

# Tokyo Tech

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DATA BOOK 2019-2020

Tokyo Institute of Technology

Public Relations Section, Office of Public Engagement

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Tokyo Institute of Technology



# Tokyo Tech

*Tokyo Institute of Technology*

## 2019-2020

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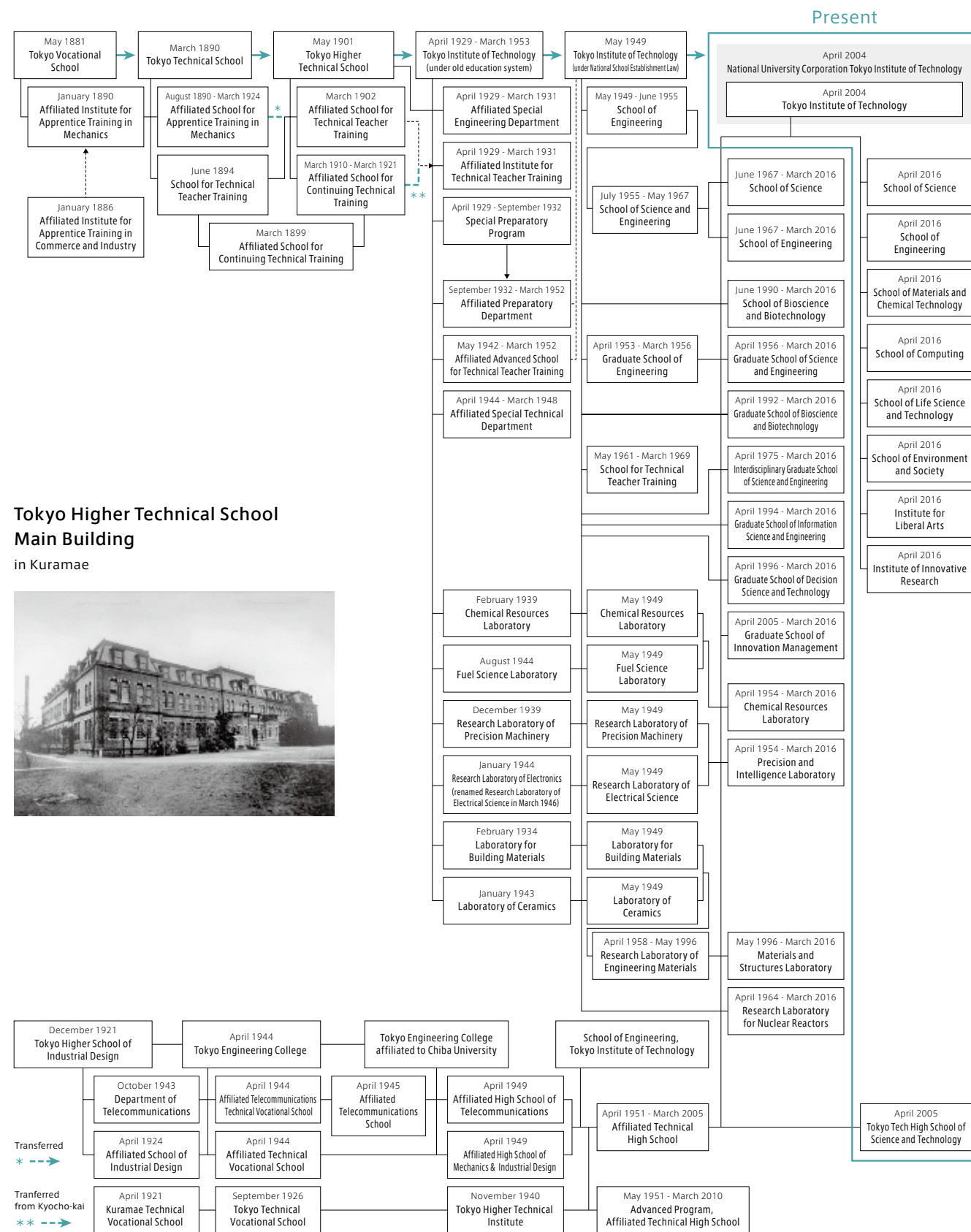
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## History

## From Past to Present



## Events in 2018

Date	Events
February 1	Advanced Research Center for Quantum Physics and Nanoscience opened at the School of Science.
April 1	Collaborative Research Center for Happiness Co-Creation Society through Intelligent Communications renamed as Research Institute for the Earth Inclusive Sensing.
	The following offices were abolished: Office of Advisors to the President, Academy for Co-creative Education of Environment and Energy Science, Education Academy of Computational Life Sciences, Academy for Global Nuclear Safety and Security Agent.
	Tokyo Tech Academy for Leadership opened.
July 6	Organization for Fundamental Research (OFR) opened at the Institute of Innovative Research (IIR).
September 7	Laboratory for Design of Social Innovation in Global Networks (DLab) opened at the Offices under the President.
October 19	Office of Strategic Communications opened at the Offices under the President.

