visiting Researchers in FY2010

Affiliation	
Graduate School of Science and Engineering(Science)	10
Graduate School of Science and Engineering(Engineering)	62
Graduate School of Bioscience and Biotechnology	3
Interdisciplinary Graduate School of Science and Engineering	17
Graduate School of Information Science and Engineering	18
Graduate School of Decision Science and Technology	10
Chemical Resources Laboratory	15
Precision and Intelligence Laboratory	7
Materials and Structures Laboratory	4
Research Laboratory for Nuclear Reactors	9
Imaging Science and Engineering Laboratory	3
Frontier Research Center	20
Solutions Research Laboratory	1
Global Scientific Information and Computing Center	2
International Student Center	1
Total	182

	Countries	
Asia	China	43
	Korea	23
	India	15
	Thailand	8
	Indonesia	6
	Japan	4
	Philippines	3
	Bangladesh	3
	Malaysia	3
	Vietnam	2
	Mongolia	1
	Singapore	1
	Myanmar	1

	Countries	
North America	U.S.A.	7
	Canada	2
Central and South America	Mexico	1
Europe	Germany	13
	U.K.	5
	Spain	5
	France	4
	Italy	3
	Czech	3
	Finland	3
	Denmark	2
	Bulgaria	2
	Russia	2
	Uzbekistan	1
	Estonia	1
	Netherlands	1

	Countries	
Europe	Kazakhstan	1
	Switzerland	1
	Slovakia	1
	Slovenia	1
	Poland	1
Oceania	Austraria	2
Middle -East	Iran	1
	Turkey	5
Africa	Egypt	1
Total (38 Countries)		182

STAFF/STUDENT NUMBERS

Undergraduate Students

(As of May 1, 2011)

Department		Admission Quota	Enrollment										Grand Total
			1st year		2nd year		3rd year		4th year		Total		
			M	F	M	F	M	F	M	F	M	F	
School of Science	Total	185	201 (3)	15 (0)	179(6)	15 (2)	162 (0)	23(2)	247 (3)	26 (0)	789 (12)	79 (4)	868(16)
	Mathematics	25			24(1)	3(1)	26	1	41(1)	3	91 (2)	7(1)	98(3)
	Physics	54			61(1)	3	53	5(1)	73 (2)	3	187 (3)	11(1)	198(4)
	Chemistry	37			28(1)	5 (1)	33	7	42	7	103(1)	19(1)	122(2)
	Information Science	34			38(2)	1	22	3(1)	49	3	109(2)	7(1)	116(3))
	Earth and Planetary Sciences	35			28(1)	3	28	7	42	10	98(1)	20	118(1)
	1st year		201 (3)	15 (0)							201 (3)	15	216 (3)
School of Engineering	Total	733	754 (28)	84(6)	665 (23)	81(10)	725 (34)	69 (13)	881 (58)	106 (24)	3,025 (143)	340 (53)	3,365 (196)
	Metallurgical Engineering	33			31(2)	6 (1)	31	1	34	2	96 (2)	9(1)	105 (3)
	Organic and Polymeric Materials	20			21	1	22 (2)	4(1)	26 (2)	1	69 (4)	6(1)	75 (5)
	Inorganic Materials	30			33	4	32	2	32(1)	5	97 (1)	11	108 (1)
	Chemical Engineering	70			60(1)	14(4)	64 (2)	8	86 (5)	8 (2)	210 (8)	30 (6)	240 (14)
	Polymer Chemistry	30			32(1)	3 (1)	28	4	28 (2)	6	88 (3)	13(1)	101 (4)
	Mechanical Engineering and Science	52			46	7(1)	53(3)	5 (2)	60 (3)	9(2)	159 (6)	21 (5)	180 (11)
	Mechanical and Intelligent Systems Engineering	40			42(3)	1	34 (1)	1	57 (3)	3(2)	133 (7)	5(2)	138 (9)
	Mechano-Aerospace Engineering	40			35	1	45 (1)	3	41 (1)	3(1)	121 (2)	7 (1)	128(3)
	Control and Systems Engineering	43			46 (3)	3(1)	52 (2)	1(1)	57 (7)	3	155 (12)	7 (2)	162(14)
	Industrial and Systems Engineering	36			33	6	39(1)	4	39 (1)	6 (3)	111 (2)	16 (3)	127(5)
	International Development Engineering (former)								11 (5)	4 (3)	11 (5)	4 (3)	15(8)
	International Development Engineering	40			26 (10)	2 (2)	23 (4)	8(8)	31(10)	6(6)	80 (24)	16(16)	96(40)
	Electrical and Electronic Engineering	82			90 (2)	1	91 (8)	6 (1)	118 (7)	6 (3)	299 (17)	13(4)	312(21)
	Computer Science	102			79 (1)	7	112 (9)	0	147 (8)	4	338 (18)	11	349(18)
	Civil Engineering (former)								2 (1)	1	2 (1)	1	3(1)
	Civil and Environmental Engineering	34			28	3	28 (1)	6	30 (2)	13(1)	86 (3)	22(1)	108(4)
	Architecture and Building Engineering	45			35	13	40	12	37	16(1)	112	41(1)	153(1)
	Social Engineering	36			28	9	31	4	45	10	104	23	127
	1st year	20*	754 (28)	84 (6)							754 (28)	84(6)	838(34)
School of Bioscience and Biotechnology	Total	150	136 (1)	39 (2)	115(1)	23 (2)	129 (3)	28 (2)	147 (1)	37(1)	527 (6)	127 (7)	654(13)
	Bioscience	75			54(1)	7	58 (1)	12(1)	69	17	181 (2)	36(1)	217 (3)
	Biotechnology	75			61	16(2)	71(2)	16 (1)	78(1)	20(1)	210 (3)	52(4)	262 (7)
	1st year	10*	136 (1)	39 (2)							136 (1)	39 (2)	175 (3)
Grand Total		1,068	1,091 (32)	138 (8)	959 (30)	119 (14)	1,016 (37)	120 (17)	1,275 (62)	169 (25)	4,341 (161)	546 (64)	4,887 (225)

Note: 1.Figures marked with * represent the number of transfer students moving into the 3rd year.
2.Figures given in parentheses represent the number of students from abroad.

	School of Science		School of Engineering										School of Bioscience and Biotechnology	
	Group 1		Group 2		Group 3		Group 4		Group 5		Group 6		Group 7	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F
1st year	201	15	88	13	115	16	228	16	234	13	89	26	136	39

Note: Regarding the relationship between the groups and the departments, please refer page 29.

Research Students

(As of May 1, 2011)

	Graduate School of Science and Engineering (Science)	Graduate School of Science and Engineering (Engineering)	Graduate School of Bioscience and Biotechnology	Interdisciplinary Graduate School of Science and Engineering	Graduate School of Information Science and Engineering	Graduate School of Decision Science and Technology	Graduate School of Innovation Management	Chemical Resources Laboratory	Precision and Intelligence Laboratory	Materials and Structures Laboratory	Research Laboratory for Nuclear Reactors	Other Research Centers	Total
Japanese Students	6	11	2	7	2	0	0	0	5	1	1	1	36
Students from abroad	2	21	1	16	3	8	1	0	6	1	0	10	69
Total	8	32	3	23	5	8	1	0	11	2	1	11	105

Graduate Students

(As of May 1, 2011)

	Department	Master's Course							Master's Course Total	Doctoral Course								Doctoral Course Total
		Admission	Enrollment							Admission	Enrollment							
			1st year		2nd year		Total				1st year		2nd year		3nd year		Total	
			M	F	M	F	M	F			M	F	M	F	M	F	M	F	
Graduate School of Science and Engineering	Total	664	659(70)	101(35)	696(56)	104(26)	1,355(126)	205(61)	1,560(187)	212	170(60)	23(16)	164(57)	23(15)	206(68)	32(17)	540(185)	78(48)	618(233)
	Mathematics	22	19	1(1)	24		43	1(1)	44(1)	8	7	1	4	1(1)	5	1	16	3(1)	19(1)
	Physics (Particle, Nuclear and Astro-Physics)	23	23	2	31	3	54	5	59	8	5		9(1)		9(1)		23(2)		23(2)
	Physics (Condensed Matter Physics)	35	31(1)	2	35	7	66(1)	9	75(1)	12	9		5	1(1)	11(1)	1	25(1)	2(1)	27(2)
	Chemistry	41	34(2)	8(1)	35	8	69(2)	16(1)	85(3)	12	17	1	18(1)	1(1)	14(2)	2(2)	49(3)	4(3)	53(6)
	Earth and Planetary Sciences	19	10	4	15	5	25	9	34	7	10		6	3(1)	7	4	23	7(1)	30(1)
	Chemistry and Materials Science	32	27	10(1)	22	8(2)	49	18(3)	67(3)	10	6		6		7		19		19
	Metallurgy and Ceramics Science	43	49(5)	5(2)	48(7)	9(2)	97(12)	14(4)	111(16)	13	13(9)		7(4)	1(1)	8(2)	6(5)	28(15)	7(6)	35(21)
	Organic and Polymeric Materials	51	52(8)	13(4)	55(4)	8(1)	107(12)	21(5)	128(17)	15	15(4)	9(5)	16(3)	4(1)	11(3)	2	42(10)	15(6)	57(16)
	Applied Chemistry	27	21(1)	7(1)	27	2(2)	48(1)	9(3)	57(4)	7	5	1(1)	6(1)		8(1)		19(2)	1(1)	20(3)
	Chemical Engineering	28	30(1)	5(2)	30(4)	6(3)	60(5)	11(5)	71(10)	9	4(4)	1(1)	4(4)	2(2)	5(1)	1(1)	13(9)	4(4)	17(13)
	Mechanical Sciences and Engineering	44	50(2)	1	48(2)	3(1)	98(4)	4(1)	102(5)	12	7(4)		7(6)	1	10(5)	1	24(15)	2	26(15)
	Mechanical and Control Engineering	52	60(6)	4(3)	55(2)	1	115(8)	5(3)	120(11)	15	10(4)		8(4)		14(7)	2(2)	32(15)	2(2)	34(17)
	Mechanical and Aerospace Engineering	29	30(3)	2	30(2)	2	60(5)	4	64(5)	9	5(3)	1(1)	5(3)		5(2)	1(1)	15(8)	2(2)	17(10)
	Electrical and Electronic Engineering	35	41(8)	3(2)	42(5)	2(1)	83(13)	5(3)	88(16)	13	10(4)		5(2)	1(1)	16(3)	1(1)	31(9)	2(2)	33(11)
	Physical Electronics	36	38(9)	2(1)	42(4)	1(1)	80(13)	3(2)	83(15)	12	14(7)		13(7)	2(2)	15(11)	3(3)	42(25)	5(5)	47(30)
	Communications and Integrated Systems	32	39(10)	1	36(4)	3(1)	75(14)	4(1)	79(15)	10	7(5)	1(1)	10(5)	1(1)	12(7)	2	29(17)	4(2)	33(19)
	Civil Engineering	27	24(4)	7(5)	24(5)	7	48(9)	14(5)	62(14)	8	5(5)	1(1)	3(2)	3(2)	9(5)	1(1)	17(12)	5(4)	22(16)
	Architecture and Building Engineering	36	24(3)	16(5)	40(5)	16(4)	64(8)	32(9)	96(17)	11	3(2)		2(2)		6(1)	1	11(5)	1	12(5)
	International Development Engineering	26	24(5)	6(5)	25(9)	12(8)	49(14)	18(13)	67(27)	9	7(5)	5(5)	15(7)	1	17(8)	1(1)	39(20)	7(6)	46(26)
	Nuclear Engineering	26	33(2)	2(2)	32(3)	1	65(5)	3(2)	68(7)	12	11(4)	2(1)	15(5)	1(1)	17(8)	2	43(17)	5(2)	48(19)
Graduate School of Bioscience and Biotechnology	Total	146	112(3)	31(8)	104(5)	41(9)	216(8)	72(17)	288(25)	44	24(7)	8(4)	35(7)	15(9)	38(6)	16(7)	97(20)	39(20)	136(40)
	Life Science	29	27(1)	6(4)	20	8(2)	47(1)	14(6)	61(7)	8	6(1)	1(1)	9(1)	1	5(1)	2(2)	20(3)	4(3)	24(6)
	Biological Sciences	26	19(1)	8(1)	21	8(3)	40(1)	16(4)	56(5)	9	5(2)	1	7(1)	6(3)	14(2)	9(3)	26(5)	16(6)	42(11)
	Biological Information	31	20	4	21	7	41	11	52	9	4	3(2)	7(3)	2(1)	8(1)	1	19(4)	6(3)	25(7)
	Bioengineering	30	19(1)	10(1)	22(4)	13(4)	41(5)	23(5)	64(10)	7	5(2)	1	6(1)	2(2)	3	1	14(3)	4(2)	18(5)
	Biomolecular Engineering	30	27	3(2)	20(1)	5	47(1)	8(2)	55(3)	11	4(2)	2(1)	6(1)	4(3)	8(2)	3(2)	18(5)	9(6)	27(11)
Interdisciplinary Graduate School of Science and Engineering	Total	494	481(47)	75(18)	502(23)	81(18)	983(70)	156(36)	1,139(106)	219	154(50)	27(17)	123(34)	27(15)	172(26)	40(21)	449(110)	94(53)	543(163)
	Innovative and Engineered Materials	44	37(2)	12(1)	34(2)	10	71(4)	22(1)	93(5)	22	14(1)	3	12(1)	2	15(1)	1	41(3)	6	47(3)
	Electronic Chemistry	48	46	10(2)	44	10(2)	90	20(4)	110(4)	20	18(7)	3(1)	13(2)	3(2)	13(3)	1	44(12)	7(3)	51(15)
	Materials Science and Engineering	43	49(4)	4(1)	48	4	97(4)	8(1)	105(5)	19	11(3)		11(3)	1(1)	10(2)	3(2)	32(8)	4(3)	36(11)
	Environmental Science and Technology	40	28(7)	13(6)	41(4)	7(3)	69(11)	20(9)	89(20)	26	12(7)	7(6)	14(6)	8(5)	9(1)	11(6)	35(14)	26(17)	61(31)
	Built Environment	44	34(2)	12	38	18(2)	72(2)	30(2)	102(4)	18	9(3)	2(1)	5	2(1)	9	6(3)	23(3)	10(5)	33(8)
	Energy Sciences	41	39(3)	4	44(1)	4	83(4)	8	91(4)	17	7(2)	3	7(3)		12(1)	1(1)	26(6)	4(1)	30(7)
	Environmental Chemistry and Engineering	40	42(2)	5	44(1)	8(2)	86(3)	13(2)	99(5)	16	12(3)	5(5)	9(4)	1	6(1)	5(4)	27(8)	11(9)	38(17)
	Information Processing (former)														1		1		1
	Electronics and Applied Physics	46	51(4)	2(1)	52(2)	2(2)	103(6)	4(3)	107(9)	23	16(7)	1(1)	12(4)		20(7)	2	48(18)	3(1)	51(19)
	Mechano-Micro Engineering (present)	31	32(4)		34(3)	5(3)	66(7)	5(3)	71(10)	10	4(2)		6(2)	2(2)	7		17(4)	2(2)	19(6)
	Computational Intelligence and Systems Science	76	71(9)	7(4)	73(8)	4(2)	144(17)	11(6)	155(23)	31	21(8)	2(2)	16(4)	4(1)	50(7)	10(5)	87(19)	16(8)	103(27)
	Advanced Applied Electronics (former)														1		1		1
	Information Processing (present)	41	52(10)	6(3)	50(2)	9(2)	102(12)	15(5)	117(17)	17	30(7)	1(1)	18(5)	4(3)	19(3)		67(15)	5(4)	72(19)
Graduate School of Information Science and Engineering	Total	116	106(5)	12(1)	117(11)	16(5)	223(16)	28(6)	251(22)	38	29(15)	9(5)	22(7)	6(3)	37(14)	6(5)	88(36)	21(13)	109(49)
	Mathematical and Computing Sciences	31	31(1)	1	26(2)	3(1)	57(3)	4(1)	61(4)	10	8(3)		8(1)	1(1)	6(3)	2(1)	22(7)	3(2)	25(9)
	Computer Science	45	39(2)	2	48(6)	3(2)	87(8)	5(2)	92(10)	15	16(10)	5(5)	8(5)	3(2)	22(8)	2(2)	46(23)	10(9)	56(32)
	Mechanical and Environmental Informatics	40	36(2)	9(1)	43(3)	10(2)	79(5)	19(3)	98(8)	13	5(2)	4	6(1)	2	9(3)	2(2)	20(6)	8(2)	28(8)
Graduate School of Decision Science and Technology	Total	124	101(6)	27(4)	110(9)	29(15)	211(15)	56(19)	267(34)	44	28(6)	10(7)	18(6)	15(9)	57(6)	32(7)	103(18)	57(23)	160(41)
	Human System Science	27	17(2)	10(3)	22(2)	6(5)	39(4)	16(8)	55(12)	11	5(2)	6(5)	3(1)	1(1)	8(1)	16(2)	16(4)	23(8)	39(12)
	Value and Decision Science	26	13(1)	6(1)	18(1)	8(5)	31(2)	14(6)	45(8)	9	11(2)	1	5	3(1)	11(2)	4	27(4)	8(1)	35(5)
	Industrial Engineering and Management	38	39(3)	5	38(5)	7(5)	77(8)	12(5)	89(13)	13	9(2)	1(1)	8(4)	6(5)	17(1)	3(3)	34(7)	10(9)	44(16)
	Social Engineering	33	32	6	32(1)	8	64(1)	14	78(1)	11	3	2(1)	2(1)	5(2)	21(2)	9(2)	26(3)	16(5)	42(8)
Graduate School of Innovation Management	Total	40	34(2)	2(1)	40(3)	10(3)	74(5)	12(4)	86(9)	10	11(1)	2	6	2	38(5)	5(2)	55(6)	9(2)	64(8)
	Management of Technology*	40	34(2)	2(1)	40(3)	10(3)	74(5)	12(4)	86(9)										
	Innovation**									10	11(1)	2	6	2	38(5)	5(2)	55(6)	9(2)	64(8)
	Grand Total	1,584	1,493(133)	248(67)	1,569(107)	281(76)	3,062(240)	529(143)	3,591(383)	567	416(139)	79(49)	368(111)	88(51)	548(125)	131(59)	1,332(375)	298(159)	1,630(534)

Note: 1.Figures given in parentheses represent the number of students from abroad.
2.Department marked with * offers Professional Master's Course.
3.Department marked with ** offers Doctoral Course.