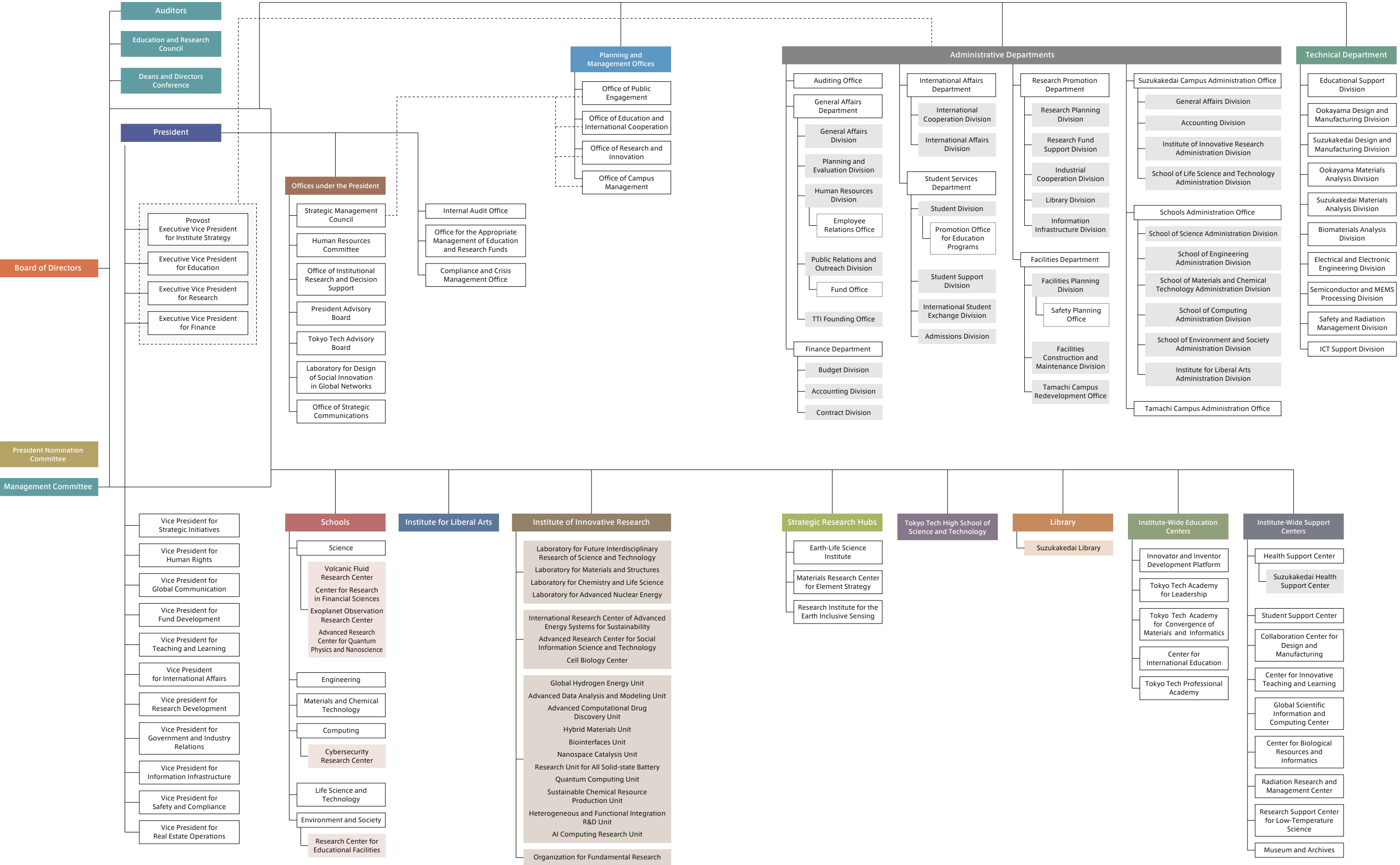
## Former Principals and Presidents

Date of appointment	Name	Date of appointment	Name
May 1881	Jiro YAMAOKA (Acting Principal)	August 1966	Jun-ichi SANEYOSHI
September 1881	Taizo MASAKI	August 1968	Tadao SHIBA (Acting President)
March 1890	Seiichi TEJIMA	October 1968	Tadao SHIBA
February 1898	Teiichi SAKATA	May 1969	Mutsumi KATO (Acting President)
February 1899	Seiichi TEJIMA	October 1969	Mutsumi KATO
May 1901	Seiichi TEJIMA	October 1973	Masamitsu KAWAKAMI
September 1916	Teiichi SAKATA	October 1977	Shinroku SAITO
December 1920	Einoshin YOSHITAKE	October 1981	Takehiko MATSUDA
June 1926	Kounosuke NAKAMURA	October 1985	Ikuzo TANAKA
April 1929	Kounosuke NAKAMURA	October 1989	Yasuharu SUEMATSU
March 1942	Hidetsugu YAGI	October 1993	Tsutomu KIMURA
December 1944	Magoichirou WATANABE (Acting President)	October 1997	Yoshiyuki NAITO
December 1944	Koroku WADA	October 2001	Masuo AIZAWA
June 1952	Isamu YAMAMOTO (Acting President)	October 2007	Kenichi IGA
August 1952	Shun-ichi UCHIDA	October 2012	Yoshinao MISHIMA
August 1958	Toshiyoshi YAMAUCHI	April 2018	Kazuya MASU
August 1962	Yoshitoshi OHYAMA		

Organization

Organization Chart

As of July 1, 2019





# Organization

Members of the Board, Committees, and Council	
As of September 1, 2019	
Name	Title
Board of Directors	
Kazuya MASU	President
Isao SATOH	Executive Vice President for Institute Strategy
Tetsuya MIZUMOTO	Executive Vice President for Education
Osamu WATANABE	Executive Vice President for Research
Tadayuki FUJINO	Executive Vice President for Finance / Secretary-General
Kazumasa ENAMI	Auditor
Mariko MITSUYA	Auditor
Vice Presidents	
Shione KINOSHITA	Vice President for Human Rights
Satoshi NAKAMURA	Vice President for Global Communication
Shigeru HIOKI	Vice President for Fund Development
Jun-ichi IMURA	Vice President for Teaching and Learning
Jun-ichi TAKADA	Vice President for International Affairs
Kaoru KUWATA	Vice President for Research Development
Tetsuo YAI	Vice President for Government and Industry Relations
Toshihiko ITOH	Vice President for Information Infrastructure
Tetsuo OKADA	Vice President for Safety and Compliance
Yoshiaki MIYAHARA	Vice President for Real Estate Operations
Assistants to the Executive Vice Presidents	
Michikazu HARA	Assistant to the Executive Vice President for Research
Manabu KANDA	Special Assistant to the Executive Vice President for Education and International Affairs
Tetsuji OKAMURA	Special Assistant to the Executive Vice President for Education and International Affairs
Nobuharu IWASAWA	Special Assistant to the Executive Vice President for Education and International Affairs
Management Committee	
Kazuya MASU	President
Isao SATOH	Executive Vice President for Institute Strategy
Tetsuya MIZUMOTO	Executive Vice President for Education
Osamu WATANABE	Executive Vice President for Research
Tadayuki FUJINO	Executive Vice President for Finance / Secretary-General
Yoshio ISHIDA	Adviser, JR-East Personnel Service Former Corporate Auditor, East Japan Railway Company President, Tokyo Tech Alumni Association (Kuramae Kougyoukai)
Norio IZUMI	President, NextDecade Research Institute, Ltd.
Kiyoto IDO	Vice Chairman, Institute for International Economic Studies Executive Director, Tokyo Tech Alumni Association (Kuramae Kougyoukai)
Junko KAWAMURA	President, Japan Arts Council
Kazuo KYUMA	President, National Agriculture and Food Research Organization
Masaaki TAKEI	Mayor, Minato City
Fumiko HAYASHI	Mayor of the City of Yokohama
Mariko BANDO	Chancellor, Showa Women's University
Takeshi KIKUTANI	Professor, School of Materials and Chemical Technology
Educational and Research Council	
Kazuya MASU	President
Isao SATOH	Executive Vice President for Institute Strategy
Tetsuya MIZUMOTO	Executive Vice President for Education
Osamu WATANABE	Executive Vice President for Research
Tadayuki FUJINO	Executive Vice President for Finance / Secretary-General
Kotaro YAMADA	Dean, School of Science
Nobuyuki IWATSUKI	Dean, School of Engineering
Yuji WADA	Dean, School of Materials and Chemical Technology
Haruo YOKOTA	Dean, School of Computing
Hisakazu MIHARA	Dean, School of Life Science and Technology
Norihiro NAKAI	Dean, School of Environment and Society
Noriyuki UEDA	Dean, Institute for Liberal Arts
Fumio KOYAMA	Director-General, Institute of Innovative Research
Kotaro YAMADA	Dean, Graduate School of Science (prior system)
Nobuyuki IWATSUKI	Dean, Graduate School of Engineering (prior system)
Hisakazu MIHARA	Dean, Graduate School of Bioscience and Biotechnology (prior system)
Takao KOBAYASHI	Dean, Interdisciplinary Graduate School of Science and Engineering (prior system)
Haruo YOKOTA	Dean, Graduate School of Information Science and Engineering (prior system)
Norihiro NAKAI	Dean, Graduate School of Decision Science and Technology (prior system)
Mika GOTO	Dean, Graduate School of Innovation Management (prior system)
Kotaro YAMADA	Dean, School of Science (prior system)
Nobuyuki IWATSUKI	Dean, School of Engineering (prior system)
Hisakazu MIHARA	Dean, School of Bioscience and Biotechnology (prior system)
Administrative Bureau	
Tadayuki FUJINO	Secretary-General
Yoko HIRAI	Director, General Affairs Department
Akio HAYASHI	Director, Finance Department
Noriko SUZUKI	Director, International Affairs Department
Noboru TANAKA	Director, Student Services Department
Wataru FUJISAWA	Director, Research Promotion Department
Hiroki MAEDA	Director, Facilities Department
Hisao KUSANAGI	Director, Suzukakedai Campus Administration Office
Yoko HIRAI	Director, Schools Administration Office

# Schools / Institute for Liberal Arts

Schools and Departments	
As of May 1, 2019	
Schools	
In April 2016, Tokyo Tech joined its undergraduate and graduate schools and established 6 Schools and 19 Departments.	
School of Science	
Department	Mathematics
	Physics
	Chemistry
	Earth and Planetary Sciences
School-Affiliated Research Center	Volcanic Fluid Research Center
	Center for Research in Financial Sciences
	Exoplanet Observation Research Center
	Advanced Research Center for Quantum Physics and Nanoscience
School of Engineering	
Department	Mechanical Engineering
	Systems and Control Engineering
	Electrical and Electronic Engineering
	Information and Communications Engineering
	Industrial Engineering and Economics
School of Environment and Society	
Department	Architecture and Building Engineering
	Civil and Environmental Engineering
	Transdisciplinary Science and Engineering
	Social and Human Sciences
Professional master's degree program	Innovation Science
	Technology and Innovation Management
School-Affiliated Research Center	Research Center for Educational Facilities
School of Materials and Chemical Technology	
Department	Materials Science and Engineering
	Chemical Science and Engineering
School of Computing	
Department	Mathematical and Computing Science
	Computer Science
School-Affiliated Research Center	Cybersecurity Research Center
School of Life Science and Technology	
Department	Life Science and Technology

## Institute for Liberal Arts (ILA)

ILA aims to develop individuals who understand the challenges of the 21st century, recognize their individual societal roles, and possess the willingness and

creativity to take action, tackle problems, and achieve goals in order to build a better future society.

Institute of Innovative Research (IIR)

IIR, which consists of four Research Laboratories, three Research Centers, eleven Research Units, the Organization for Fundamental Research, and Tokyo Tech World Research Hub Initiative(WRHI), creates new research areas and technologies

Research Laboratories

Laboratory for Future Interdisciplinary Research of Science and Technology (FIRST)

The mission of FIRST is to create innovative industrial technologies by fusing various research fields such as mechanical engineering, information science and technology, electrical and electronic engineering, metallurgy, environmental engineering, disaster prevention engineering, and social engineering. As part of its interdisciplinary research programs, FIRST promotes research collaboration with a network-type Joint Usage / Research Center in the field of biomedical engineering.