STAFF/STUDENT NUMBERS

Students from Abroad

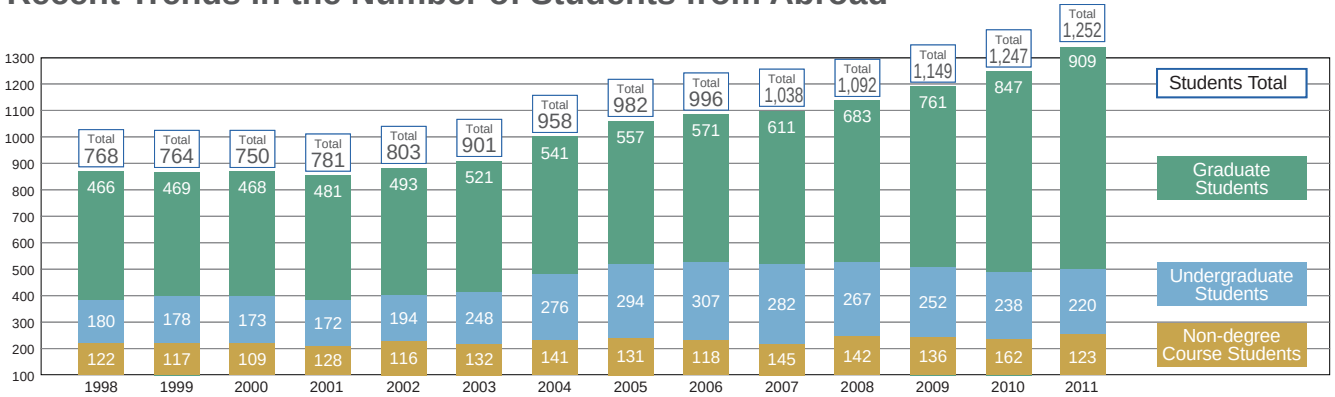
(As of May 1, 2011)

	Countries and Area	Under-graduate Course	Master's Course	Doctoral Course	Non-degree Course	Total
Asia	Bangladesh	1	4(3)	10(3)		15(6)
	Cambodia	1	3(1)	4	1	9(1)
	China	95(38)	162(67)	193(71)	52(22)	502(198)
	India	1	3(2)	6(1)	1	11(3)
	Indonesia	7(1)	15(5)	53(14)	8(1)	83(21)
	Kazakhstan	1	1(1)	3		5(1)
	Korea	37(3)	35(8)	68(17)	10(1)	150(29)
	Laos			1		1
	Malaysia	11(3) [10]	7(3)	6(5)	3(1)	27(12) [10]
	Mongolia	8(1)	5(1)	5(3)		18(5)
	Myanmar		4(1)			4(1)
	Nepal	1(1)	2(1)	6(1)		9(3)
	Pakistan			5		5
	Philippines		6(3)	10(4)	2(1)	18(8)
	Singapore	2(1)	1			3(1)
	Sri Lanka	2(1)	6(3)	4(1)		12(5)
	Taiwan		5	13(7)	3(2)	21(9)
	Thailand	8(5) [3]	54(25)	44(18)	14(3)	120(51) [3]
	Vietnam	37(7)	22(8)	20(4)	1	80(19)
	Tajikistan			1		1
	Bhutan				1	1
North America	U.S.A.		6(1)	5	3(1)	14(2)
	Canada		3(1)	4		7(1)
Central and South America	Argentina		1			1
	Bolivia		1(1)	2		3(1)
	Brazil		2(1)	6	2	10(1)
	Costa Rica			1		1
	Colombia	1		2(1)		3(1)
	Cuba				1(1)	1(1)
	Ecuador			1	1	2
	Mexico		1	3		4
	Nicaragua			2		2
Europe	Austria		2(1)	1		3(1)
	Bosnia and Herzegovina			1(1)		1(1)
	Bulgaria	1(1)				1(1)
	Denmark				1	1
	Poland			1		1
	Finland				3	3
	France		2(1)	4	1(1)	7(2)
Europe	Germany		1	1	3	5
	Hungary		2(1)			2(1)
	Italy		2	1	2	5
	Kyrgyz		1(1)			1(1)
	Lithuania	1	1	1(1)	1	4(1)
	Romania		1(1)	2		3(1)
	Russia		1	4(1)		5(1)
	Slovenia			1		1
	Spain		1(1)			1(1)
	Sweden		1	1	2(1)	4(1)
	Switzerland			1	3	4
	Ukraine			1		1
	U.K.			2		2
Oceania	Australia			1		1
Middle East	Iran	2	1	10(2)	1(1)	14(3)
	Jordan				1	1
	Lebanon			1		1
	Saudi Arabia	2 [2]				2 [2]
	Syria		2	1	1	4
	Turkey		3	6(2)		9(2)
	U.A.E.		1			1
Africa	Algeria		1	2	1	4
	Egypt			1		1
	Ethiopia		1	1		2
	Ghana		1			1
	Tunisia			2(1)		2(1)
	Malawi			1		1
	Nigeria			2		2
	Sierra Leone		1			1
	South Africa			3		3
	Sudan			1		1
	Kenya		2			2
	Uganda	1				1
	Total	220 (62) [15]	377 (142)	532 (158)	123 (36)	1,252 (398) [15]

Note: 1. Figures given in parentheses represent the number of female students.
2. Figures given in square brackets represent the number of students sent by their governments.
3. Non-degree Course Students include research students, auditors, and the Japanese-language intensive course students.

Recent Trends in the Number of Students from Abroad

(As of May 1, of each Academic Year)



ENROLLMENT AND GRADUATION

ENROLLMENT

Enrollment in Undergraduate Courses for FY2011

	Science	Engineering	Bioscience & Biotechnology	Total
Application	1,495	4,235	849	6,579
Admission	185	690	153	1,028
Enrollment	197	787	166	1,150

Enrollment in Graduate Courses for FY2011

	Master's Course							Doctoral Course						
	Graduate School of Science and Engineering	Graduate School of Bioscience and Biotechnology	Interdisciplinary Graduate School of Science and Engineering	Graduate School of Information Science and Engineering	Graduate School of Decision Science and Technology	Graduate School of Innovation Management	Total	Graduate School of Science and Engineering	Graduate School of Bioscience and Biotechnology	Interdisciplinary Graduate School of Science and Engineering	Graduate School of Information Science and Engineering	Graduate School of Decision Science and Technology	Graduate School of Innovation Management	Total
Application	1,200	185	1,001	179	202	67	2,834	213	33	193	41	43	15	538
Admission	664	146	494	116	124	40※	1,584	212	44	219	38	44	10	567
Enrollment	680(80)	131(12)	501(55)	109(9)	118(11)	26(10)	1,565(177)	139(54)	22(10)	116(67)	24(15)	22(16)	8(5)	331(167)

Note: 1. Figures given in parentheses represent the number of the 2009 fall enrollment.
2. Figure marked with* represent the number of students in Professional Master's Course.

Enrollment in International Graduate Program (starting in October)

	2003			2004			2005			2006			2007			2008			2009			2010			1993-2010		
	M	D	Sub Total	M	D	Sub Total	M	D	Sub Total	M	D	Sub Total	M	D	Sub Total	M	D	Sub Total	M	D	Sub Total	M	D	Sub Total	M	D	Sub Total
Graduate School of Science and Engineering	21	18	39	16	18	34	13	22	35	21	14	35	37	3	40	43	11	54	47	25	72	53	30	83	391	277	668
Graduate School of Bioscience and Biotechnology	0	3	3	3	1	4	3	2	5	2	2	4	9	2	11	9	1	10	9	9	18	10	8	18	84	70	154
Interdisciplinary Graduate School of Science and Engineering	8	3	11	4	5	9	6	6	12	3	10	13	16	2	18	21	4	25	27	18	45	39	18	57	174	134	308
Graduate School of Information Science and Engineering	4	2	6	4	3	7	5	1	6	2	2	4	7	4	11	6	4	10	4	7	11	3	6	9	60	42	102
Graduate School of Decision Science and Technology	4	1	5	1	2	3	1	0	1	5	1	6	6	0	6	5	2	7	6	1	7	7	3	10	55	20	75
Graduate School of Innovation Management	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	2	0	2	3	0	3
Total	37	27	64	28	29	57	28	31	59	33	29	62	75	11	86	84	22	106	94	60	154	114	65	179	767	543	1,310

ENROLLMENT AND GRADUATION

Students after Graduation for the Class of FY2010

Bachelor's Degrees

	Number of Graduates	Further Study	Manufacturers	Non-Manufacturers	Education	Government or Public Agencies	Others
School of Science	181	149	3	16	5	1	7
School of Engineering	793	711	25	27	0	7	23
School of Bioscience and Biotechnology	156	146	1	4	0	2	3
Total	1,130	1,006	29	47	5	10	33

Master's Degrees

	Number of Graduates	Further Study	Manufacturers	Non-Manufacturers	Education	Government or Public Agencies	Others
Graduate School of Science and Engineering	764	140	377	180	2	17	48
Graduate School of Bioscience and Biotechnology	145	32	65	33	0	3	12
Interdisciplinary Graduate School of Science and Engineering	534	86	287	125	0	9	27
Graduate School of Information Science and Engineering	134	16	43	69	1	1	4
Graduate School of Decision Science and Technology	107	10	12	67	0	4	14
Graduate School of Innovation Management*	40	7	2	11	0	0	20
Total	1,724	291	786	485	3	34	125

Doctoral Degrees

	Number of Graduates	Manufacturers	Non- Manufacturers	Education	Government or Public Agencies	Others
Graduate School of Science and Engineering	138	22	17	12	1	86
Graduate School of Bioscience and Biotechnology	40	7	4	3	0	26
Interdisciplinary Graduate School of Science and Engineering	113	26	17	9	0	61
Graduate School of Information Science and Engineering	26	5	10	0	0	11
Graduate School of Decision Science and Technology	20	1	1	0	0	18
Graduate School of Innovation Management	3	0	0	0	0	3
Total	340	61	49	24	1	205

Number of Doctoral Degrees Conferred

(As of March 31, 2011)

		Graduate Courses Ph.D.					Dissertation Ph.D.				
		Doctor of Science	Doctor of Engineering	Doctor of Philosophy	Doctor of MOT	Total	Doctor of Science	Doctor of Engineering	Doctor of Philosophy	Doctor of MOT	Total
Graduate School of Science and Engineering	FY2010	29	99	10	0	138	2	14	0	0	16
	Total number since the establishment	1,168	3,207	159	0	4,534	403	2,464	23	0	2,890
Graduate School of Bioscience and Biotechnology	FY2010	16	24	0	0	40	1	3	0	0	4
	Total number since the establishment	375	377	8	0	760	40	55	0	0	95
Interdisciplinary Graduate School of Science and Engineering	FY2010	19	87	7	0	113	0	7	1	0	8
	Total number since the establishment	485	1,925	70	0	2,280	138	813	12	0	963
Graduate School of Information Science and Engineering	FY2010	13	7	6	0	26	0	0	1	0	1
	Total number since the establishment	87	181	60	0	328	17	46	4	0	67
Graduate School of Decision Science and Technology	FY2010	0	5	15	0	20	0	17	0	0	0
	Total number since the establishment	9	139	193	0	341	1	17	18	0	36
Graduate School of Innovation Management	FY2010	0	0	1	0	1	0	0	0	0	0
	Total number since the establishment	0	3	3	9	15	0	0	0	0	0
Total		2,124	5,832	493	9	8,458	599	3,395	57	0	4,051

NEW FEATURES OF RESEARCH PROGRAMS

The Global COE Programs at Tokyo Institute of Technology

(As of May 2011)

http://www.rso.titech.ac.jp/cat5/detail_44.html

The Global COE program was introduced by MEXT as the successor to the 21st Century COE Program. Started in 2007, the program aims to further strengthen and enhance the functions of graduate schools and create centers of excellence to the world's highest standard. Tokyo Tech currently has 9 ongoing programs.

COE : Center of Excellence MEXT : Ministry of Education, Culture, Sports, Science and Technology

2007 ～

Evolving Education and Research Center for Spatio-Temporal Biological Network

Field of Study: Life Science
Graduate Schools/ Research Institutes: Bioscience and Biotechnology, Science and Engineering
Departments/ Centers: Life Science, Biological Sciences, Biological Information, Bioengineering, Biomolecular Engineering, Electrical and Electronic Engineering
Program Leader: Prof. TOKUNAGA,Makio
Partners: Tokyo Medical and Dental University Graduate School; RIKEN Brain Science Institute; University of California, Los Angeles, Molecular Biology Institute, Department of Microbiology and Molecular Genetics (USA); The Scripps Research Institute, Department of Molecular Biology (USA); Centre national de la recherche scientifique, IBMC, Département Machineries Traductionnelles (France)

The Amount of Subsidy for FY2011: 297,498,000 JPY

Education and Research Center for Material Innovation

Field of Study: Chemistry, Material Sciences
Graduate Schools/ Research Institutes: Science and Engineering, Interdisciplinary Science and Engineering
Departments/ Centers: Metallurgy and Ceramics Science, Organic and Polymeric Materials, Innovative and Engineered Materials, Materials Science and Engineering
Program Leader: Prof. TAKEZOE, Hideo
Partners: National Institute for Materials Science, Photocatalytic Materials Center; National Institute of Advanced Industrial Science and Technology, Nanotechnology Research Institute

The Amount of Subsidy for FY2011: 173,213,000 JPY

Education and Research Center for Emergence of New Molecular Chemistry

Field of Study: Chemistry, Material Sciences
Graduate Schools/ Research Institutes: Science and Engineering, Interdisciplinary Science and Engineering
Departments/ Centers: Chemistry, Chemistry and Materials Science, Applied Chemistry, Chemical Engineering, Electronic Chemistry, Environmental Chemistry and Engineering
Program Leader: Prof. SUZUKI, Keisuke
Partners: RIKEN Advanced Science Institute

The Amount of Subsidy for FY2011: 219,250,000 JPY

Computationism as a Foundation of the Sciences

Field of Study: Information, Electrical and Electronic Sciences
Graduate Schools/ Research Institutes: Information Science and Engineering, Science and Engineering, Interdisciplinary Science and Engineering
Departments/ Centers: Mathematical and Computing Sciences, Computer Science, Mathematics, Nuclear Engineering, Computational Intelligence and Systems Science, Information Processing
Program Leader: Prof. WATANABE, Osamu
Partners: ETH Zürich, Department of Science (Switzerland); University of California, San Diego, San Diego Supercomputer Center (USA)

The Amount of Subsidy for FY2011: 126,339,000 JPY

Photonics Integration - Core Electronics

Field of Study: Information, Electrical and Electronic Sciences
Graduate Schools/ Research Institutes: Interdisciplinary Science and Engineering, Science and Engineering
Departments/ Centers: Electronics and Applied Physics, Information Processing, Electrical and Electronic Engineering, Physical Electronics, Communications and Integrated Systems
Program Leader: Prof. KOYAMA, Fumio
Partners: University of California, Berkeley, Center for Optoelectronic Nanostructured Semiconductor Technologies (USA); University of Cambridge, Centre for Advanced Photonics and Electronics (UK)

The Amount of Subsidy for FY2011: 206,697,000 JPY

2008 ～

Nanoscience and Quantum Physics

Field of Study: Mathematics, Physics, Earth Sciences
Graduate Schools/ Research Institutes: Science and Engineering
Departments/ Centers: Physics(Condensed Matter Physics),Physics(Particle, Nuclear and Astro-Physics)
Program Leader: Prof. SAITO, Susumu
Partners: University of California, Berkeley Department of Physics (USA)

The Amount of Subsidy for FY2011: 131,991,000 JPY

International Urban Earthquake Engineering Center for Mitigating Seismic Mega Risk

Field of Study: Mechanical, Civil Engineering, Architectural and Other Fields of Engineering
Graduate Schools/ Research Institutes: Science and Engineering, Interdisciplinary Science and Engineering, Information Science and Engineering
Departments/ Centers: Architecture and Building Engineering, Civil Engineering, Built Environment, Environmental Science and Technology, Mechanical and Environmental Informatics
Program Leader: Prof. TOKIMATSU, Kohji
Partners: Pacific Earthquake Engineering Research Center

The Amount of Subsidy for FY2011 191,400,000 JPY

Multidisciplinary Education and Research Center for Energy Science

Field of Study: Interdisciplinary, Combined Fields, New Disciplines
Graduate Schools/ Research Institutes: Science and Engineering, Interdisciplinary Science and Engineering, Decision Science and Technology, International Student Center, Innovation Management
Departments/ Centers: Mechanical and Control Engineering, Physical Electronics, Chemical Engineering, Applied Chemistry, Mechanical and Aerospace Engineering, Chemistry, Organic and Polymeric Materials, Metallurgy and Ceramics Science, International Development Engineering, Chemistry and Materials Science, Innovative and Engineered Materials, Electronic Chemistry, Environmental Chemistry and Engineering, Electronics and Applied Physics, Industrial Engineering and Management, Nuclear Engineering, Management of Technology
Program Leader: Prof. HIRAI, Shuichiro
Partners: Georgia Institute of Technology, Department of Mechanical Engineering (USA); Korea Advanced Institute of Science and Technology, Department of Mechanical Engineering (South Korea); Universität Stuttgart, Institut für Physikalische Electronik (Germany)

The Amount of Subsidy for FY2011: 173,514,000 JPY

2009 ～

From the Earth to "Earths": Interdisciplinary study on habitable planets

Field of Study: Interdisciplinary, Combined Fields, New Disciplines
Graduate Schools/ Research Institutes: Science and Engineering, Bioscience and Biotechnology, Interdisciplinary Graduate school of Science and Engineering
Departments/ Centers: Earth and Planetary Sciences, Chemistry, Biological Information, Biological Sciences, Environmental Science and Technology, Environmental Chemistry and Engineering
Program Leader: Prof. IDA, Shigeru
Partners: University of Tokyo, Atmosphere and Ocean Research Institute; University of Tokyo, Graduate School of Science, Department of Earth and Planetary Science; University of Tokyo, Department of Multi-disciplinary Science

The Amount of Subsidy for FY2011: 127,885,000 JPY

FY2007	1,455,220,000 JPY	(335,820,000 JPY)
FY2008	2,321,930,000 JPY	(535,830,000 JPY)
FY2009	2,343,791,000 JPY	(540,874,800 JPY)
FY2010	1,803,657,000 JPY	
FY2011	1,647,787,000 JPY	
Total amount of funding	9,572,385,000 JPY	(1,412,524,800 JPY)

Note. Figures given in parentheses represent overhead costs included in the Research fund.