Laboratory for Materials and Structures (MSL)

MSL aims to create innovative materials with outstanding properties and functions through interdisciplinary research efforts in the fields of inorganic materials, metals, and organic materials. MSL brings about breakthroughs in materials science and technology that contribute to solving technological problems in society. As a Joint Usage / Research Center for advanced inorganic materials, MSL provides a framework for multilateral collaborations.

Research Centers

International Research Center of Advanced Energy Systems for Sustainability (AES)

AES aims to establish advanced energy systems to realize stable and environment-friendly energy utilization by taking advantage of existing social infrastructures. AES also promotes and creates research projects to find solutions to problems faced by communities and businesses through open innovation with industries, government, and local municipalities.

Cell Biology Center

This center promotes advanced basic research on vital phenomena at the cellular level, and aims to utilize research findings to establish fundamental technologies used in medicine and innovative drug discovery.

Research Units

Global Hydrogen Energy Unit

The unit investigates the implementation and technological development of a global-scale CO2-free hydrogen supply chain combined with the domestic hydrogen network, with collaboration among academia, industry, and government, aiming to realize a "best mix" of global and diverse energy resources.

Advanced Computational Drug Discovery Unit

This unit aims to form an open platform for studies on innovative drug discovery through the integration of computational technology and experimental biochemistry by utilizing Tokyo Tech's strengths in molecular simulation technology, bioinformatics, large-scale GPU calculation using the supercomputer TSUBAME, and machine learning.

that solve existing problems in society, laying the foundations of future industry. In the long run, IIR aims to become a world-leading innovation center.

Laboratory for Chemistry and Life Science (CLS)

CLS carries out a wide range of research on molecular science and engineering, covering not only fundamental and applied chemistry but also life science. CLS aims to create new principles of molecule-based chemistry and bioscience, thereby achieving breakthroughs in next-generation science and technology. The final goal of CLS is to contribute to the realization of sustainable development of human society through front-line chemical research.

Laboratory for Advanced Nuclear Energy (LANE)

LANE aims to contribute to the sustainable development of the world as one of the leading laboratories in applied nuclear energy research. Fundamental research into the peaceful use of nuclear energy is of great significance to solve the world's energy shortage and carbon dioxide emission problems. LANE's research on innovative nuclear energy systems, actinide management, global nuclear security, and advanced research on medical application of radiation are promoted as mission-driven research, along with fundamental researches.

Advanced Research Center for Social Information Science and Technology (ASIST)

ASIST aims at solving social problems by utilizing information and communication technology (ICT). ASIST conducts research targeting the establishment of safe and secure logistical information platforms, by which individuals are able to access their own personal data managed by governmental organizations, medical facilities, and other institutions.

Advanced Data Analysis and Modeling Unit

This unit utilizes public and private big data in an integrated manner to clarify phenomena in human society from a scientific viewpoint, and aims to build a basic model that is used to predict the effects of natural disasters and other environmental changes through large-scale simulations.

Hybrid Materials Unit

This unit was established to create sub-nano metal particles in which the number of atoms is controllable, and sub-nano-hetero metal particles made from the precise blending of dissimilar elements at the atomic level with the goal of creating new next-generation functional materials.

Research Units

Biointerfaces Unit

The unit focuses on developing biointerfaces for rehabilitation processes and collecting biological information for preventing disease and assessing the condition of organs.

All Solid-state Battery Research Unit

The All Solid-state Battery Research Unit leverages its superiority in developing superionic conductors, which are solids with highly mobile ions. Superionic conductors are a key solid-state-battery technology highly regarded for safety, stability and high energy density, advantages that are paving the way for the practical use of all-solid-state batteries.

Sustainable Chemical Resource Production Unit

Our aim is to produce chemical raw materials in a sustainable way without using limited fossil resources such as coal, oil, and natural gas in order to establish industrial processes that are better for the environment and realize non-petroleum plastics.

AI Computing Unit

By leveraging the paradigm shift from procedure-oriented to structure-oriented computing, the research unit tries to establish innovative computing architectures for deep neural networks, statistical machine learning, optimization problems, etc., gearing toward acceleration of wide-spread intelligent computing applications.

Nanospace Catalysis Unit

This unit aims at the effective use of resources and the improvement of chemical manufacturing processes through the control and functionalization of nanospace structures and the creation of nanospace catalysts enabling the conversion of diverse carbon resources into useful chemical substances.

Quantum Computing Unit

The Quantum Computing Unit is working mainly on the basic theory of quantum annealing and its applications and will serve as the center of activities in this field in Japan to promote researches in quantum annealing.

Heterogeneous and Function Integration Unit

The development of large scale 3D integration technology for Tera-byte memory, ultra-small system module, bio-devices, and functional sensor to recognize thoughts of plant are being conducted by research platform in cooperation with industries, so-called WOW Alliance.

Organization for Fundamental Research

The Organization for Fundamental Research comprises the Specialized Academies and Comprehensive Academy to nurture creative, spontaneous and responsible minds highly attuned to societal expectations. Specialized Academies are led by

world-renowned researchers. This organization sets the goal of cultivating world-class researchers capable of advancing science and technology.

Tokyo Tech World Research Hub Initiative (WRHI)

By inviting top academics from abroad to collaborate with our research staff, we aim to promote interdisciplinary exchange, the creation of new fields of research

and to lay the foundations for the industries of the future as part of our vision to build a "world research hub" that drives revolutionary research.

Strategic Research Hubs

Earth-Life Science Institute (ELSI)

ELSI was formed as part of the MEXT World Premier International Research Center Initiative (WPI). It aims to answer key questions about the origin of life based on early Earth-life system research. To achieve this, ELSI strives to become a world research hub through its use of the Earth, planetary, and life sciences to create a new field — bioplanetology.

Research Institute for the Earth Inclusive Sensing

Research Institute aims to create social systems achieving co-existence and co-prosperity with the nature by recognizing and empathizing with various silent voices on the earth beyond the boundaries of human, social and nature. And we purpose to grow a warm society where everyone needs someone and helps each other brightly. Based on the Center of Innovation (COI) Program funded by the JST and also adding some off-campus supports, we are working to promote innovative researches in scalable industry-academia collaboration schemes, and to put research results into practical uses.

Materials Research Center for Element Strategy (MCES)

MCES was established to facilitate research on element strategy, and aims to create novel materials from ubiquitous elements by creating new paradigms in materials science. MCES is operating the Tokodai Institute for Element Strategy (TIES) funded by the MEXT Element Strategy Initiative to Form Core Research Centers for Electronic Materials, and completed the ACCEL Hosono Electric Project funded by the Japan Science and Technology Agency (JST).

## Tokyo Tech High School of Science and Technology (TTHS)

Tokyo Tech High School of Science and Technology is a MEXT-designated Super Science High School (SSH) and Super Global High School (SGH). It strives to realize a stable system of education providing holistic education to students wishing

to pursue studies in science and technology. It also seeks to advance desirable science and engineering education in cooperation with Tokyo Tech.

As of May 1, 2019

Department	Admission	1st year		2nd year		3rd year		Total		
		M	F	M	F	M	F	M	F	Total
Department of Science and Technology	200	153	42					153	42	195
Applied Chemistry Course				27	14	24	15	51	29	80
Information Systems Course				38	3	32	5	70	8	78
Mechanical Systems Engineering Course				37	4	33	7	70	11	81
Electrical and Electronics Course				33	8	39	3	72	11	83
Architectural Design Course				25	11	18	11	43	22	65
Total	200	153	42	160	40	146	41	459	123	582

## Library

The Library houses a wide variety of domestic and overseas publications in the fields of science and engineering, which are available to all interested individuals.

Electronic functions have been expanded to provide a wide variety of services via the internet, including access to electronic journals.

### Number of books

As of April 1, 2019

Classifications	Main building (Ookayama Campus)	Branch (Suzukakedai Campus)	Total
Japanese publications	239,656	53,322	292,978
Non-Japanese publications	390,807	100,566	491,373
Total	630,463	153,888	784,351

### Number of periodical titles

As of April 1, 2019

Classifications	Main building (Ookayama Campus)	Branch (Suzukakedai Campus)	Total
Japanese publications	2,717	669	3,386
Non-Japanese publications	11,519	2,004	13,523
Total	14,236	2,673	16,909

### Electronic data

As of April 1, 2019

Classifications	Electronic journals	Electronic books	Databases
Domestic data	126	525	4
Overseas data	12,341	24,998	5

### Use in FY 2018

Classifications	Main building (Ookayama Campus)	Branch (Suzukakedai Campus)	Total
Number of visitors	388,601	37,385	425,986
Number of publications borrowed	95,497	22,776	118,273

## Institute-Wide Education Centers

### ● Innovator and Inventor Development Platform (IIDP)

IIDP organizes Career Development Courses for all graduate-level students at Tokyo Tech. Students must fulfill all requirements for these courses to complete their master's or doctoral degree programs. IIDP provides education that enables students to develop their career awareness and receive on-site training corresponding to their career plans.

### ● Tokyo Tech Academy for Convergence of Materials and Informatics (TAC-MI)

The TAC-MI program is a seamless degree program provided throughout graduate learning. It aims to empower students to become multitalented individuals capable of promoting unique, interdisciplinary research in materials and information technology. The program will enable students to connect knowledge in information and materials by using informatics techniques and multifaceted thinking, as well as by taking a broad perspective, in collaboration with domestic/overseas universities, research institutions, and private companies.

### ● Tokyo Tech Academy for Leadership (ToTAL)

The Tokyo Tech Academy for Leadership ensures a seamless transition from the master's to doctoral degree programs to enable students of different nationalities and cultural background to be engaged in learning in a wide range of academic fields with the goal of cultivating diverse specialists beyond the boundaries of different academic fields with strong leadership skills capable of leading international society into the future.

### ● Center for International Education

The Center for International Education plans and administers Institute-wide international education programs developed in collaboration with academic departments and administrative divisions. It also provides support to inbound international students through preparatory courses and other activities.

### ● Tokyo Tech Professional Academy

In response to significant technical innovations, changes in industrial structures, and rapidly evolving societal needs, the Tokyo Tech Professional Academy puts working adults in touch with the newest knowledge and most advanced technology through its various education programs.

## Institute-Wide Support Centers

### ● Health Support Center

The Health Support Center is responsible for health management at Tokyo Tech. Physicians, counselors, and other healthcare professionals support the physical and mental health of students and staff by providing medical examinations, counseling, and health and safety seminars.

### ● Collaboration Center for Design and Manufacturing (CODAMA)

A makerspace for all of Tokyo Tech's students and researchers, CODAMA also serves as a multi-functional hub where local residents and high school students can enhance their imagination and creativity.

### ● Global Scientific Information and Computing Center (GSIC)

GSIC provides supercomputer, information infrastructure for authentication systems, e-mail and network, and software license services. GSIC also shows activities of a Joint Usage / Research Center (JHPCN), HPCI resource provider, and international collaborations using information technology.

### ● Radiation Research and Management Center (RRMC)

RRMC supports research and education involving the use of radioisotopes and particle accelerators, and plays a central role in radiation safety management through the supervision of facilities and radiation workers, and the provision of education and training.

### ● Museum and Archives

The Museum and Archives collects, preserves, and displays highlights of Tokyo Tech's activities since its founding over 135 years ago. Staff conduct research on the historical value of its collections and carry out educational programs that are inspired by heritage.

### ● Student Support Center

This center has six main functions that aim to help students in every aspect of life at Tokyo Tech. The Center offers counseling services at the Student Guidance Room and through the Telephone Consultation Service, encourages student-centered activities by managing Peer Support services and Institute-wide surveys at the Student Initiative Support Office, assists newly enrolled students in collaboration with Student Life Coaches, ensures accessibility for students with disabilities, and provides career support and opportunities for international exchanges.