NEW FEATURES OF RESEARCH PROGRAMS

Endowment Chairs of Private Companies

(As of November 1, 2011)

Division of e-Government System-care Engineering funded by NTT-DATA Corporation

Affiliation: Imaging Science and Engineering Laboratory
This division provides a structured guidance on how to establish IT-Governance and keep information systems effective beyond their life cycle. Through analyses of practical examples, the division also provides useful and practical assistance for the Government concerning the e-Government system.

Nomura Research Institute (NRI) Service Innovation Research

Affiliation: Center for Agent-Based Social Systems Science
The main purpose is basic research in the field of Service Innovation, among else through the use of agent-based social simulation techniques, analysis of the component business model in the service area, and fusion of bottom-up and functional approaches.

Materials for Energy Conversion (Funded by Toppan Printing)

Affiliation: Chemical Resources Laboratory
This division is active in basic research and teaching, while always keeping practical applications in mind. The main areas of development are the research of new materials for energy conversion, specifically the synthesis of polymers, e.g. by organometallic polycondensation using nickel complexes, and the preparation of polymer films for energy conversing devices. (Pyridine- and phenylene-based polymers for example)

Biometabolic Engineering (ALA) funded by SBI ALApromo Corporation

Affiliation: Frontier Research Center
This division will focus on the application of 5-aminolevulinic acid (ALA). This research aims to establish new medical technologies (tumor therapy, tumor diagnosis and treatment of various diseases related to basal metabolism).

The 130th Anniversary of Tokyo Institute of Technology Commemorative Course - Creative Food Science, Technology and Culture in the Future funded by Hisao Taki and Gourmet Navigator Incorporated

Affiliation: Graduate School of Innovation Management
This course aims to build a business model for the creation of a new food business and industry through innovation. In addition, this course is to train human resources for a new food business. In addition, several courses open for food.

Railway technology innovation and standardization (Endowed Chair by East Japan Railway Company)

Affiliation: Graduate School of Science and Engineering
（1）Developing international standardized human resouces and international views（2）International standardization methodology and strategies for railway companies（3）Sharing and exhchanging ideas between the faculty and guest speakers

Advanced Free Radical Technology and Life Science

Affiliation: Graduate School of Bioscience and Biotechnology
This division provides the technological development in the field of life science and medical technology. This research aims to elucidate the mechanism of redox system and treatment of various diseases related to the aging society.

International Nuclear Power Human Resorce Training(Hitachi-GE) Chair Course

Affiliation: Graduate School of Science and Engineering
The course aimes the new and aggressive education and research to incorporate the environmental and energy resource problems, and the energy policy. It promote human resource development, such as education/ training personnels and researchers to develop high reliable nuclear power generation system and to survey lomg-term stable energy supply system.

Medical and Biological Engineering Creation

Affiliation: Graduate School of Bioscience and Biotechnology
The main purpose is to establish the center of the medical devices development and the human resource development in the field of medical and biological engineering, in order to contribute to the health, longevity, and medical treatment.

Collaborative Research Chairs and Divisions

(As of May 1, 2011)

AGC Collaborative Research Division for Glass and Inorganic Materials

Collaborator: Asahi Glass Co., Ltd.
Term: April 1, 2010 - March 31, 2014
Affiliation: Materials and Structures Laboratory
Research Title: Basic research on glass, Development of new inorganic materials

MERS Collaborative Research Division

Collaborator: MERSTech, Inc.
Term: April 1, 2010 - March 31, 2013
Affiliation: Research Laboratory for Nuclear Reactors
Research Title: Advanced Electric Power Management by MERS Technology

Collaborative Research Division for Information Distribution Platform System

Collaborator: NTT Communications Corporation
Term: April 1, 2010 - March 31, 2012
Affiliation: Solutions Research Laboratory
Research Title: Research on Information Distribution Platform System

TEPCO Collaboration Research Unit

Collaborator: Tokyo Electric Power Company
Term: April 1, 2010 - March 31, 2012
Affiliation: Solutions Research Laboratory (AES Center)
Research Title: Advanced Electric Power Systems

Tokyo Gas Collaboration Research Unit

Collaborator: Tokyo Gas Co., Ltd.
Term: April 1, 2010 - March 31, 2013
Affiliation: Solutions Research Laboratory (AES Center)
Research Title: Smart Energy Network toward a Low Carbon Society

ENEOS Collaboration Research Unit

Collaborator: JX Nippon Oil & Energy Corporation
Term: April 1, 2010 - March 31, 2013
Affiliation: Solutions Research Laboratory (AES Center)
Research Title: Low Carbon Emission Energy System

Mitsubishi Corp. Collaboration Research Unit

Collaborator: Mitsubishi Corporation
Term: April 1, 2010 - March 31, 2015
Affiliation: Solutions Research Laboratory (AES Center)
Research Title: Renewable Energy Utilization

NTT/NTT Facilities Collaboration Research Unit

Collaborator: Nippon Telegraph and Telephone Corporation
NTT Facilities, Inc.
Term: April 1, 2010 - March 31, 2013
Affiliation: Solutions Research Laboratory (AES Center)
Research Title: Smart Energy Network in Next-generation Communities

Innovative Research Initiatives (22 Projects)

(As of October 24, 2011)

Field	Title	Project Leader	
Life Science	Study Program of Brain Informatics	Interdisciplinary Graduate School of Science and Engineering	Prof. NAKAMURA, Kiyohiko
	International Bio-Forum Tokyo Tech	Graduate School of Bioscience and Biotechnology	Prof. SEKINE, Mitsuo
	Medico-Dental Engineering Cooperative Research Initiative	Interdisciplinary Graduate School of Science and Engineering	Prof. OMATA, Toru
Information Technology	Development of Ultra-high-performance and Low-power Nano-device Integrated Circuit Technologies for Info-communications	Frontier Research Center	Prof. IWAI, Hiroshi
	Quantum Information Processing Devices	Quantum Nanoelectronics Research Center	Prof. ODA, Shunri
	Dependable Information System	Graduate School of Information Science and Engineering	Prof. YOKOTA, Haruo
	Intelligent CAD/CAE for Next Generation	Graduate School of Science and Engineering	Prof. HAGIWARA, Ichiro
Environment	Value Added Remote Sensing	Interdisciplinary Graduate School of Science and Engineering	Prof. KOSUGI, Yukio
Nano-Technology & Materials	Development of New Industry Based of Ferrites	Graduate School of Science and Engineering	Prof. NAKAGAWA, Shigeki
	Study on Nonequilibrium Dynamics in Condensed System by Time-resolved Structural Analysis	Graduate School of Science and Engineering	Prof. KOSHIHARA, Shin-ya
	Nano/Micro Machines and Nems/Mems	Precision and Intelligence Laboratory	Prof. HATSUZAWA, Takeshi
	Soft Processes : Environmentally Compatible Processings for Advanced Materials	Materials and Structures Laboratory	Assoc. Prof. MATSUSHITA, Nobuhiro
	Nanoscale Photofunctional Materials	Frontier Research Center	Prof. IYODA, Tomokazu
	Nano Thermodynamics	Graduate School of Science and Engineering	Prof. HASHIMOTO, Toshimasa
	Combinatorial Science Initiative	Graduate School of Science and Engineering	Prof. TAKAHASHI, Takashi
	State-of-the-art Inorganic Materials	Solutions and Research Laboratory	Prof. HARA, Michikazu
Energy	Entropia Laser Initiative	Graduate School of Science and Engineering	Prof. YABE, Takashi
	Research and Development of Lead-bismuth Eutectic Coolant Utilization	Research Laboratory for Nuclear Reactors	Assoc.Prof. TAKAHASHI, Minoru
	Innovative Hydrogen Production	Solutions and Research Laboratory	Prof. HARA, Michikazu
Infrastructure	Structural Integrity Monitoring and Smart Materials and Structures	Graduate School of Science and Engineering	Prof. KISHIMOTO, Kikuo
Frontier	Space Utilization for Safe and Advanced Society	Interdisciplinary Graduate School of Science and Engineering	Prof. ODAWARA, Osamu
	Versatile Innovative Plasma Science (VIPs)	Interdisciplinary Graduate School of Science and Engineering	Prof. HOTTA, Eiki

UNIVERSITY/INDUSTRY RELATIONS

Office of Industry Liaison

http://www.sangaku.titech.ac.jp/english/

Tokyo Tech's one-stop service for industry liaison

As a gateway to the one-stop service for university-industry cooperation activities, the Office of Industry Liaison (OIL) puts Tokyo Tech's efforts into practice, emphasizes cooperation between university and industry, creates new industries, contributes to the promotion of innovation, and strives to the further creation of intellectual properties. The OIL also focuses on international university-industry collaboration.

Organizational Alliances

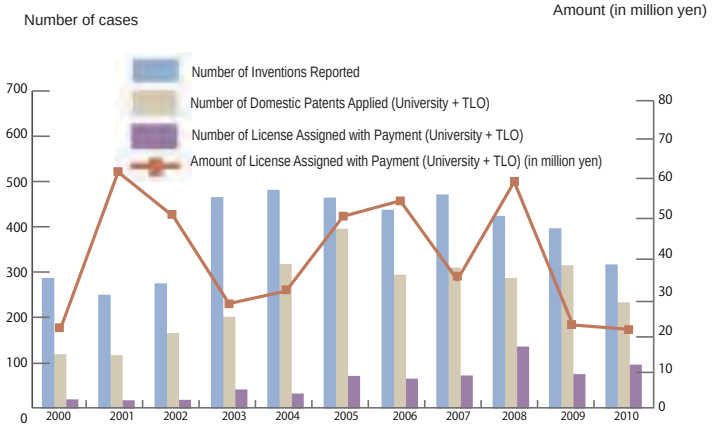
One of OIL's major activities is the Research Alliance Program, which provides an opportunity for Tokyo Tech and a company to conduct organizational research. Tokyo Tech concluded agreements with the following partners in the past resulting in successful research achievements.

Industry	Company Name	Date of Agreement	Theme
Manufacturing Companies	Sanyo Electric Co., Ltd.	21 Jan., 2004	Environmental Technology of the Future
	FUJITSU LABORATORIES LTD.	21 Jan., 2004	Information Technology
	Mitsubishi Chemical Corporation	22 Jan., 2004	Chemical Process and New Functional Materials
	Mitsubishi Electric Corporation	27 Feb., 2004	Future Devices Technology
	Panasonic Corporation	11 Mar., 2004	Core Technology of Electronics
	TOPPAN PRINTING CO.,LTD.	13 Oct., 2004	Technology of Coating and Nano-thin Layer
	Sumitomo Chemical Company,Limited	06 Apr., 2005	Advanced Materials, Catalysers, and Life Science
	Canon Inc.	02 Aug., 2005	Advanced Materials and Imaging Technology
	Semiconductor Technology Academic Research Center	01 Sep., 2006	Advanced Semiconductor Technology
	Microsoft Corporation	13 Sep., 2007	Computing Technology and its Application to Science and Engineering
	Hitachi,Ltd	01 Jul.,2011	Next-generation Thechnologies for Social Innovation
Non-manufacturing Companies	Mitsubishi Corporation	22 Jul., 2004	Industrialization of New Technology and IP
	Sumitomo Mitsui Banking Corporation	01 Oct., 2004	Technology Matching
	NIPPON TELEGRAPH AND TELEPHONE CORPORATION	10 Sep., 2008	Research and Development Information and Telecommunications
	Nomura Research Institute,Ltd.	22 Sep., 2008	Research and Development on Service Innovation
Non-profit Organization	Kanagawa Academy of Science and Technology	02 Apr., 2007	R&D for Industrial Development and Fostering R&D Human Resources

IP Management

(As of May 1, 2011)

Description / FY	No. of Inventions Reported	No. of Domestic Patents Applied (University + TLO)	No. of License Assigned with Payment (University + TLO)	Amount of License Assigned with Payment (University + TLO) (in million yen)
2000	286	117	17	21.67
2001	249	115	15	60.25
2002	274	164	16	50.00
2003	465	200	39	29.98
2004	481	317	30	37.28
2005	464	395	69	49.50
2006	437	293	63	52.96
2007	471	309	70	35.30
2008	423	286	135	57.29
2009	396	314	73	22.64
2010	316	232	94	21.65



Tokyo Tech Launched Venture Companies

(As of May 1, 2011)

Approved on:	Company	Summary of Business	Type	Established on
2003.1.9	Nippon CAD Co., Ltd.	Manufacture, construction and maintenance of mechanical and computer systems for golf driving ranges like chain conveyors for ball trolleys and the tee up devices.	3	1977.4.28
2003.1.9	OKK Inc.	Development and sales of original products featuring measurement with an optical technology.	2	1981.4.11
2003.1.9	Brain Functions Laboratory, Inc.	Development and sales of "Emotion Spectrum Analyser (ESA)," a system to display emotion quantitatively through EEG-analysis	2	1994.2.1
2003.1.9	New Technology Management Co., Ltd.	R&D of ECF (Electro-Conjugate Fluid) technology and its industrial applications.	2	1995.7.21
2003.1.9	Tytemn Corporation	Sales, manufacturing, and R&D on high performance slurries for silicon water final polishing and for CMP in IC processing.	3	1996.4.3
2003.1.9	DINO Co., Ltd.	Development and sales of computer software.	2 3	1998.8.14
2003.1.9	Fu's Lab Co., Ltd.	Development & planning of 3-D Camera Systems, Image Storage Systems, and Image Processing Software for Improvement and Restoration.	1	1999.7.30
2003.1.9	EcoMEET Solutions Co., Ltd.	Basic planning and optimum design for industrial waste disposal process and facilities based on the system of waste gasification and power generation as the core technologies.	1	2000.7.25
2003.1.9	ChemGenesis Inc.	Development, manufacture and sales of chemical libraries and biological tools based on combinatorial chemistry.	1	2001.3.1
2003.1.9	Optical Comb, Inc.	Development, manufacturing and sales of “Optical Frequency Comb Generators”, application products and related services.	1 2	2002.4.1
2003.1.9	GenoMembrane, Inc.	Gene cloning, gene expression and functional analysis of drug transporters.	1	2002.4.1
2003.1.9	Aphoenix, Inc.	Drug discovery, development and production based on magnetic bead technology.	1 2	2002.4.10
2003.1.9	ai-Phase Co., Ltd.	Manufacture and sales of thermal property measurement systems and thermal analysis systems. High quality services of the thermal property measurement and the thermal analysis.	1	2002.4.16
2003.5.15	Micro Energy, Ltd.	Development, manufacturing and sales of gasification power generation systems using industrial waste as fuel.	3	2003.4.9
2003.7.15	Connectous Co.	R&D, sales, operations and management of computer systems. Engineer dispatch. Software development. Information systems consulting and training.	2	2001.12.20
2003.7.15	Thin-Film Process Soft, Inc.	Development of thin film manufacturing processes for LC and PDP, and device sales. Development, manufacturing and sales of solar cell panels processing machines.	1	2000.7.7
2004.5.18	Celagix Research Ltd.	Development of biomaterials and nano-particles of carbonate apatite for gene delivery.	2 3	2002.7.15
2004.5.18	HiBot Corporation	Research, development and sales of robots	2 3	2004.5.18
2004.6.15	Tokyo Geotech Co., Ltd	Development, production and sales of simulation software 'DACSAR' analyzing the behavior of subsoil accompanied by construction of civil engineering /architecture structures, analyzing subsoil in natural disasters.	1 2 3	2004.5.18
2004.8.9	TRIONSITE	Supporting industry promotion policies taken by local governments with planning and implementation. Survey and consulting. Establishment, sales, and operation of websites.	1 2	2004.4.15
2004.9.13	eCompute Corporation	Provides software consulting and development, specializing in image processing, virtual reality and linux system.	2 3	2004.1.15
2004.9.13	Tokyo Tech Engineering Solutions, Inc.	Survey, planning, design, safety-check, monitoring, and retrofit of construction products.	2 3	2004.7.22
2004.9.13	mimi.inc	Development and sales of application software for cellular phones.	3	2004.5.18
2004.11.2	Luvina Software Company	Software development and operation. Consulting on investments in Vietnam.	3	2004.8.6
2004.12.13	Techno Management Solutions Ltd.	Development and sales of next-generation management systems and consulting service for a process plant life cycle.	2	2004.10.1
2004.12.13	HUB Networks, Inc.	Development of software and hardware control systems.	2 3	2005.8.4
2005.8.29	Chimeraworks	Software development, sales, and management. R&D of information technology. R&D of medical devices.	3	2003.4.10
2005.10.11	Interlocus, Inc.	R&D, sales and education on CAD / CAM / CAE / CG systems. Providing engineering services and/or solutions.	1 2	2005.9.9
2005.10.11	Kawazoe Frontier Technology, Co., Ltd.	R&D of materials technology and technology consulting services on hydrogen energy systems.	2	2003.1.6