### ● Center for Innovative Teaching and Learning (CITL)

Based on Tokyo Tech's education and research philosophy, CITL was established to develop highly knowledgeable faculty members with outstanding teaching skills and to foster perceptive, capable students with excellent academic abilities and a strong motivation to learn. Through faculty development, course survey of study effectiveness, promotion of active learning, and massive open online courses, CITL aims continuously to strengthen its three pillars: educational assessment, professional development, and learning environment design.

### ● Center for Biological Resources and Informatics (CBRI)

CBRI has Research and Infrastructure Divisions to promote and support cutting-edge research in the life sciences. The Infrastructure Division raises and cares for laboratory animals, and supports research and education related to gene recombination. The Research Division is engaged in research associated with bioinformatics for genomes, RNAs and proteins.

### ● Research Support Center for Low-Temperature Science

This center supports research on physical properties under extremely low temperature, and basic research in the fields of science and engineering. It provides refrigerants, low-temperature technology, and safety education to promote related research at the Institute.

Staff / Student Numbers

Number of staff

The Board		President		Executive Vice Presidents		Auditors		Total	
President / Executive Vice Presidents / Auditors		1		4		2		7	

Research and teaching staff	Professors			Associate Professors			Lecturers			Assistant Professors			Research Associates			Teachers and School Nurses			High School Assistants			Total
	M	F	Total	M	F	Total	M	F	Total	M	F	Total	M	F	Total	M	F	Total	M	F	Total	
School of Science	47		47	35	1	36	2		2	58	2	60		1	1							146
School of Engineering	68	3	71	60	6	66				54	6	60	1	1	2							199
School of Materials and Chemical Technology	48	2	50	44	5	49	2		2	46	2	48		1	1							150
School of Computing	25		25	22	1	23	2		2	19	2	21										71
School of Life Science and Technology	23	2	25	20	4	24	3		3	33	2	35										87
School of Environment and Society	41	5	46	38	5	43				24	8	32										121
Institute for Liberal Arts	20	2	22	12	10	22	1	3	4	5	2	7										55
Institute of Innovative Research	59	2	61	51	4	55				56	6	62										178
Strategic Research Hubs																						
Earth-Life Science Institute	5		5	2		2																7
Materials Research Center for Element Strategy				3		3				2		2										5
Institute-wide Education Centers																						
Tokyo Tech Academy for Leadership	2		2	3	1	4																6
Institute-wide Support Centers																						
Health Support Center	3		3	1		1																4
Center for Innovative Teaching and Learning	1		1	2		2																3
Global Scientific Information and Computing Center	5	1	6	4		4				3		3										13
Center for Biological Resources and Informatics	1		1	4		4				1	1											6
Radiation Research and Management Center				1		1				1	1											2
Museum and Archives	1		1																			1
Other offices and high school																						
Office of Public Engagement	2		2																			2
Office of Research and Innovation																						
Office of Campus Management					1	1				1	1											2
Tokyo Tech High School of Science and Technology																36	9	45	2	2	4	49
Total	351	17	368	302	38	340	10	3	13	301	32	333	1	3	4	36	9	45	2	2	4	1,107

Note: Teachers and School Nurses include Associate Principal and Senior Teachers.

	Administrative staff			Technical staff			Medical staff			Total
	M	F	Total	M	F	Total	M	F	Total	
Office and technical staff	245	241	486	96	26	122		3	3	611

Number of fixed-term staff

	Institute Professors			Specially Appointed Professors			Specially Appointed Associate Professors			Specially Appointed Lecturers			Specially Appointed Assistant Professors			Visiting Professors			Visiting Associate Professors			Visiting Associate Professors (Lecturer)			Visiting Assistant Professors			Total
	M	F	Total	M	F	Total	M	F	Total	M	F	Total	M	F	Total	M	F	Total	M	F	Total	M	F	Total	M	F	Total	
Research and teaching staff	8		8	147	16	163	82	12	94	10	2	12	69	10	79	64	4	68	37	4	41	1		1	2		2	468

Office and technical staff	Vice Presidents			Administrative staff			Technical staff			Medical staff			Student affairs staff			Total
	M	F	Total	M	F	Total	M	F	Total	M	F	Total	M	F	Total	
Working 30h or more per week		1	1	75	455	530	174	95	269		4	4	2	7	9	813
Working 29h or less per week	2	1	3	18	339	357	95	131	226	1	1	2	1	4	5	593
Total	2	2	4	93	794	887	269	226	495	1	5	6	3	11	14	1,406

Research staff

Affiliation	Visiting scholars	Researchers from industrial firms (sponsored research)	Researchers from industrial firms (collaborative research)	JSPS Fellows (Japan Society for the Promotion of Science)			Total
				Postdoc	2nd-year doctoral	1st-year doctoral	
School of Science	4	1		3	18	20	46
School of Engineering	6	1	14	2	8	11	42
School of Materials and Chemical Technology	10	6	16	2	17	17	68
School of Computing	6			2	7	5	20
School of Life Science and Technology			9	1	6	8	24
School of Environment and Society	13	13			3	4	33
Institute for Liberal Arts	1						1
Institute of Innovative Research	2	10	38	1			51
Strategic Research Hubs	1		7	3			11
Institute-Wide Education Centers and Institute-Wide Support Centers			1	1			2
Graduate School of Bioscience and Biotechnology						1	1
Graduate School of Information Science and Technology					1		1
Total	43	31	85	15	60	66	300

Note: Figures for JSPS Fellows (Japan Society for the Promotion of Science) reflect instructor affiliation. Figures include both new and continuing employment.

Visiting scholars by country or region

Country or region	Number of visits	Country or region	Number of visits	Country or region	Number of visits
Asia		Middle East		Europe	
Bangladesh	2	Turkey	3	Denmark	1
Cambodia	1	Africa		Finland	2
China	43	Egypt	9	France	12
India	12	Oceania		Germany	17
Indonesia	10	Australia	3	Greece	1
Japan	1	New Zealand	1	Italy	8
Kazakhstan	1	North America		Netherlands	1
Korea	12	U.S.A	13	Norway	3
Kyrgyzstan	1	Canada	5	Portugal	2
Malaysia	12	Central and South America		Russia	2
Pakistan	2	Brazil	1	Spain	5
Taiwan	10	Chile	1	Sweden	2
Thailand	4	El Salvador	1	Switzerland	1
Vietnam	1	Mexico	3	U.K.	10
Middle East		Europe		Ukraine	1
Iran	3	Austria	2	Total	
Israel	1	Czech	2		
				228	

Number of students by Academic Group

Academic Group	1st year		Total	
	M	F		
1st	11 (0)	0 (0)	11 (0)	
2nd	3 (0)	1 (0)	4 (0)	
3rd	7 (0)	0 (0)	7 (0)	
4th	3 (0)	1 (0)	4 (0)	

Academic Group	1st year		Total	
	M	F		
5th	5 (0)	0 (0)	5 (0)	
6th	7 (0)	0 (0)	7 (0)	
7th	11 (0)	2 (0)	13 (0)	
Total	47 (0)	4 (0)	51 (0)	

Note: Figures in parentheses represent the number of international students.



Staff / Student Numbers

As of May 1, 2019

Number of students by Department who enrolled in bachelor's degree programs in AY 2016

School	Department	Admission quota	1st year		2nd year		3rd year		4th year		Total * (Department)	Total (School)
			M	F	M	F	M	F	M	F		
School of Science	Mathematics		151 (4)	12 (1)	26 (0)	3 (0)	30 (1)	2 (0)	30 (2)	2 (1)	93 (4)	
	Physics				64 (2)	1 (0)	61 (2)	2 (0)	55 (1)	3 (0)	186 (5)	
	Chemistry				20 (2)	2 (0)	28 (1)	2 (0)	30 (0)	1 (1)	83 (4)	
	Earth and Planetary Sciences				27 (0)	4 (0)	25 (0)	2 (0)	26 (0)	1 (0)	85 (0)	
	Total	151	151 (4)	12 (1)	137 (4)	10 (0)	144 (4)	8 (0)	141 (3)	7 (2)	447 (13)	610 (18)
School of Engineering	Mechanical Engineering		356 (14)	21 (2)	141 (7)	8 (0)	143 (7)	12 (1)	140 (10)	9 (0)	453 (25)	
	Systems and Control Engineering				47 (2)	2 (0)	43 (4)	7 (0)	47 (2)	2 (0)	148 (8)	
	Electrical and Electronic Engineering				64 (1)	4 (1)	75 (1)	6 (1)	84 (4)	2 (0)	235 (8)	
	Information and Communications Engineering				41 (0)	10 (1)	49 (2)	6 (0)	49 (4)	4 (0)	159 (7)	
	Industrial Engineering and Economics				53 (0)	6 (0)	48 (2)	14 (1)	53 (0)	6 (0)	180 (3)	
	Total	358	356 (14)	21 (2)	346 (10)	30 (2)	358 (16)	45 (3)	373 (20)	23 (0)	1,175 (51)	1,552 (67)
School of Materials and Chemical Technology	Materials Science and Engineering		166 (7)	26 (1)	80 (1)	7 (0)	76 (1)	10 (1)	76 (3)	16 (1)	265 (7)	
	Chemical Science and Engineering				93 (3)	15 (2)	83 (4)	24 (1)	86 (1)	17 (1)	318 (12)	
	Total	183	166 (7)	26 (1)	173 (4)	22 (2)	159 (5)	34 (2)	162 (4)	33 (2)	583 (19)	775 (27)
School of Computing	Mathematical Science and Engineering		97 (1)	7 (2)	36 (0)	3 (0)	33 (1)	5 (0)	33 (0)	2 (0)	112 (1)	
	Computer Science				62 (4)	6 (0)	63 (4)	8 (1)	65 (4)	2 (0)	206 (13)	
	Total	92	97 (1)	7 (2)	98 (4)	9 (0)	96 (5)	13 (1)	98 (4)	4 (0)	318 (14)	422 (17)
School of Life Science and Technology	Life Science and Technology		128 (0)	27 (0)	108 (3)	38 (0)	110 (5)	40 (1)	120 (1)	29 (0)	445 (10)	
	Total	150	128 (0)	27 (0)	108 (3)	38 (0)	110 (5)	40 (1)	120 (1)	29 (0)	445 (10)	600 (10)
School of Environment and Society	Architecture and Building Engineering		114 (18)	26 (9)	39 (2)	17 (0)	43 (2)	16 (0)	38 (1)	19 (0)	172 (5)	
	Civil				27 (0)	8 (0)	26 (1)	12 (1)	30 (0)	9 (2)	112 (4)	
	Social and Human Sciences				36 (13)	10 (8)	41 (18)	12 (9)	42 (16)	13 (8)	154 (72)	
	Total	134	114 (18)	26 (9)	102 (15)	35 (8)	110 (21)	40 (10)	110 (17)	41 (10)	438 (81)	578 (108)
Total			1,068	1,012 (44)	119 (15)	964 (40)	144 (12)	977 (56)	180 (17)	1,004 (49)	3,406 (188)	4,537 (247)

Note: 1) Figures in parentheses represent the number of international students. 2)\* Total (Department) shows the number of students (2nd- to 4th-year undergraduates) who enrolled in the Department's bachelor's degree programs.