UNIVERSITY/INDUSTRY RELATIONS

(As of May 1, 2011)

Approved on:	Company	Summary of Business	Type	Conferred on:
2005.12.6	AMSIS. Inc.	R&D, design, production and sales of semiconductor devices and modules for microwave- and millimeterwave-systems	2	2005.10.11
2006.2.27	Oisix Co., Ltd.	Online food retailing. Food retailing working with a network of dairies and alcoholic drinks retailers.	3	2000.6.1
2006.3.14	Technovarth	Software development, sales, lease, and maintenance and management services.	3	2006.2.8
2006.4.25	Kozo Zairyo Building Research Co., Ltd.	R&D and technology consulting services on building steel structures and antiseismic structures.	2	1986.10.1
2007.2.27	MERSTech, Inc.	Industrialization and Commercialization of MERS technology based power electronics products and services (MERS:Magnetic Energy Recovery Switch)	1	2007.1.15
2007.4.2	iMott Inc.	R&D or consultation on technology of segmented-DLC coating, its coating service and patents licensing	1	2007.2.8
2007.4.2	PRESYSTEMS, Inc.	Sales and developments of our testing tools on software systems.	2 3	2002.2.1
2007.7.23	PopLiberal Inc.	Research, development and sales of computer software mainly on the web application.	3	2007.5.25
2007.9.10	PhosMega Co., Ltd.	Developing medical and electronic measurement equipment, robots, and manufacture and sales of prototype instrumentation and systems.	2	2007.8.10
2007.10.9	Visual Technology Laboratory Inc.	Development and Sales of Simulation software on lighting design, color application, landscape design, and patent licensing and consultation on them	3	2007.8.17
2007.11.19	Tech Engine Co.,Ltd.	Information quality control and development.	3	2007.5.1
2008.3.17	INFERRET JAPAN K.K.	Development of mobile-oriented applications based on technologies such as automatic speech recognition (ASR) and natural language processing (NLP). Special focus is on carrier independent voice / speech enabled search applications.	2	2007.8.9
2008.5.26	Inputex Corporation	Haptic/Tactile interfaces. Licensing, development and sales of components, development tools and embedded systems for quick and flexible human-machine user interfaces.	1	2008.3.27
2008.10.6	Plasma Concept Tokyo Inc.	Atmospheric plasma sources; development, consultation and sales.	2	2008.7.2
2008.11.17	MCX Corporation	Energy supply systems and facilities, heat exchanger and related equipment; Research, development, consultation and sales.	1	2008.3.3
2009.3.6	EffecTech Institute of Strategy, Inc.	Strategy structuring for technology management, new business development, and investigation research for science and technology policy.	2	2008.5.2
2009.3.6	MieruPC Inc.	Development, manufacture and sales of computers and computer-related products.	2 3	2009.2.19
2009.6.16	milog Inc.	Businesses related to site monitoring, smart phones and applications for SNS platforms.	3	2009.4.6
2009.9.18	NuSAC Inc.	Surveys, research, education, personnel training, recruitment and proposals for solutions related to nuclear energy.	2	2009.4.28
2010.1.7	Bi2-Vision Co.	Sales of 3D photographic systems. Sales of 'active stereo vision systems' for robotics researchers at universities and at public and private research institutes.	1	2009.8.28
2010.3.12	Meko Edu.	Educational guidance to overseas students, cram school operation, and advisory service for studying in Japan.	3	2009.4.2
2010.11.9	Techidea Corporation	R&D and sales on analog and RF CMOS circuit technology. Technology consulting and education.	1	2010.4.23
2010.12.3	Building Structure Institute	Research planning,experiment verification and product development for aseismic structure, vibration controlled structure and isolated structure.	1 2	2010.9.17

Note:
1.Former Criteria(～2010.9.14)
Criteria1: A company making use of any intellectual property owned by the stuff or student of Tokyo Tech
Criteria2: A company making use of any fruit or technology resulting from research activities in Tokyo Tech
Criteria3: A company which the student of Tokyo Tech establishes or in which the student of Tokyo Tech is involved
2.Present Criteria(2010.9.15～)
Criteria1: A company making use of any intellectual property owned by the researcher or student of Tokyo Tech and/or any technological fruits acquired by Tokyo Tech through its research activities
Criteria2: A company which the student of Tokyo Tech establishes or in which the student of Tokyo Tech is involved
3.Companies liquidated after conferral are not listed above.
4.Dates are shown in year-month-day format.

Number of New Business Ventures and "Tokyo Tech Venture" Titles Granted

Description \ FY	Pre-1999	FY2000	FY2001	FY2002	FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010
Titles Granted	—	—	—	16	3	11	6	3	9	5	4	2
New Ventures	9	4	3	7	4	7	4	3	9	3	4	2
Aggregate Total of New Ventures	9	13	16	23	27	34	38	41	50	53	57	59

NEW FEATURES OF EDUCATION PROGRAMS

The flow from admission to graduation

1st year - Freshmen Orientation
- Freshmen Seminar

↓

Department Affiliation;
Orientation & Application

↓

2nd year - Department Affiliation

↓

3rd year - (some students)
Company Tours and Internships

↓

4th year - Undergraduate Thesis Research

↓

Graduation

↓

Employment | **Graduate School**

About the Admission by Group system

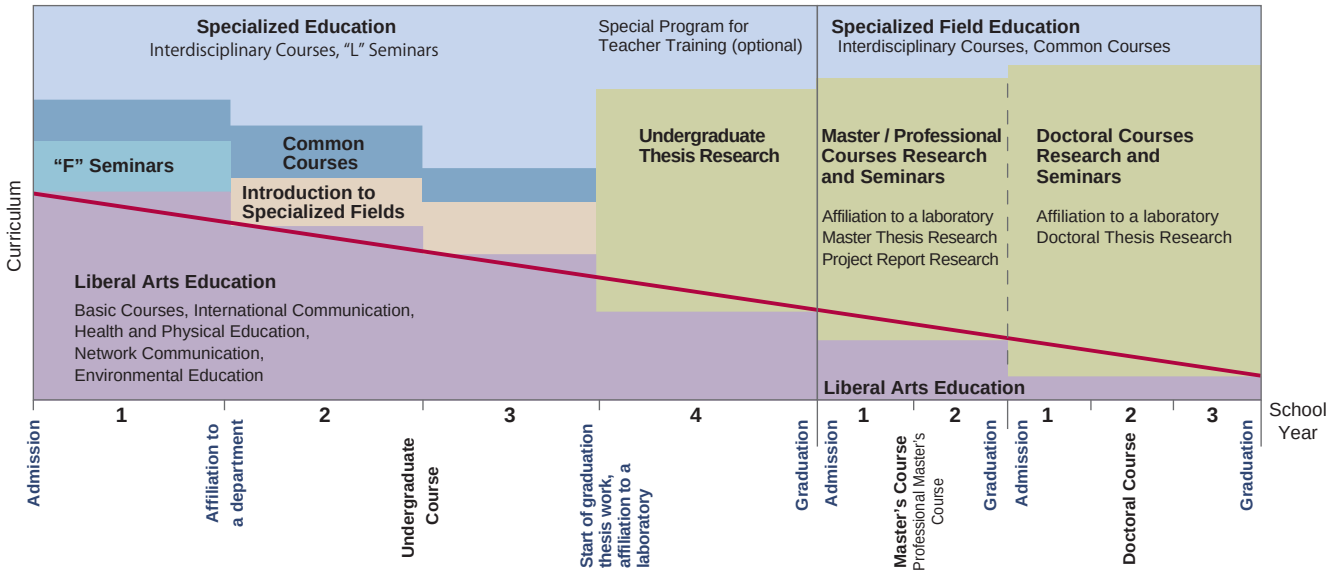
Before choosing a department, freshmen first belong to one of the groups that are under each of the three schools (Science, Engineering, Bioscience and Biotechnology). This allows time for students to find out the most appropriate path for them before starting a departmental affiliation in the second year. (In some cases students may move on to a department outside of their initial group)

List of subjects by group

School of Science	Group 1	Mathematics
		Physics
		Chemistry
		Information Science
		Earth and Planetary Sciences
School of Engineering	Group 2	Metallurgical Engineering
		Organic and Polymeric Materials
		Inorganic Materials
		Social Engineering
	Group 3	Chemical Engineering
		Polymer Chemistry
		Social Engineering
		Industrial and Systems Engineering
	Group 4	Mechanical Engineering and Science
		Mechanical and Intelligent Systems Engineering
School of Engineering	Group 4	Mechano-Aerospace Engineering
		International Development Engineering
		Social Engineering
	Group 5	Control and Systems Engineering
		Electrical and Electronic Engineering
		Computer Science
		Social Engineering
	Group 6	Civil and Environmental Engineering
		Architecture and Building Engineering
		Social Engineering
School of Bioscience and Biotechnology	Group 7	Bioscience
		Biotechnology

About 90% of students go on to graduate school

Program of Undergraduate and Graduate Study



Student Clubs

Music Clubs
Orchestra / Los Guaracheros, Latin Jazz Big Band / Classical Guitar / Rock / Modern Jazz / Chor Kleines (Mixed Chorus) / Folksongs

Art Clubs
Art / Animation / SF / Theater / Photography / Movie / Design

Cultural Clubs
English Speaking Society / Manga / Tea Ceremony / Railway

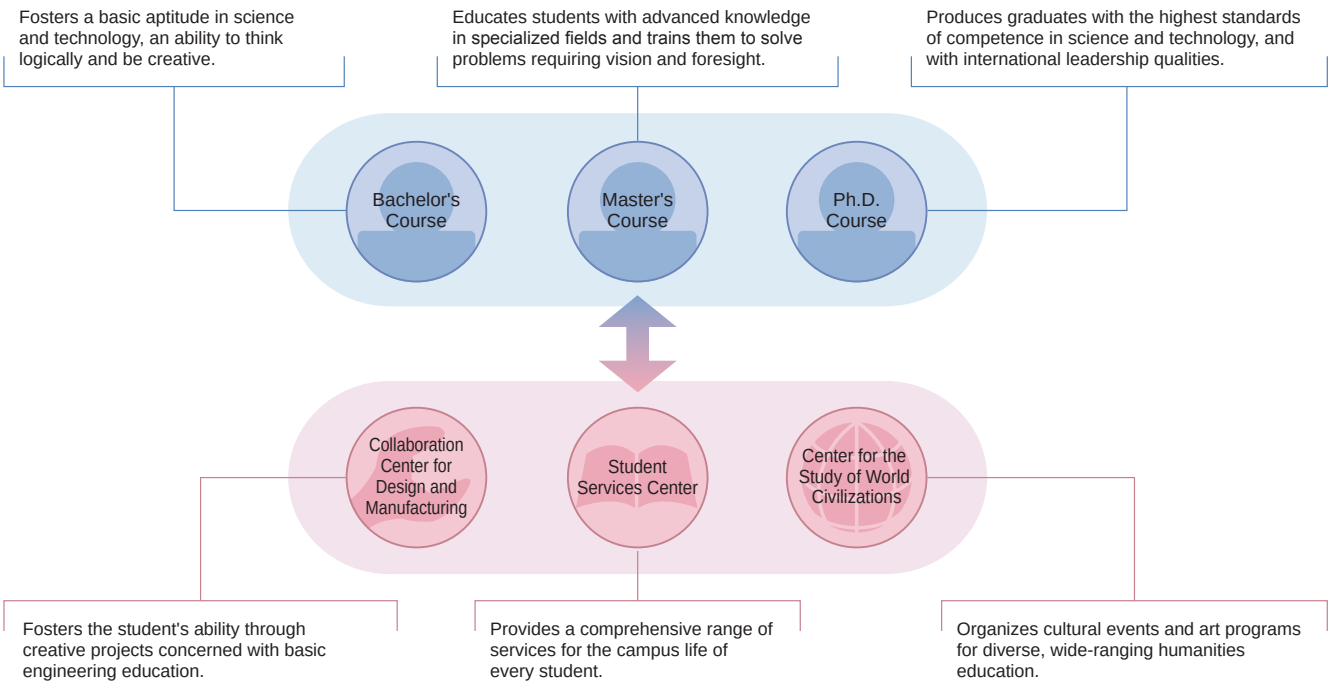
Recreational Clubs
Mountain Climbing / Go / Shogi

Social Clubs
Social Sciences / Environmental / Journalist / Oriental Philosophy / Modern Issues

Technology Clubs
Astronomy / Aviation "Soaring" / Robotics / Automotive / Wireless / Broadcasting / Meister Craftsman / Science & Technology

Sports Clubs
Baseball / Tennis / Soccer / Rugby / Handball / Volley Ball / Badminton / Ping-Pong / Basket Ball / Golf / Aikido / Judo / Shorinji Kempo / Kyudo / Kendo / Karate / Rowing / Track & Field / Orienteering / Competitive Skiing / Swimming / Sailing / Mountaineering / Weight lifting / Folk Dance / Fencing / Dance / Gymnastics / American Football / Triathlon / Futsal / Cycling

Nurturing Creative People



Undergraduate Education Programs

Characterized by a high level of originality and expert teaching in Science and Technology, Tokyo Tech's innovative education programs for undergraduates have won widespread acclaim. For example Four University alliance provides students with the opportunity to expand their horizon of knowledge and experience while acquiring a dual bachelor's degree. The participating institutions are Tokyo Medical and Dental University, Tokyo University of Foreign Studies and Hitotsubashi University.

Graduate Education Programs

Tokyo Tech offers a wide range of graduate education programs in science and technology, covering numerous research fields. The varied nature of these programs enables students to learn in conditions suitable to their aims and experience. Many of them benefit from the support of the government (MEXT), which provides funding for educational innovation in education.

- Integrated Doctoral Education Program allows students to be awarded a doctoral degree in a shorter period than the standard graduate program
- The Dual Degree Program enables students taking a doctoral course to gain a professional master's degree in addition
- The Special Graduate Course offers integrated research across various departmental boundaries
- The Joint Graduate Program with Tsinghua University, China, provides students with the opportunity to study on both campuses and obtain a dual master's or doctoral degree.

International Graduate Program

http://www.gakumu.titech.ac.jp/nyusi/prospectus/english/cat22/detail_106.html

For many years, Tokyo Tech has admitted international students from overseas countries and provided them with the highest standard of education. Based on past experiences, the university launched "International Graduate Program" in 2007 to provide opportunities to pursue advanced studies leading to Ph.D. degrees, or Master's degrees in some cases, in English. The students are selected internationally with priority given to graduates or students of Tokyo Tech's partner universities that have concluded exchange agreements. Of those students selected, outstanding students are chosen to be awarded the Japanese government scholarships.

The study fields span various subjects of science and technology, many of which are related to issues of global interest. The students are given an opportunity to study and conduct research under the supervision of faculty members instructing beyond departmental boundaries. Besides scientific and technological research, Japanese language courses from introductory to advanced levels and classes on Japanese culture are also provided. The courses and classes aim to facilitate and enhance quality of their life in Japan and prepare them for work or future opportunities in Japan.

Program

- Sustainable Engineering Program
- Education Program through International Collaboration on Architecture and Urban Design
- International Bioscience and Biotechnology Course Program
- International Program for Interdisciplinary Science and Engineering
- Education Program of Japanese Advanced Information Technology
- International Program on Effective Utilization of Technology in Graduate School of Decision Science and Technology
- International Program on Earthquake Engineering
- Tokyo Tech-Tsinghua Joint Graduate Program
- Tokyo Tech-RIKEN International School

Creativity Education and Accredited Subjects

The Educational Planning Office at Tokyo Tech encourages students to develop the creativity that has always been at the heart of science and technology. A series of specially designed and accredited subjects, both at undergraduate and graduate level, have been evaluated as having exceptional educational standards and fostering creativity.

There are over 70 subjects including; Column Land; Crafts; Creative Design for Bioscience and Biotechnology I, II; Creative Experiments on Electrical and Electronic Engineering; Creativity Laboratory in Metallurgy; Laboratory Works in Concrete Materials and Structures; Mechanical Design Projects I, II; Mechanical Engineering Literacy; System Modeling; Transdisciplinary Collaboration Practice

Number of Students Participating in the "Joint Education Course" of the Four-University Alliance

Students can expand their horizon of knowledge through a Joint Education Course offered by a four-university alliance; Tokyo Institute of Technology, Tokyo Medical and Dental University, Tokyo University of Foreign Studies, and Hitotsubashi University

		2005		2006		2007		2008		2009		2010		2011	
		Application	Approval	Application	Approval	Application	Approval	Application	Approval	Application	Approval	Application	Approval	Application	Approval
With three universities participating	Subtotal	40	33	46	42	29	26	39	31	29	28	12	12	16	15
	Comprehensive Life Science Course※1	29	23	27	23	25	23	31	25	26	25	8	8	15	14
	Overseas Cooperation Course※1	6	6	6	6	4	3	2	2	3	3	2	2	1	1
	Research on Living Spaces Course※1	5	4	13	13			6	4			2	2	0	0
With two universities participating	Subtotal	83	68	136	101	77	54	90	68	81	74	33	33	61	56
	Scientific Technology and Intellectual Property Course※2	8	8	16	15	12	12	13	13	12	12	6	6	8	8
	Technology and Management Course※2	15	5	31	6	28	6	26	6	13	6	3	3	10	6
	Bunri Sougou Course※2	16	15	40	37	19	18	22	20	33	33	14	14	30	29
	Medical Engineering Course※3	30	26	33	31	14	14	24	24	16	16	8	8	8	8
	International Technical Writing Course※4	14	14	16	12	4	4	5	5	7	7	2	2	5	5
	The Economics of Medical and Health Care Course※5														
Total		123	101	182	143	106	80	129	99	110	102	45	45	77	71

Note: ※ 1 is a program with Tokyo Tech, Hitotsubashi University, and Tokyo Medical and Dental University participating.
※ 2 is a program with Tokyo Tech and Hitotsubashi University participating.
※ 3 is a program with Tokyo Tech and Tokyo Medical and Dental University participating.
※ 4 is a program with Tokyo Tech and Tokyo University of Foreign Studies participating.
※ 5 is a program between Tokyo Medical and Dental University and Hitotsubashi University. Tokyo Tech is NOT participating.

(As of May 1, 2011)

Enrollment in Tokyo Institute of Technology-Tsinghua University Joint Graduate Program

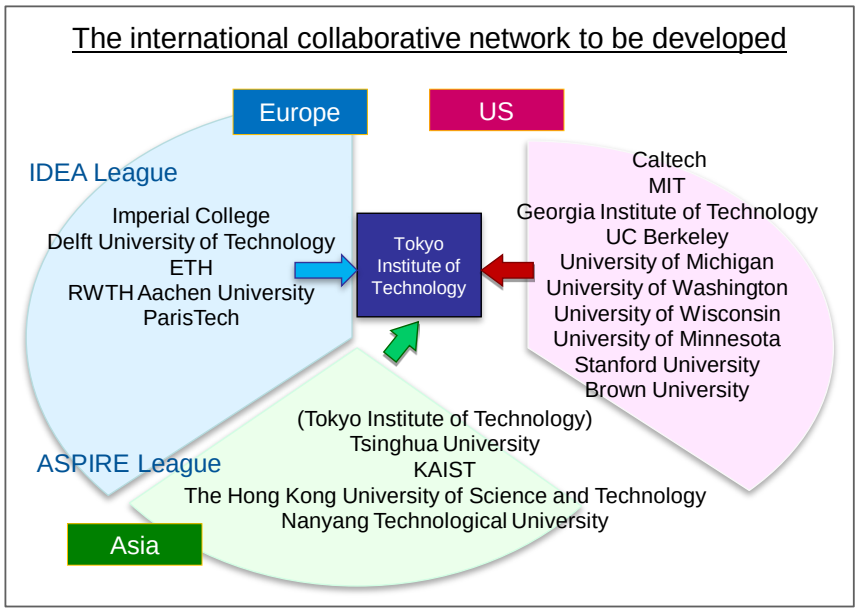
A Dual Master's Degree can be earned upon the completion of supervised studies and the submission of graduate theses at both universities under this program. For the Doctoral Program, thesis submission to either participating university is necessary to meet the degree requirements.

	Academic year 2009			Academic year 2010			Academic year 2011	
	Master's Program		Doctoral Program	Master's Program		Doctoral Program	Master's Program	Doctoral Program
	Tokyo Institute of Technology	Tsinghua University	Tokyo Institute of Technology	Tokyo Institute of Technology	Tsinghua University	Tokyo Institute of Technology	Tokyo Institute of Technology	Tokyo Institute of Technology
Nanotechnology Course	2	4	2	0	4	1	0	0
Bioscience and Biotechnology Course	1	3	0	0	2	1	3	0
Decision Science and Technology Course	1	2	0	1	3	1	3	1
Total	4	9	2	1	9	3	6	1

INTERNATIONAL COLLABORATION

International collaboration creates new opportunities and expands the global reach of Tokyo Institute of Technology for the benefit of all participants. International agreements covering academic and student exchange offer a bridge between Japan and over three dozen countries in all continents, which students and researchers can use to further their research and share their progress with an ever growing community of top-level scientists. Specifically, Tokyo Institute of Technology has reorganized its international functions under the International Office, which formulates the global strategy to strengthen collaborative partnerships abroad, while domestically focusing on developing a more international environment on campus. This internationalization makes it easier for overseas researchers to come to Japan, and better prepares Japanese researchers to go abroad.

International Networks



Tokyo Institute of Technology is active in developing international networks with leading Science and Engineering Universities across the globe.

International Office

Students

Domestic students

- Help improve English proficiency and/or other foreign language skills
- Encourage study abroad
- Foster an international mindset

International students

- Conduct more PR programs
- Reinforce scholarship system
- Promote cooperation with partner universities

Academics

- Provide support to enhance English-language proficiency
- Increase multinational academic staff
- Promote exchanges with overseas institutions
- Increase the number of visiting scholars from overseas

Management

- Reorganize into the integrated international office
- Establish an international advisory board
- Improve English language skills among office staff
- Provide more information in English
- Support international industry-university-government alliance projects

Curriculum

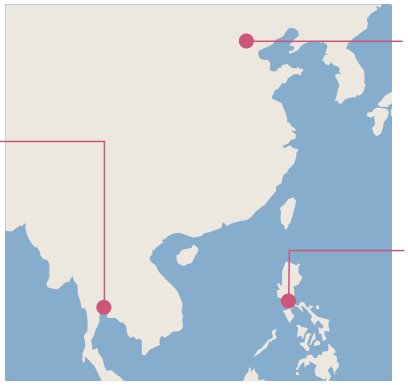
- Restructure and reinforce the International Graduate Program
- Provide distance learning opportunities to overseas students
- Joint postgraduate programs
- Education via satellite communication network/over the Internet

Overseas Offices

Tokyo Institute of Technology has university-wide exchange agreements and departmental agreements with about to 200 institusions world-wide. To facilitate strategic and collaborative partnerships, we have established three overseas offices in Thailand; the Philippines; and China.

Tokyo Tech Thailand Office

Founded in the Thailand Science Park in 2002, this office offers distance education using satellite communication network and high capacity internet, while also conducting a project called Thailand Advanced Institute of Science and Technology-Tokyo Tech (TAIST) in cooperation with the National Science and Technology Development Agency of Thailand (NSTDA).



Tokyo Tech China Office

Founded in 2006 on the Tsinghua University campus, Beijing, this office seeks to promote exchange programs. Notably, the Tokyo Institute of Technology-Tsinghua University Joint Graduate Program allows students to obtain a dual degree.

Tokyo Tech Philippines Office

Founded in 2005 on the De La Salle University campus, Manila. Satellite communication and a TV conference system are available to support the various research and education projects under way, reflecting the longstanding friendship between the two countries.

JSPS International Scientific Cooperation Programs Awarded to Tokyo Tech

(FY2010)

Programs	Number of programs
Bilateral Programs(Joint Research Projects and Seminars)	11(6)
Asia and Africa (AA) Science Platform Program	1(1)
Asian CORE Program	1
JSPS Core-to-Core Program	1
G8 Research Councils Initiative on Multilateral Research Funding	1
International Scientific Meetings in Japan	2
Program for Sending Researchers to Specified Countries	1
Travel Grant for Academic Meetings	4
JSPS RONPAKU(Dissertation Ph.D.)Program	6
Postdoctoral Fellowship for Research Abroad	1(1)
Institutional Program for Young Researcher Overseas Visits	2(2)
JSPS Summer Program	4

Programs	Number of programs
Strategic Young Researcher Overseas Visits Program for Accelerating Brain Circulation	1
JSPS International Training Program	2(2)
Excellent Young Researcher Overseas visit Program	5(5)
Invitation Fellowship Programs for Research in Japan(Short-term)	10
Invitation Fellowship Programs for Research in Japan(Long-term)	1
Invitation Fellowship Programs for Research in Japan (nominated by Counterpart Institution)	4
Postdoctoral Fellowship for Foreign Researchers(Standard)	45(33)
JSPS Postdoctoral Fellowship Program (Short-term) for North American and European Researchers	3

Note: Figures given in parentheses represent the number of ongoing programs which have started in or before 2009. JSPS stands for the Japan Society for the Promotion of Science.

Dispatch of Technical Cooperation Experts by Japan International Cooperation Agency (JICA)

(FY2010)

Name	Affiliation	Project Title	Country	Period
MATSUSHITA, Yoshihisa	Graduate School of Science and Engineering	Egypt-Japan University for Science and Technology	Egypt	May2.10-May1.12
KANAE, Shinjiro	Graduate School of information Science and Engineering	Egypt-Japan University for Science and Technology	Egypt	May29.10-Jun9.10
IIJIMA, Junichi	Graduate School of Decision Science and Technology	Egypt-Japan University for Science and Technology	Egypt	May29.10-Jun4.10
OKURA, Ichiro	Graduate School of Science and Engineering	Egypt-Japan University for Science and Technology	Egypt	Jun2.10-Jun4.10
NAKASAKI, Kiyohiko	Graduate School of Science and Engineering	AUN/SEED-Net Phase2	The Philippines	Jul20.10-Jul24.10
MIKI, Chitoshi	Graduate School of Science and Engineering	Egypt-Japan University for Science and Technology	Egypt	Jul31.10-Aug7.10
FUKUSHIMA, E Fumihiko	Graduate School of Science and Engineering	Visit to Angola for "Preparatory Study on Mine Clearance and Anti-mine Action Program"	Angola	Aug22.10-Aug29.10
FUJII, Nobuo	International Office	AUN/SEED-Net Phase2	Thailand,The Philippines	Sep5.10-Sep10.10
KUNIEDA, Hiroaki	Graduate School of Science and Engineering	AUN/SEED-Net Phase2	The Philippines	Sep7.10-Sep10.10
TAKAHASHI, Kunio	Graduate School of Science and Engineering	Project for Welding Technique Improvement	Indonesia	Sep20.10-Sep24.10
YOSHIKAWA, Kunio	Frontier Research Center	AUN/SEED-Net Phase2	Malaysia,Vietnam, Indonesia	Sep23.10-Oct.3.10
OKUMA, Masaaki	Graduate School of Science and Engineering	AUN/SEED-Net Phase2	Vietnam	Nov2.10-Nov9.10
MIKI, Chitoshi	Graduate School of Science and Engineering	AUN/SEED-Net Phase2	Brunei	Nov7.10-Nov9.10
WIJEYEWICKREMA, Anil C	Graduate School of Science and Engineering	AUN/SEED-Net Phase2	Thailand,The Philippines	Nov8.10-Nov13.10
MATSUMOTO, Koji	Graduate School of Science and Engineering	AUN/SEED-Net Phase2	Thailand,The Philippines	Nov.8.10-Nov13.10
HINODE, Hirofumi	Graduate School of Science and Engineering	AUN/SEED-Net Phase2	The Philippines	Nov9.10-Nov14.10
NAKASAKI, Kiyohiko	Graduate School of Science and Engineering	AUN/SEED-Net Phase2	The Philippines	Nov9.10-Nov14.10
TAKEMURA, Jiro	Graduate School of Science and Engineering	AUN/SEED-Net Phase2	The Philippines	Nov10.10-Nov14.10
MIKI, Chitoshi	Graduate School of Science and Engineering	AUN/SEED-Net Phase2	Thailand	Nov21.10-Nov24.10
KURABAYASHI, Daisuke	Graduate School of Science and Engineering	AUN/SEED-Net Phase2	Malaysia	Dec7.10-Dec12.10
SAITO, Yoshio	Graduate School of Science and Engineering	AUN/SEED-Net Phase2	Malaysia	Dec7.10-Dec12.10
HINODE, Hirofumi	Graduate School of Science and Engineering	AUN/SEED-Net Phase2	The Philippines	Jan18.11-Jan22.11
TAKESHITA, Kenji	Research Laboratory for Nuclear Reactors	AUN/SEED-Net Phase2	Malaysia	Feb20.11-Feb23.11
YAMAKITA, Masaki	Graduate School of Science and Engineering	AUN/SEED-Net Phase2	Thailand,Cambodia,Laos	Feb27.11-Mar13.11
NAKAMOTO, Takamichi	Graduate School of Science and Engineering	AUN/SEED-Net Phase2	Thailand	Feb28.11-Mar4.11
KISHIMOTO, Kikuo	Graduate School of Science and Engineering	AUN/SEED-Net Phase2	The Philippines	Mar3.11-Mar5.11
OHMACHI, Tatsuo	Interdisciplinary Graduate School of Science and Engineering	AUN/SEED-Net Phase2	Indonesia, Malaysia	Mar14.11-Mar20.11
YAMASHITA, Yukihiko	Graduate School of Science and Engineering	AUN/SEED-Net Phase2	Thailand	Mar29.11-Apr1.11

INTERNATIONAL COLLABORATION

Academic Cooperation Agreements (University-wide Agreements)

(As of May 1, 2011)

Region	Countries and Area	University/Institute	Concluded	Area of Exchange
Asia	China	Harbin Institute of Technology	1980.10	F.S.I.
		Tsinghua University	1985.4	F.S.I.
		Shanghai Jiao Tong University	1991.8	F.S.I.
		Peking University	1991.8	F.S.I.
		Xi'an Jiaotong University	1991.8	F.S.I.
		Zhejiang University	1993.9	F.S.I.
		Beijing Institute of Technology	1993.12	F.S.I.
		University of Science and Technology of China	1997.9	F.S.I.
		Dalian University of Technology	2006.11	F.S.I.
		Tongji University	2007.4	F.S.I.
		Tianjin University	2007.8	F.S.I.
		The Hong Kong University of Science and Technology	2010.4	F.S.I.
	India	Indian Institute of Technology Delhi	1994.7	F.S.I.
	Indonesia	Bandung Institute of Technology	1988.6	F.S.I.
		Universitas Indonesia	1992.12	F.S.I.
		Universitas Gadjah Mada	2000.2	F.S.I.
	Korea	Korea Advanced Institute of Science and Technology (KAIST)	1986.5	F.S.I.
		Korea Institute of Science and Technology (KIST)	1991.12	F.I.
		Korea Maritime University	1992.7	F.S.I.
		Korea University	1992.9	F.S.I.
		Kyungpook National University	1993.7	F.S.I.
		Hanyang University	1996.4	F.S.I.
		Yonsei University	2002.4	F.S.I.
		Pohang University of Science and Technology	2003.3	F.S.I.
		Seoul National University	2007.3	F.S.I.
		SungKyunKwan University	2008.10	F.S.I.
	Mongolia	Mongolian University of Science and Technology	2003.6	F.S.I.
		National University of Mongolia	2007.4	F.S.I.
	Philippines	De La Salle University	1992.5	F.S.I.
		University of the Philippines	1992.8	F.S.I.
	Singapore	National University of Singapore	1991.2	F.S.I.
		Nanyang Technological University	2009.12	F.S.I.
	Taiwan	National Cheng Kung University	1997.11	F.S.I.
		National Tsing Hua University	1998.11	F.S.I.
		National Taiwan University	1999.1	F.S.I.
		National Chiao Tung University	2004.11	F.S.I.
		National Central University	2007.10	F.S.I.
	Thailand	Chulalongkorn University	1985.10	F.S.I.
		King Mongkut's Institute of Technology Ladkrabang	1992.11	F.S.I.
		Thammasat University	1996.3	F.S.I.
		Kasetsart University	1996.12	F.S.I.
		National Science and Technology Development Agency (NSTDA)	2001.9	F.S.I.
		King Mongkut's University of Technology North Bangkok	2005.1	F.S.I.
Asia	Thailand	Asian Institute of Technology	2005.12	F.S.I.
		TAIST-Tokyo Tech	2006.12	F.S.I.
		King Mongkut's University of Technology Thonburi	2007.10	F.S.I.
	Vietnam	Hanoi University of Science and Technology	1995.8	F.S.I.
		Hanoi University of Science	1995.8	F.S.I.
North America	Canada	University of Waterloo	2006.12	F.S.I.
	U.S.A.	University of Washington	1974.5	F.S.I.
		Oregon State University	1992.7	F.S.I.
		University of Wisconsin-Madison	1992.8	F.S.I.
		University of Maryland Baltimore County, College Park	1992.11	F.S.I.
		Georgia Institute of Technology	2001.1	F.S.I.
		The Pennsylvania State University	2002.5	F.S.I.
		The University of Wisconsin-Milwaukee	2004.4	F.S.I.
Central and South America	Brazil	Universidade de São Paulo	1991.5	F.S.I.
Europe	Belgium	University of Ghent	1992.9	F.S.I.
		Université Libre de Bruxelles(ULB)	1994.5	F.S.I.
	Denmark	Technical University of Denmark	1992.9	F.S.I.
		Carlsberg Laboratory and University of Copenhagen	2007.8	F.S.I.
	Finland	Aalto University	1995.10	F.S.I.
		Lappeenranta University of Technology	1999.4	F.S.I.
	France	École Nationale des Ponts et Chaussées*	1992.9	F.S.I.
		École Nationale Supérieure d'Arts et Métiers*	2002.4	F.S.I.
		University of Rennes 1	2002.5	F.S.I.
		University of Strasbourg	2004.4	F.S.I.
		École Polytechnique*	2006.2	S.
		Paris Tech**	2007.4	F.S.I.
		École Nationale Supérieure des Mines de Paris*	2007.4	F.S.I.
	Germany	Technische Universität München	1982.7	F.S.I.
		Universität Stuttgart	1992.4	F.S.I.
		Johannes Gutenberg-Universität Mainz	2001.8	F.S.I.
		Leibniz Universität Hannover	2004.2	F.S.I.
		Rheinisch-Westfälische Technische Hochschule Aachen	2007.9	F.S.I.
		Berlin Institute of Technology	2008.10	F.S.I.
	Italy	University of Bologna	1997.3	F.S.I.
		University of Rome "La Sapienza"	1998.9	F.S.I.
		Politecnico di Milano	2002.5	F.S.I.
	Netherlands	Delft University of Technology	2009.2	F.S.I.
	Norway	Norwegian University of Science and Technology	1993.2	F.S.I.
	Russia	Moscow Engineering Physics Institute	1993.6	F.S.I.

Region	Countries and Area	University/Institute	Concluded	Area of Exchange
Europe	Sweden	Royal Institute of Technology (KTH)	1991.9	F.S.I.
		Chalmers University of Technology	1992.10	F.S.I.
		Linköping University	2008.2	F.S.I.
	Switzerland	Swiss Federal Institute of Technology, Zurich (ETH)	1978.9	F.S.I.
		University of Zurich	2007.7	F.S.I.
		École Polytechnique Federale de Lausanne (EPFL)	2011.3	F.S.I.
	U.K.	University of Strathclyde	1993.2	F.S.I.
		Churchill College, University of Cambridge	2001.3	F.I.
Europe	U.K.	University of Durham	2010.11	F.S.I.
Oceania	Australia	University of Melbourne	1994.8	F.S.I.
		University of Technology, Sydney	2003.4	F.S.I.
Middle East	Iran	Sharif University of Technology	2000.11	F.S.I.
	Turkey	Middle East Technical University	1992.12	F.S.I.
		Bogazici University	1998.3	F.S.I.

'* = French "grandes ecoles" ** = Institution created by "grandes ecoles" of science and technology in Paris
Note: F stands for faculty, staff and/or researchers, S for students, and I for academic information.

Academic Cooperation Agreements (School-to-School Agreements)

(As of May 1, 2011)

Region	Countries and Area	University/Institute	Counterpart	Concluded	Area of Exchange
Asia	China	University of Science and Technology, Beijing	School of Eng. / Interdisciplinary Graduate School of Sci. and Eng.	1980.8	F.I.
		Tsinghua University (Center of Science , Technology and Society)	Graduate School of Decision Sci. and Tech. (Industrial Eng. and Management)	2001.9	F.S.I.
		Shanghai University (Precision Machinery Institute)	Precision and Intelligence Lab.	2005.10	F.S.I.
		Hong Kong University of Science and Technology (School of Science)	Graduate School of Bioscience and Biotechnology	2006.10	F.S.I.
		Dalian University of Technology (School of Materials Science and Engineering)	Graduate School of Sci. and Eng. (Metallurgy and Ceramics Sci.)	2008.3	F.S.I.
		Northeast Normal University (School of Physics, School of Urban and Environmental Science, and School of Computer Science)	Interdisciplinary Graduate School of Sci. and Eng.	2008.6	F.S.I.
		Nanjing University of Science and Technology(School of Mechanical Engineering)	Interdisciplinary Graduate School of Sci. and Eng.	2009.9	F.S.I.
		Chinese Academy of Sciences (The Key Laboratory of Solar Thermal Energy and Photovoltaic System, Institute of Electrical Engineering)	Solutions Research Organization, Integrated Research Institute	2009.11	F.S.I.
		Southeast University (State Key Laboratory of Bioelectronics)	Chemical Resources Laboratory	2010.1	F.S.I.
		Beijing University of Chemical Technology (College of Materials Science and Engineering)	Chemical Resources Laboratory	2010.1	F.S.I.
		Southeast University (School of Biological Science and Medical Engineering)	Interdisciplinary Graduate School of Sci. and Eng.	2010.3	F.S.I.
		Beijing University of Chemical Technology (College of Materials Science and Engineering)	Interdisciplinary Graduate School of Sci. and Eng.	2010.3	F.S.I.
	India	VIT University (School of Information Technology and Engineering (SITE))	Graduate School of Sci. and Eng. (Chemical Eng.)	2010.5	F.S.I.
	Indonesia	Indonesian National Atomic Energy Agency	Research Lab. for Nuclear Reactors	1997.6	F.I.
		Institute of Technology Bandung (School of Business and Management)	Center for Agent-Based Social Systems Sciences	2008.5	F.S.I.
	Kazakhstan	Al-Farabi Kazakh National University (Chemistry Faculty)	Graduate School of Sci. and Eng. (Chemical Eng.)	2006.11	F.S.I.
		Kazakh-British Technical University (Faculty of Energy and Oil and Gas Industry)	Graduate School of Sci. and Eng. (Chemical Eng.)	2006.11	F.S.I.
	Korea	Korea Advanced Institute of Science and Technology (KAIST), (Center for Advanced Reactor Research)	Research Lab. for Nuclear Reactors	1993.8	F.I.
		Seoul National University (School of Mechanical and Aerospace Engineering)	School of Eng. (Mechanical Eng.)	1999.4	F.S.I.
		Inha University (Dept. of Chemical Engineering)	Graduate School of Sci. and Eng. (Chemical Eng.)	2000.2	F.S.I.
		Korea University (Department of Materials Science and Engineering)	Graduate School of Sci. and Eng. (Metallurgy and Ceramics Sci.)	2005.10	F.S.I.
		Hanyang University (School of Mechanical Engineering)	Gragudate School of Information Sci. and Eng. (Mechanical and Environmental Informatics)	2006.3	F.S.I.
		Seoul National University (School of Economics)	Graduate School of Decision Sci. and Tech.	2006.4	F.S.I.
		Pusan National University (School of Mechanical Engineering)	Graduate School of Sci. and Eng. (Mechanical Engineering Departments)	2006.4	F.S.I.
		Korea Institute of Industrial Technology (Gwangju Research Center)	Precision and Intelligence Lab.	2007.3	F.I.
		Kongju National University (Division of Architectural Engineering and Architecture, College of Engineering)	Materials and Structures Lab.	2007.9	F.S.I.
		Kyung Hee University (Regional Innovation Center for Components and Materials for Information Display (RIC-CAMID))	Education and Research Center for Material Innovation	2008.1	F.S.I.
		Korea Institute of Machinery & Materials	Precision and Intelligence Lab.	2008.1	F.I.

INTERNATIONAL COLLABORATION

Region	Countries and Area	University/Institute	Counterpart	Concluded	Area of Exchange
Asia	Laos	Government of Luang Prabang, Lao PDR (Department of Heritage Luang Prabang)	Graduate School of Sci. and Eng.(International Development Eng.) and Global Scientific Information and Computing Center	2006.4	F.I.
	Philippines	University of the Philippines (Dept. of Civil Engineering, TTC, NHRC, SURP)	School of Eng. (Civil and Environmental Eng.)	1993.4	F.S.I.
		De La Salle University (Dept. of Chemical Engineering)	Graduate School of Sci. and Eng. (Chemical Eng.)	2005.9	F.S.I.
		The Technological University of the Philippines (The College of Engineering)	Graduate School of Sci. and Eng. (International Development Eng.)	2010.9	F.S.I.
	Taiwan	National Central University (Research Center for Hazard Mitigation and Prevention)	Center for Urban Earthquake Eng.	2005.11	F.S.I.
		National Yang-Ming University (School of Life Sciences)	Graduate School of Bioscience and Biotechnology	2006.9	F.S.I.
		National Yang-Ming University (The School of Medical Technology and Engineering)	Graduate School of Bioscience and Biotechnology	2006.9	F.S.I.
		National Yang-Ming University (Research Center for Drug Discovery & Institute of Biopharmaceutical Science)	Graduate School of Bioscience and Biotechnology	2006.9	F.S.I.
		National Chengchi University (AI-Econ Research Center)	Center for Agent-Based Social Systems Sciences	2008.7	F.S.I.
	Thailand	Asian Institute of Technology (School of Engineering and Technology)	Global Scientific Information and Computing Center	2005.12	F.S.I.
		Thammasat University (Chemical Engineering Dept., Faculty of Engineering)	Graduate School of Sci. and Eng. (Chemical Eng.)	2006.9	F.S.I.
		Chulalongkorn University (Faculty of Engineering)	Global Scientific Information and Computing Center	2007.6	F.I.
		Chiang Mai University (Faculty of Engineering)	Graduate School of Engineering	2010.3	F.S.I.
		Chiang Mai University (Faculty of Engineering)	Global Scientific Information and Computing Center	2010.3	F.I.
		Chulalongkorn University (Department of Nuclear Technology, Faculty of Engineering)	Research Lab. for Nuclear Reactors	2010.5	F.I.
		Mahidol University (Faculty of Science and Faculty of Graduate Studies)	Graduate School of Bioscience and Biotechnology	2010.6	F.S.I.
		The United Nations Educational Scientific and Cultural Organization, Asia and Pacific Regional Bureau for Education (UNESCO BANGKOK)	Global Scientific Information and Computing Center, and Graduate School of Engineering (International Development Engineering)	2011.2	F.S.I.
	Vietnam	Vietnam Atomic Energy Commission	Research Lab. for Nuclear Reactors	1999.11	F.I.
		Hanoi University of Science (Department of Physics)	Research Lab. for Nuclear Reactors	2003.10	F.S.I.
		Hanoi University of Science and Technology Hitachi-GE Nuclear Energy Ltd.	Research Lab. for Nuclear Reactors	2011.4	F.S.I.
North America	Canada	Environment Canada (Numerical Prediction Research Division)	Global Scientific Information and Computing Center	2002.12	F.I.
		Simon Fraser University (School of Engineering Science)	Graduate School of Information Sci. and Eng. (Mechanical and Environmental Informatics)	2007.10	F.S.I.
	U.S.A.	University of Washington (Dept. of Architecture, School of Architecture and Urban Planning)	School of Eng. (Architecture and Building Eng.)	1978.1	F.S.I.
		Massachusetts Institute of Technology (Dept. of Mechanical Engineering)	School of Eng. (Control and Systems Eng.)	1991.6	F.S.I.
		Stanford University (Dept. of Mechanical Engineering)	School of Eng. (Mechanical Eng.)	1999.10	F.S.I.
		University of California, San Diego (San Diego Supercomputer Center)	Global Scientific Information and Computing Center	2003.1	F.I.
		George Mason University (Center for Social Complexity)	Interdisciplinary Graduate School of Sci. and Eng.	2005.2	F.S.I.
		University of Minnesota (Institute of Technology)	School of Eng.	2005.2	S
		Massachusetts Institute of Technology (Center for Advanced Nuclear Energy Systems)	Center for Research into Innovative Nuclear Energy Systems	2006.2	F.S.I.
		Rice University (Department of Electrical and Computer Eng.)	Imaging Sci. and Eng. Lab.	2006.5	F.S.I.
		Massachusetts Institute of Technology (Dept. of Mechanical Engineering)	Graduate School of Sci. and Eng. (Mechanical Engineering Departments)	2007.4	F.S.I.
			Graduate School of Information Sci. and Eng. (Mechanical and Environmental Informatics)		
		University of California, San Diego (San Diego Supercomputer Center)	Graduate School of Information Sci. and Eng.	2007.9	F.S.I.
		Rice University (Electrical and Computer Engineering)	Interdisciplinary Graduate School of Sci. and Eng. (Electronics and Applied Physics)	2008.2	F.S.I.
		Rice University (Richard E. Smalley Institute for Nanoscale Science & Technology)	Graduate School of Sci. & Eng. (Dept. of Condensed Matter Physics)	2008.2	F.S.I.
		The College of Engineering of the University of California, Berkeley (Pacific Earthquake Engineering Research Center)	Center for Urban Earthquake Eng.	2008.2	F.S.I.
		University of Pennsylvania (Ackoff Collaboratory for the Advancement of the Systems Approach)	Center for Agent-Based Social Systems Sciences	2008.7	F.S.I.
		IBM Almaden Research Center (Almaden Services Research)	Center for Agent-Based Social Systems Sciences	2008.7	F.S.I.
		Pennsylvania State University (Dept. of Materials Science and Engineering)	Graduate School of Sci. and Eng. (Ceramics Science Division in the Dept. of Metallurgy and Ceramics Science)	2009.4	F.S.I.
		University of Wisconsin-Madison (College of Engineering)	Graduate School of Sci. and Eng.	2010.9	S
		University of Hawaii at Manoa (Mechanical Engineering)	Graduate School of Sci. and Eng. (Mechanical and Control Engineering)	2011.3	F.S.I.

Region	Countries and Area	University/Institute	Counterpart	Concluded	Area of Exchange
Europe	Austria	Vienna University of Technology (Faculty of Architecture and Planning)	School of Eng.	2009.9	F.S.I.
	Finland	Aalto University (Innovation Management Institute, BIT Research Centre)	Center for Agent-Based Social Systems Sciences	2008.9	F.S.I.
		Aalto University（Systems Analysis Laboratory）	Center for Agent-Based Social Systems Sciences	2008.9	F.S.I.
		University of Jyväskylä (Faculty of Information Technology and Agora Center)	Graduate School of Decision Sci. and Tech.	2009.3	F.S.I.
	France	Ecole d'Architecture de Paris la Villette	School of Eng.	2000.7	S
		CEMHTI, Centre National de la Recherche Scientifique	Research Lab. for Nuclear Reactors	2008.9	F.S.I.
	Germany	Paul-Drude-Institut Berlin	Quantum Nanoelectronics Research Center	1994.9	F.I.
		Forschungszentrum Karlsruhe GmbH	Research Lab. for Nuclear Reactors	1998.2	F.I.
			Precision and Intelligence Lab.	2000.7	F.I.
		Ludwig-Maximilians-Universität Munchen (Humanwissenschaftliches Zentrum)	Interdisciplinary Graduate School of Sci. and Eng.	2001.5	F.S.I.
		University of Kassel (Institute of Physics, Faculty of Natural Sciences)	Graduate School of Sci. and Eng. (Chemistry)	2006.9	F.S.I.
		German Cancer Research Center	Graduate School of Bioscience and Biotechnology	2008.5	F.S.I.
		Fraunhofer Ernst-Mach-Institut	Materials and Structures Lab.	2008.11	F.S.I.
		Max Planck Institute (Center for Adaptive Behavior and Cognition)	Graduate School of Decision Sci. and Tech.	2009.3	F.S.I.
		Heidelberg University (Institute of Pharmacy and Molecular Biotechnology (IPMB))	Graduate School of Bioscience and Biotechnology	2009.9	F.S.I.
		Heidelberg University (Biochemistry Center)	Graduate School of Bioscience and Biotechnology	2009.9	F.S.I.
		Hamburg University of Technology (School of Management Science and Technology)	Graduate School of Decision Sci. and Tech.	2010.10	F.S.I.
		University of Erlangen-Nuremberg (School of Engineering)	Global Scientific Information and Computing Center	2010.11	F.S.I.
	Italy	Instituto dei Materiali per l' Elettronica ed il Magnetismo, Consiglio Nazionale delle Ricerche	Graduate School of Sci. and Eng.	2007.10	F.S.I.
		University of Trento (The Faculty of Cognitive Science)	Graduate School of Decision Sci. and Tech.	2010.2	F.S.I.
		University of Pisa (Faculty of Engineering)	Graduate School of Engineering	2010.4	F.S.I.
		Institute for Computing Applications-National Research Council (CNR)	Global Scientific Information and Computing Center	2011.2	F.I.
	Netherlands	Delft University of Technology (Faculty of Electrical Engineering, Mathematics and Computer Science)	School of Eng.	1998.9	S.
		Delft University of Technology (Faculty of Architecture)	School of Eng.	2000.8	S.
	Romania	Babes-Bolyai University of Cluj-Napoca(Faculty of Physics)	Research Lab. for Nuclear Reactors	2008.3	F.S.I.
	Russia	Obninsk Institute of Nuclear Power Engineering	Research Lab. for Nuclear Reactors	1998.1	F.S.I.
		Boreskov Institute of Catalysis (BIC)	Research Lab. for Nuclear Reactors	2008.1	F.S.I.
		Russian Academy of Sciences (Central Economics and Mathematics Institute)	Center for Agent-Based Social Systems Sciences	2008.11	F.S.I.
	Serbia	University of Belgrade (Vinca Institute of Nuclear Sciences)	Research Lab. for Nuclear Reactors	2011.4	F.S.I.
	Slovenia	University of Ljubljana (Faculty of Arts)	International Student Center	2007.2	F.S.I.
	Spain	University of Seville (Department of Condensed Matter Physics)	Materials and Structures Lab.	2010.3	F.S.I.
		Universidad Politécnica de Madrid	Graduate School of Engineering	2010.5	F.S.I.
	Sweden	Gotland University (Department Game Design, Narrative and Time-based Media)	Graduate School of Information Sci. and Eng.	2006.9	F.S.
	Switzerland	University of Geneva (Faculty of Science)	School of Sci., School of Eng., Interdisciplinary Graduate School of Sci. and Eng.	2002.4	F.S.I.
		ETH Zurich, Department of Computer Science	Graduate School of Information Sci. and Eng.	2007.2	F.S.I.
		École Polytechnique Fédérale de Lausanne (EPFL) (Institute of Bioengineering)	Graduate School of Bioscience and Biotechnology	2009.9	F.S.I.
		École Polytechnique Fédérale de Lausanne (EPFL) (the Institute of the Physics of Biological Systems (IPSB))	Graduate School of Bioscience and Biotechnology	2009.9	F.S.I.
	U.K.	University of Cambridge (Dep.of Engineering)	Graduate School of Sci. and Eng.	2005.4	S.
		Imperial College of Science,Technology and Medicine (Faculty of Engineering)	Graduate School of Eng.	2005.4	S.
		Cranfield University (Dept. of Power, Propulsion and Aerospace Engineering, School of Engineering)	Research Lab. for Nuclear Reactors	2005.11	F.S.I.
		University of Hull (Business School)	Center for Agent-Based Social Systems Sciences	2006.9	F.S.I.
		University of Oxford (Dept. of Engineering Science)	Graduate School of Sci. and Eng.	2006.10	S.
		University of Warwick (School of Engineering)	Graduate School of Sci. and Eng.	2007.10	S.
		University of Oxford (Dept. of Chemistry)	Graduate School of Sci. and Eng.	2008.1	S.
		University of Cambridge (Dep.of Chemistry)	Graduate School of Sci. and Eng.	2008.4	S.
		University of Oxford (Dept. of Materials)	Graduate School of Sci. and Eng.	2008.5	S.
		The University of Bristol (Earthquake Engineering Research Centre)	Center for Urban Earthquake Eng.	2009.1	F.S.I.
		The University of York (Dept. of Chemistry)	Chemical Resources Laboratory	2011.2	F.S.I.
		University of Manchester (Photon Science Institute/School of Chemistry)	Chemical Resources Laboratory	2011.2	F.S.I.
		Imperial College of Science, Technology and Medicine (Dept. of Chemistry)	Graduate School of Bioscience and Biotechnology	2011.3	F.S.I.

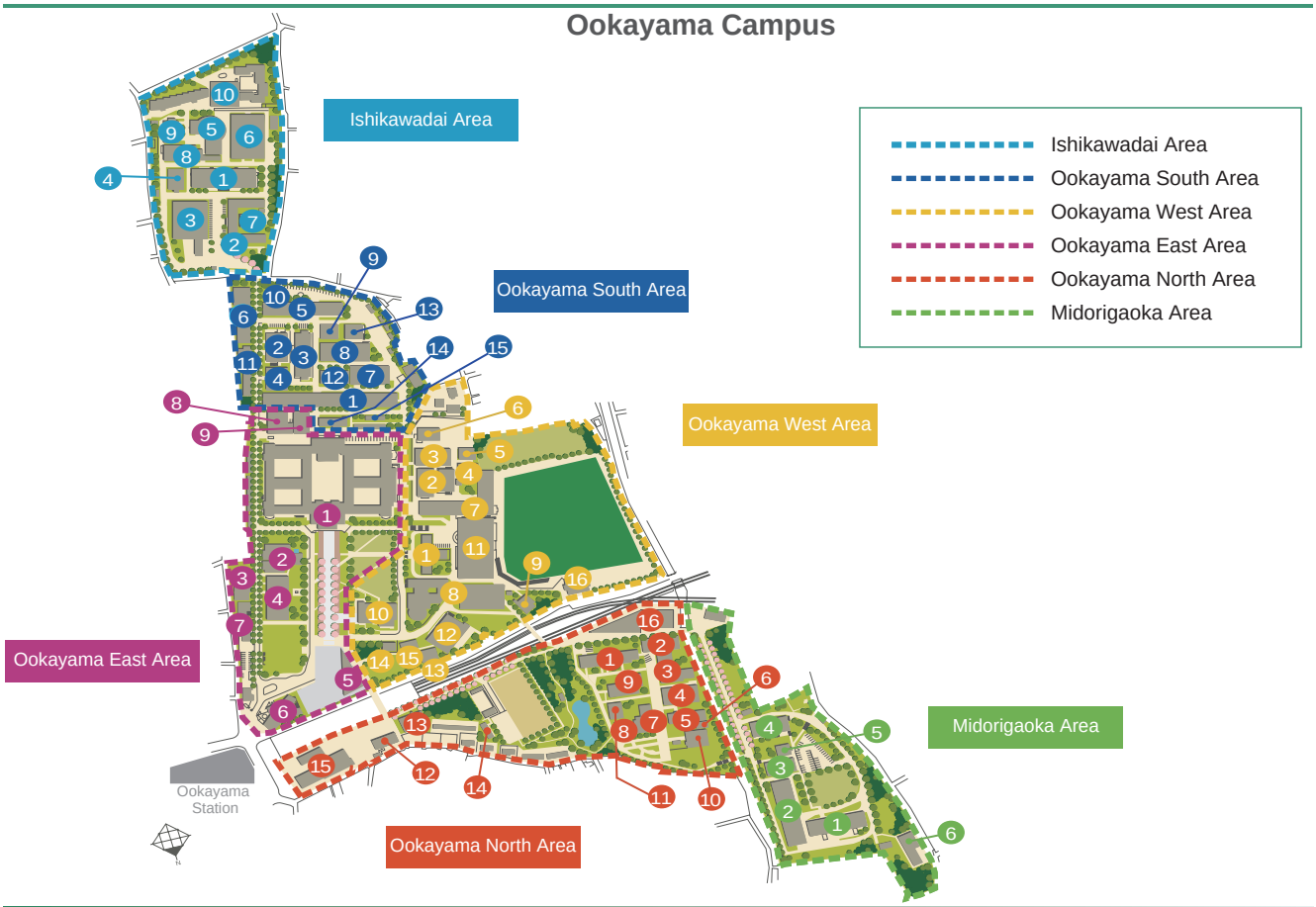
INTERNATIONAL COLLABORATION

Region	Countries and Area	University/Institute	Counterpart	Concluded	Area of Exchange
Oceania	Australia	Royal Melbourne Institute of Technology (School of Architecture and Design, Faculty of Infrastructure and Environment)	School of Eng. (Architecture and Building Eng.)	1999.8	F.S.I.
		Monash University (Faculty of Engineering)	Graduate School of Sci. and Eng.	2006.4	F.S.I.
	New Zealand	Victoria University of Wellington (Faculty of Science)	Graduate School of Sci. and Eng.	2006.4	F.S.I.
Africa	Egypt	Assiut University	Research Lab. for Nuclear Reactors	2010.2	F.S.I.
	South Africa	South African Institute for Aquatic Biodiversity	Graduate School of Bioscience and Biotechnology	2005.9	F.S.I.
	Tanzania	Tanzania Fisheries Research Institute	Graduate School of Bioscience and Biotechnology	2006.4	F.S.I.
Other	League	Asia-Oceania Top University League on Engineering (AOTULE)	Graduate School of Engineering	2007.3	F.S.I.
	Consortium	Delft University of Technology (Faculty of Mechanical, Maritime and Materials Engineering), the Netherlands	Graduate School of Sci. and Eng.(Mechanical Engineering Departments)	2009.3	S
		Technical University of Denmark (Dept. of Management Engineering and Mechanical Engineering), Denmark			
		Royal Institute of Technology (School of Industrial Engineering and Management), Sweden			
		Osaka University (Graduate School of Engineering), Japan			
		University of Tokyo (School of Engineering, and Graduate School of Frontier Sciences), Japan			
		European Nuclear Education Network Association, France	Graduate School of Engineering (Nuclear Engineering) , Research Lab. for Nuclear Reactors	2010.6	S
		Institut national des sciences et techniques nucléaires, France			
		École des Mines de Nantes, France			
		University Politechnica Bucharest (Faculty of Power Engineering), Romania			
		Slovak University of Technology in Bratislava, Department of Nuclear Physics and Technology, Slovakia			
		Kyoto University(Research Reactor Institute), Japan			
		Japan Atomic Energy Agency (Nuclear Human Resourse Development Center), Japan			
		European Nuclear Education Network Association	Graduate School of Engineering (Nuclear Engineering) , Research Lab. for Nuclear Reactors	2009.3	F.S.I.
		Joint Research Center（JRC）, European Commission	Center for Research into Innovative Nuclear Energy Systems	2010.11	F.I.
		Erasmus Mundus BEAM	Graduate School of Engineering	2010.7	F.S.I.

Note: F stands for faculty, staff and/or researchers, S for students, and I for academic information.

CAMPUS MAP

Ookayama Campus



Ishikawadai Area

1	Ishikawadai Bldg. 1	9,700m²	6	Ishikawadai Bldg. 6	6,830m²
2	Ishikawadai Bldg. 2	2,934m²	7	Ishikawadai Lab. Bldg. 1	341m²
3	Ishikawadai Bldg. 3	6,520m²	8	Venture Business Laboratory Bldg.	2,998m²
4	Ishikawadai Bldg. 4	2,109m²	9	Global Scientific Information and Computing Center (Collaboration)	1,180m²
5	Ishikawadai Bldg. 5	2,653m²	10	International House	4,453m²

Ookayama South Area

1	South Bldg. 1	12,578m²	9	South Bldg. 9	3,753m²
2	South Bldg. 2	2,528m²	10	South Lecture Bldg.	187m²
3	South Bldg. 3	9,544m²	11	South Lab. Bldg. 2	615m²
4	South Bldg. 4	2,793m²	12	South Lab. Bldg. 4	1,191m²
5	South Bldg. 5	7,443m²	13	Research Laboratory of Ultra-High Speed Electronics	935m²
6	South Bldg. 6	3,605m²	14	Research Center for Low Temperature Physics	474m²
7	South Bldg. 7	6,890m²	15	Laboratory of Low Temperature Physics	204m²
8	South Bldg. 8	9,379m²			

Ookayama West Area

1	West Bldg. 1	1,318m²	8	West Bldg. 9	21,108m²
2	West Bldg. 2	1,795m²	9	Environment Safety Management Bldg.	374m²
	West Bldg. 3	5,237m²	10	The 70th Anniversary Auditorium	1,301m²
3	West Bldg. 4	3,262m²	11	Gymnasium	4,811m²
4	West Bldg. 5	1,287m²	12	Student Hall (Cafeteria)	2,981m²
5	West Bldg. 6	854m²	13	Extracurricular Bldg. 1	798m²
6	West Bldg. 7	964m²	14	Extracurricular Bldg. 2	214m²
7	West Bldg. 8 (W)	9,830m²	15	Extracurricular Bldg. 3	298m²
	West Bldg. 8 (E)	8,000m²	16	Extracurricular Bldg. 4	1,147m²

Ookayama East Area

1	Main Bldg.	26,724m²	6	The Centennial Hall	2,687m²
2	Administration Bureau Bldg. (1・2)	2,998m²	7	Office of Industry Liaison (1・2)	787m²
3	Administration Bureau Bldg. 3	599m²	8	East Bldg. 1	2,870m²
4	Global Scientific Information and Computing Center (Computing)	3,507m²	9	East Bldg. 2	2,756m²
5	Institute Library	8,588m²			

Ookayama North Area

1	North Bldg. 1	3,275m²	9	North Lab. Bldg. 6	998m²
2	North Bldg. 2	3,330m²	10	Van de Graaff Lab.	364m²
3	North Lab. Bldg. 1	1,033m²	11	Radioisotope Lab.	504m²
4	North Lab. Bldg. 2A・2B	1,816m²	12	Health Service Center	452m²
5	North Lab. Bldg. 3A	695m²	13	The 80th Anniversary Hall	704m²
6	North Lab. Bldg. 3B	101m²	14	Extracurricular Bldg. 5	121m²
7	North Lab. Bldg. 4	732m²	15	Tokyo Tech Front	4,076m²
8	North Lab. Bldg. 5	200m²	16	Green Hills Bldg.1(Environmental Energy Innovation Bldg)	9,544m²

Midorigaoka Area

1	Midorigaoka Bldg. 1	6,595m²	4	Midorigaoka Bldg. 4	1,256m²
2	Midorigaoka Bldg. 2	1,509m²	5	Midorigaoka Lecture Bldg.	193m²
3	Midorigaoka Bldg. 3	2,554m²	6	Research Center for Urban Infrastructure	1,155m²

CAMPUS MAP

Suzukakedai Campus

B-Area	
1 B1 Bldg.	7,723m²
2 B2 Bldg.	8,380m²
3 B1・B2-Annex A	2,753m²
4 B1・B2-Annex B	1,622m²
5 B1・B2-Annex C	980m²

S-Area	
1 S1 Bldg.	6,000m²
2 S2 Bldg.	7,687m²
3 S3 Bldg.	4,697m²
4 S4 Bldg.	613m²
5 S5 Bldg.	440m²
6 S6 Bldg.	593m²
7 S7 Bldg.	1,672m²

R-Area	
1 R1 Bldg.	8,180m²
2 R1-Annex A	1,395m²
3 R1-Annex B	216m²
4 R2 Bldg.	8,582m²
5 R2-Annex A	656m²
6 R2-Annex B	1,001m²
7 R2-Annex C	711m²
8 R3 Main Bldg.	4,865m²
9 R3-Annex A	200m²
10 R3-Annex B	225m²
11 R3-Annex C	844m²
12 R3-Annex D	1,500m²

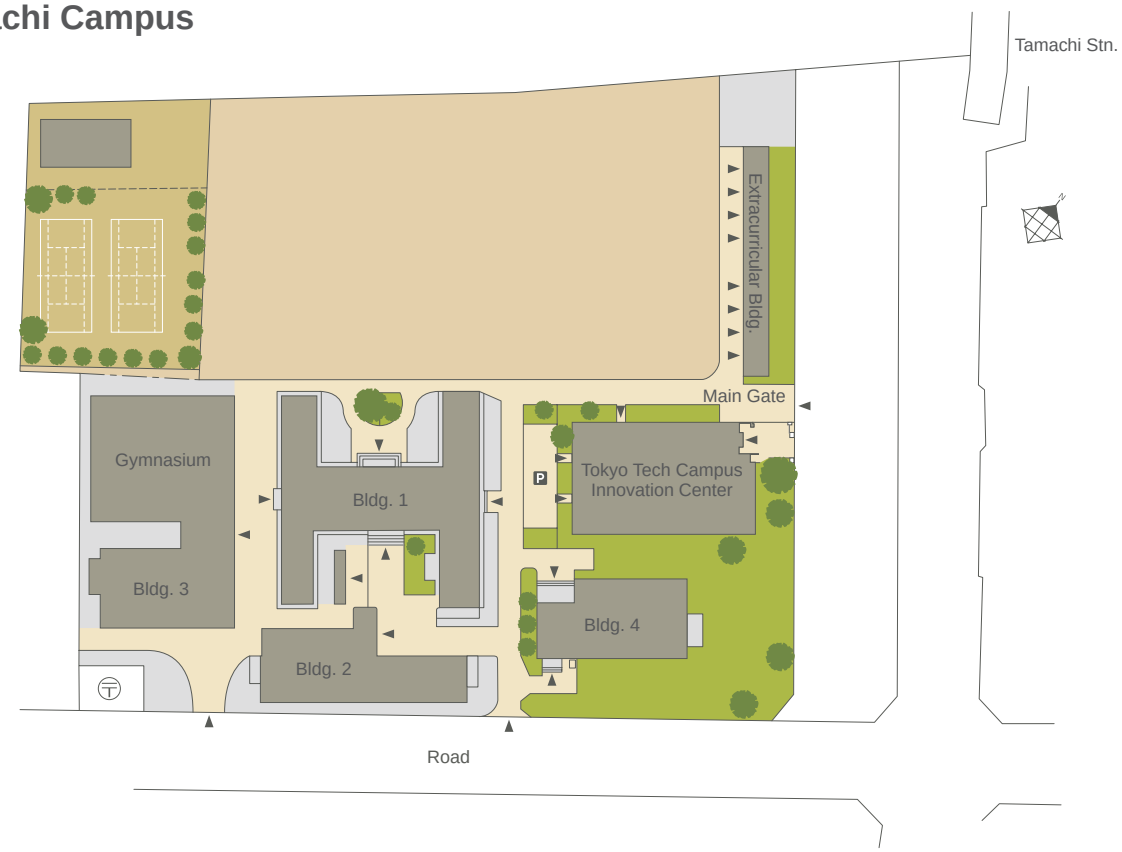
G-Area	
1 G1 Bldg.	9,571m²
2 G2 Bldg.	7,665m²
3 G3 Bldg.	11,669m²
4 G4 Bldg.	1,865m²
5 G4-Annex A	494m²
6 G5 Bldg.	6,720m²

H-Area	
1 H1 Bldg.	3,191m²
2 H2 Bldg.	

J-Area	
1 J1 Bldg.	6,277m²
2 J2・J3 Bldg.	27,960m²

Introductory Guide	
Graduate School of Bioscience and Biotechnology	B1-2
Interdisciplinary Graduate School of Science and Engineering	G1-5
Suzukake Hall	H1-2
Chemical Resources Laboratory	R1
Precision and Intelligence Laboratory	R2
Imaging Science and Engineering Laboratory	R2
Materials and Structures Laboratory	R3
Administration Office	J1 J2
Collaborative Research Bldg	S1
Frontier Research Center	S2
Institute Library	S3

Tamachi Campus



Tokyo Tech Facilities

Location/Area	Facilities	Address
Ookayama	**Ookayama Campus** Graduate School of Science and Engineering, Graduate School of Information Science and Engineering, Graduate School of Decision Science and Technology, Graduate School of Innovation Management, Research Laboratory for Nuclear Reactors, School of Science, School of Engineering, Administration Bureau	2-12-1 Ookayama, Meguro-ku, Tokyo 152-8550
	Tokyo Institute of Technology International House	1-1-18 Ishikawa-cho,Ota-ku, Tokyo 145-0061
Suzukakedai	**Suzukakedai Campus** Graduate School of Bioscience and Biotechnology, Interdisciplinary Graduate School of Science and Engineering, Chemical Resources Laboratory, Precision and Intelligence Laboratory, Materials and Structures Laboratory, School of Bioscience and Biotechnology, Collaborative Research Bldg. Administration Office	4259 Nagatsuta-cho, Midori-ku, Yokohama, Kanagawa Prefecture 226-8503
Tamachi	**Tamachi Campus** Tokyo Tech High School of Science and Technology	3-3-6 Shibaura, Minato-ku, Tokyo 108-0023
Shofudai	Shofu Gakusha Dormitory	21-13 Shofudai, Aoba-ku, Yokohama, Kanagawa Prefecture 227-0067
Umegaoka	Umegaoka Dormitory	17-2 Umegaoka, Aoba-ku, Yokohama, Kanagawa Prefecture 227-0052
Toda	Toda Boat House	1-55 Toda-koen, Toda-shi, Saitama Prefecture 335-0024
Enzan	Yanagisawa-toge Mountain Hut	2319-1 Aza-namezawa, Oaza-oyashiki, Enzan, Koshu-shi, Yamanashi Prefecture 402-0211
Kusatsu	Kusatsu-Shirane Volcano Observatory	641-36 Aza-takijirihara, Oaza-kusatsu, Kusatsu-cho, Agatsuma-gun, Gunma Prefecture 377-1711

HISTORY

History

1881 May
Tokyo Institute of Technology was founded by the Japanese Government, Department of Education, as the Tokyo Vocational School.

1890 March
Tokyo Vocational School was renamed Tokyo Technical School.

1901 May
Tokyo Technical School was renamed Tokyo Higher Technical School.

1929 April
The status of Tokyo Higher Technical School was elevated to a degree-conferring University as **Tokyo Kogyo Daigaku** (Tokyo Institute of Technology).

1949 May
The enactment of the National School Establishment Law promoted the reorganization of Tokyo Institute of Technology so as to comply with the nation's education system reform, extending its three-year courses into four years and establishing the School of Engineering within the university.

1951 April
The former Denpa Kogei High School and Kogei High School of Chiba University were integrated into the Technical High School, an affiliated high school, to the Institute.

1953 April
The Graduate School of Engineering was established.

1954 April
Tokyo Tech's six Research Laboratories: the Research Laboratory of Building Materials, the Research Laboratory of Resources Utilization, the Research Laboratory of Precision Machinery, the Research Laboratory of Ceramic Industry, the Research Laboratory of Electronics, and the Research Laboratory of Fuel Science, which were established in 1934, 1939, 1939, 1943, 1944, and 1944, respectively, were integrated and reorganized into four research laboratories: the Research Laboratory of Building Materials, the Research Laboratory of Resources Utilization, the Precision and Intelligence Laboratory and the Research Laboratory of Ceramic Industry.

1955 July
The School of Engineering was renamed the School of Science and Engineering.

1956 April
The Graduate School of Engineering was renamed the Graduate School of Science and Engineering.

1958 March
The Research Laboratory of Building Materials and the Research Laboratory of Ceramic Industry were integrated and reorganized into the Research Laboratory of Engineering Materials.

1964 April
The Research Laboratory for Nuclear Reactors was established.

1967 June
The School of Science and Engineering was divided into the School of Science and the School of Engineering. Tokyo Tech's affiliated high school, the Technical High School, became attached to the School of Engineering.

1971 April
The Health Service Center was established.

1975 April
The Interdisciplinary Graduate School of Science and Engineering was established at the Nagatsuta campus (now called the Suzukakedai campus).

1976 May
The Computer Center was established.

1979 April
The International Cooperation Center for Science and Technology was established.

1982 April
The Center for Research Cooperation and Information Exchange was established.

1983 April
The Research Center for Educational Facilities was established.

1988 April
The Education Center for Foreign Students was established. Also the Kusatsu-Shirane Volcano Observatory was established.

1989 May
The Gene Research Center was established in Ookayama (later it moved to the Suzukakedai campus).

1990 June
The School of Bioscience and Biotechnology was established on the Nagatsuta campus.

1991 April
The Experimental Center for Very Low Temperature and Energy Technique established in 1981 was reorganized into the Research Center for Very Low Temperature System.

1992 April
The Graduate School of Bioscience and Biotechnology was established on the Nagatsuta campus. The Research Center for Carbon Recycling and Utilization was established.

1993 April
The Research Center for Educational Facilities was reorganized into the Research and Development Center for Educational Facilities.

1994 April
The Graduate School of Information Science and Engineering was established.

June
The Education Center for Foreign Students was reorganized into the International Student Center. The Research Center for Quantum Effect Electronics was established. The Research Center for Experimental Biology was established.

1996 April
The Graduate School of Decision Science and Technology was established.

May
The Foreign Language Research and Teaching Center was established. The Research Laboratory of Engineering Materials was reorganized into the Materials and Structures Laboratory.

1997 April
The Radioisotope Research Center was established.

1998 April
The Center for Research Cooperation and Information Exchange was reorganized into the Frontier Collaborative Research Center.

1999 April
The Center for Research in Advanced Financial Technology was established.

2000 April
The Kusatsu-Shirane Volcano Observatory was reorganized into the Volcanic Fluid Research Center.

2001 April
The Computer Center and the International Cooperation Center for Science and Technology were reorganized into the Global Scientific Information and Computing Center. The Research Center for Very Low Temperature System was reorganized into the Research Center for Low Temperature Physics.

May
The Nagatsuta campus has been renamed the "Suzukakedai" campus.

November
The Research Strategy Office was established.

2002 April
The Research Center for Carbon Recycling and Utilization was reorganized into the Research Center for Carbon Recycling and Energy.
The Evaluation Office and the International Planning Office were established.

October
The General Safety Management Center and the Center for Public Relations and Coordination were established.

2003 April
The Research and Development Center for Educational Facilities was reorganized into the Research Center for Educational Facilities.
The Gene Research Center, the Research Center for Experimental Biology, and the Radioisotope Research Center were integrated into the Center for Biological Resources and Informatics.
The Department of Precision Machinery Systems was renamed the Department of Mechano-Micro Engineering.

May
The Educational Planning Office was established.

September
The Center for Urban Earthquake Engineering was established. The Office of Industry Liaison was established.

2004 April
Tokyo Institute of Technology was reestablished as an independent administrative institution with the name **"National University Corporation Tokyo Institute of Technology."**
The Research Center for Quantum Effect Electronics was reorganized into the Quantum Nanoelectronics Research Center. The Planning Office and the Financial Management Office were established.

2005 April
The Graduate School of Innovation Management was established. The Technical High School attached to the School of Engineering was reorganized into the Tokyo Tech High School of Science and Technology.
The Center for Research in Advanced Financial Technology was reorganized.
The Large-scale Knowledge Resources Center, the Research Center for Nanometer-Scale Quantum Physics, the Bio-Frontier Research Center, the Center on Agent Based Social Systems Sciences, the Center for Molecular Science and Technology, the Research Center for the Evolving Earth and Planets, the Research Center for the Science of Institutional Management of Technology were established. Also established was the Collaboration Center for Design and Manufacturing.
Department of Information Processing and Department of Advanced Applied Electronics, both in the Interdisciplinary Graduate School of Science and Engineering, were integrated and reorganized into the Department of Electronics and Applied Physics and the new Department of Information Processing.

September
The Emerging Nanomaterial Research Center was established.

October
The Integrated Research Institute was established.

2006 January
The Center for Research into Innovative Nuclear Energy Systems was established.

April
The Center for Materials Design affiliated to the Materials and Structures Laboratory was reorganized into the Secure Materials Center affiliated to the Materials and Structures Laboratory. The Super-Mechano Systems R&D Center, the Student Services Center, and the Center for the Study of World Civilizations were established.

July
The Global Edge Institute was established.

December
The Center for Photonic Nano-Device Integrated Engineering was established.

2007 April
The new Admission Office was established. The Technical Department was established.
The Department of Civil Engineering was renamed the Department of Civil and Environmental Engineering.

October
The Information Infrastructure Management Office was established.
The Center for Public Relations and Coordination was reorganized into the Center for Public Information and the Center for University Communications and Coordination.
The Strategic Management Office was established.

November
The Frontier Collaborative Research Center, the 80th Anniversary Center for Research Admission Office, the Venture Business Laboratory and the Incubation Center were merged into the new Frontier Research Center.

2008 April
The Secure Device Research Center affiliated to the Precision and Intelligence Laboratory was established.
The Photovoltaics Research Center was established.
The Inter-departmental Organization for Informatics was established.

May
The Asia-Africa Biology Research Center was established.

July
The Gender Equality Center was established. The Productive Leader Incubation Platform was established.

October
The Office for the 130th Anniversary Project was established.

November
The Center for CompView Research and Education was established.

2009 March
The Tokyo Tech Front was established.

April
The Multidisciplinary Research Center For Energy Science was established.
The Career Advancement Professional School was established.
The Tokyo Tech Archive Initiative was established.

May
The University Management Center was established.

August
The Research Project Support Center was established.

November
The Multidisciplinary Research Center For Energy Science was reorganized into the Inter-departmental Organization for Environment and Energy.

HISTORY

2010 April

The Microsystem Research Center was reorganized into the Photonics Integration System Research Center affiliated to the Precision and Intelligence Laboratory.
The International Nuclear Research Cooperation Center affiliated to the Research Laboratory for Nuclear Reactors was established.
The Imaging Science and Engineering Laboratory affiliated to the Graduate School of Science and Engineering was reorganized into the Imaging Science and Engineering Laboratory.
The Frontier Research Center was reorganized.
The Solutions Research Laboratory was established.
The Research Center for Carbon Recycling and Energy (Research and Service Centers) was reorganized into the Research Center for Carbon Recycling and Energy (Common Facilities).
The Advanced Education Research Center was established.
The Osmotic Power Research Center was established.
Conclusion of operations at the Large-scale Knowledge Resources Center.
The Integrated Research Institute was reorganized.

October

The Energy Conservation Promotion Office was established.

November

The Research Center for Low Temperature Physics (Research and Service Centers) was reorganized into The Research Center for Low Temperature Physics (Common Facilities).
The Organization for Life Design and Engineering was established.
Conclusion of operations at the Strategic Management Office.

2011 January

The Center for Liberal Arts was established.

April

The Center for Research and Development of Educational Technology (Research and Service Centers)was reorganized into the Center for Research and Development of Educational Technology(Common Facilities).
The TITECH Earth Database Center was established.
The ICE Cube Center was established.
The Centennial Hall was reorganized into the Museum.
Conclusion of operations at the Center for Advanced Materials Analysis.
The Academy for Global Leadership was established.

August

The University Contents Utilization Center was established.

October

A section of Center for Biological Resources and Informatics was reorganized into the Radiation Research and Management Center.
The Admission Center was established.

Development of the Institute

(As of May 1, 2011)

	School		Graduate School				Land (m^2)	Building (m^2)	Number of Books (Volumes)
			Master's Course		Doctoral Course				
	Admission	Number of Graduates	Admission	Number of Degrees Conferred	Admission	Number of Degrees Conferred			
1929	150	0						3,834	21,525
1940	252	178					262,902	54,542	51,848
1945	400	358					293,345	56,383	72,555
1950	*460 300	392					312,211	58,499	92,925
1955	355	335	135	37	68		309,514	71,114	111,173
1960	505	387	145	44	73	12	309,484	78,581	145,107
1965	705	590	213	205	87	37	308,737	111,166	200,208
1970	895	773	294	348	149	72	484,515	146,473	284,677
1975	774	790	617	512	205	68	510,683	185,309	360,499
1980	774	775	643	613	248	91	529,515	245,791	444,765
1985	836	776	665	694	250	86	531,848	261,968	538,884
1990	1,182	1,107	720	840	250	139	533,242	277,672	647,330
1995	1,317	1,282	908	1,154	331	253	535,239	319,404	750,172
2000	1,068	1,237	1,290	1,488	534	349	534,728	362,769	858,316
2001	1,068	1,188	1,290	1,497	534	346	534,728	368,935	871,089
2002	1,068	1,243	1,290	1,538	534	291	534,728	396,634	886,484
2003	1,068	1,156	1,291	1,559	535	357	534,728	419,728	879,397
2004	1,068	1,113	1,292	1,642	536	313	566,366	428,653	891,753
2005	1,068	1,175	1,322(30)	1,633	543	382	566,366	428,492	904,293
2006	1,068	1,188	1,322(30)	1,671	543	370	566,544	430,079	771,003
2007	1,068	1,161	1,322(30)	1,677	543	387	566,544	430,171	774,552
2008	1,068	1,168	1,322(30)	1,648	543	387	566,605	439,433	774,712
2009	1,068	1,128	1,327(35)	1,546	546	384	566,605	447,714	780,421
2010	1,068	1,130	1,327(35)	1,726	546	338	567,688	474,202	793,390

Note: The figure marked with * represents the number of students admitted under the old education system.
2.Figure given in parentheses represent the number of Professional Master's Course.

MEMBERS OF THE BOARD, COMMITTEES, AND COUNCIL

As of February 1, 2012

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IIZUKA, Hisao	Executive Vice President for Public Relations and Information
SHIMIZU, Yasutaka	Auditor
SUZUKI, Motoyuki	Auditor

Vice President

TSUKAMOTO, Mamiko	Vice President for Human Rights

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HASHIMOTO, Genichi	Former President, NHK(Japan Broadcasting Corporation)
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ENKAWA, Takao	Professor, Graduate School of Decision Science and Technology
YAMADA, Michio	Director-General

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HOUJOH, Haruo	Director, Precision and Intelligence Laboratory
HAYASHI, Shizuo	Director, Materials and Structures Laboratory
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NIWA, Junichiro	Professor, Graduate School of Engineering
UYEMATSU, Tomohiko	Professor, Graduate School of Engineering
KITAMURA, Naomi	Professor, Graduate School of Bioscience and Biotechnology
NAKAMURA, Satoshi	Professor, Graduate School of Bioscience and Biotechnology
KOSUGI, Yukio	Professor, Interdisciplinary Graduate School of Science and Engineering
ODAWARA, Osamu	Professor, Interdisciplinary Graduate School of Science and Engineering
YONEZAKI, Naoki	Professor, Graduate School of Information Science and Engineering
KIMURA, Koji	Professor, Graduate School of Information Science and Engineering
NAKAGAWA, Masanori	Professor, Graduate School of Decision Science and Technology
KUWAKO,Toshio	Professor, Graduate School of Decision Science and Technology
NAGAHASHI, Hiroshi	Professor, Imaging Science and Engineering Laboratory

President Nomination Committee

ARIKAWA, Yoshiko	President, Japan Women's University
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TAKI, Hisao	Chairman, Gourmet Navigator Inc
NAKAJIMA, Kunio	President, Japan Chemical Innovation and Inspection Institute
HASHIMOTO, Genichi	Former President, NHK(Japan Broadcasting Corporation)
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UYEMATSU, Tomohiko	Professor, Graduate School of Engineering
ODAWARA, Osamu	Professor, Interdisciplinary Graduate School of Science and Engineering
KOJIMA, Sadayoshi	Dean, Graduate School of Information Science and Engineering
HOUJOH, Haruo	Director, Precision and Intelligence Laboratory
OKADA, Kiyoshi	Executive Vice President for Planning and Management

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IIJIMA, Junichi	Dean, Graduate School of Decision Science and Technology
TANABE, Koji	Acting Dean, Graduate School of Innovation Management
TATSUMI, Takashi	Director, Chemical Resources Laboratory
HOUJOH, Haruo	Director, Precision and Intelligence Laboratory
HAYASHI, Shizuo	Director, Materials and Structures Laboratory
ARITOMI, Masanori	Director, Research Laboratory for Nuclear Reactors
SAKAI, Yoshinori	Director, Institute Library
OTSUKI, Nobuaki	Principal, Tokyo Tech High School of Science and Technology

Administration Bureau

YAMADA, Michio	Director-General
SHIMIZU, Syuichi	Director, General Affairs Department
KUBO, Susumu	Director, Finance Department
ARUGA, Osamu	Director, International Affairs Department
EZAWA, Harumasa	Director, Student Service Department
MANAGO, Hiroshi	Director, Research Promoting Department
SATOU, Masahiro	Director, Facilities Department
OGATA, Kouichi	Director, Suzukakedai Administration Office

MAP

Ookayama Campus: Ookayama Station of Tokyu Oimachi Line/Tokyu Meguro Line
About 45 minutes from Haneda Airport, About 100 minutes from Narita Airport, About 30 minutes from Tokyo Station

Suzukakedai Campus : Suzukakedai Station of Tokyu Den'entoshi Line
About 70 minutes from Haneda Airport, About 130 minutes from Narita Airport, About 55 minutes from Tokyo Station

Tamachi Campus : Tamachi Station of JR Yamanote Line/Keihin-Tohoku Line
About 25 minutes from Haneda Airport, About 90 minutes from Narita Airport, About 10 minutes from Tokyo Station

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2012.2