Number of students by Department who enrolled in bachelor's degree programs in AY 2015 or earlier

School	Department	1st year		4th year		Total		Total
		M	F	M	F	M	F	
Science	Mathematics			15 (0)		15 (0)		15 (0)
	Physics			24 (0)		24 (0)		24 (0)
	Chemistry			7 (0)		7 (0)		7 (0)
	Information Science			9 (2)	1 (0)	9 (2)	1 (0)	10 (2)
	Earth and Planetary Sciences			15 (1)		15 (1)		15 (1)
	Total			70 (3)	1 (0)	70 (3)	1 (0)	71 (3)
Engineering	Metallurgical Engineering			6 (0)		6 (0)		6 (0)
	Organic and Polymeric Materials			4 (0)		4 (0)		4 (0)
	Inorganic Materials			3 (0)		3 (0)		3 (0)
	Chemical Engineering			15 (0)		15 (0)		15 (0)
	Polymer Chemistry			2 (0)		2 (0)		2 (0)
	Mechanical Engineering and Science			9 (4)		9 (4)		9 (4)
	Mechanical and Intelligent Systems Engineering			18 (2)		18 (2)		18 (2)
	Mechano-Aerospace Engineering			4 (1)		4 (1)		4 (1)
	Control and Systems Engineering			5 (0)	1 (0)	5 (0)	1 (0)	6 (0)
	Industrial and Systems Engineering			10 (0)		10 (0)		10 (0)
	Electrical and Electronic Engineering			24 (2)		24 (2)		24 (2)
	Computer Science			34 (1)		34 (1)		34 (1)

School	Department	1st year		4th year		Total		Total
		M	F	M	F	M	F	
Engineering	Civil and Environmental Engineering			7 (1)		7 (1)		7 (1)
	Architecture and Building Engineering			6 (1)	1 (0)	6 (1)	1 (0)	7 (1)
	Social Engineering			10 (0)	3 (0)	10 (0)	3 (0)	13 (0)
	International Development Engineering			15 (5)	2 (0)	15 (5)	2 (0)	17 (5)
	General Education (1st-year)	2 (0)				2 (0)		2 (0)
	Total	2 (0)		172 (17)	7 (0)	174 (17)	7 (0)	181 (17)
Bioscience and Biotechnology	Bioscience			20 (0)	2 (0)	20 (0)	2 (0)	22 (0)
	Biotechnology			3 (0)		3 (0)		3 (0)
	General Education (1st-year)	1 (0)				1 (0)		1 (0)
	Total	1 (0)		23 (0)	2 (0)	24 (0)	2 (0)	26 (0)
Total		3 (0)		265 (20)	10 (0)	268 (20)	10 (0)	278 (20)

Note: Figures in parentheses represent the number of international students.

Total number of students in bachelor's degree programs

	1st year		2nd year		3rd year		4th year		Total		Total
	M	F	M	F	M	F	M	F	M	F	
Total	1,062	123	964	144	977	180	1,269	147	4,272	594	4,866

Number of students in master's and doctoral programs

Department	Master's program								Master's program total	Doctoral program								Doctoral program total	Master's and doctoral programs total		
	Admission quota	Enrollment quota	1st year		2nd year		Total			Admission quota	Enrollment quota	1st year		2nd year		3rd year				Total	
			M	F	M	F	M	F				M	F	M	F	M	F			M	F
School or Graduate School																					
School of Science																					
Mathematics	154	308	20 (0)	3 (1)	28 (0)	2 (0)	48 (0)	5 (1)	53 (1)	52	156	3 (0)	1 (0)	5 (0)	1 (0)	6 (0)		14 (0)	2 (0)	16 (0)	69 (1)
Physics			56 (3)	6 (0)	57 (1)	7 (0)	113 (4)	13 (0)	126 (4)			17 (2)	1 (1)	13 (2)	1 (0)	17 (1)	4 (1)	47 (5)	6 (2)	53 (7)	179 (11)
Chemistry			46 (2)	18 (0)	49 (0)	14 (1)	95 (2)	32 (1)	127 (3)			12 (2)	1 (0)	6 (0)		11 (2)	2 (0)	29 (4)	3 (0)	32 (4)	159 (7)
Earth and Planetary Sciences			14 (0)	2 (0)	20 (3)		34 (3)	2 (0)	36 (3)			5 (2)	5 (3)	6 (1)	2 (1)	8 (3)	2 (1)	19 (6)	9 (5)	28 (11)	64 (14)
Total			136 (5)	29 (1)	154 (4)	23 (1)	290 (9)	52 (2)	342 (11)			37 (6)	8 (4)	30 (3)	4 (1)	42 (6)	8 (2)	109 (15)	20 (7)	129 (22)	471 (33)
School of Engineering																					
Mechanical Engineering	477	954	195 (38)	13 (5)	213 (34)	20 (9)	408 (72)	33 (14)	441 (86)	169	507	27 (13)	5 (3)	32 (16)	2 (2)	28 (14)	7 (2)	87 (43)	14 (7)	101 (50)	542 (136)
Systems and Control Engineering			57 (7)	4 (2)	60 (7)	3 (1)	117 (14)	7 (3)	124 (17)			8 (5)		10 (5)	1 (1)	15 (7)	1 (1)	33 (17)	2 (2)	35 (19)	159 (36)
Electrical and Electronic Engineering			148 (22)	10 (9)	149 (25)	18 (9)	297 (47)	28 (18)	325 (65)			41 (22)	3 (3)	26 (13)		17 (11)	4 (4)	84 (46)	7 (7)	91 (53)	416 (118)
Information and Communications Engineering			88 (25)	15 (13)	85 (24)	9 (4)	173 (49)	24 (17)	197 (66)			19 (10)	2 (2)	24 (14)	4 (3)	20 (6)	7 (5)	63 (30)	13 (10)	76 (40)	273 (106)
Industrial Engineering and Economics			52 (5)	11 (5)	64 (5)	13 (7)	116 (10)	24 (12)	140 (22)			4 (3)	3 (3)	7 (1)	1 (1)	9 (5)	4 (3)	20 (9)	8 (7)	28 (16)	168 (38)
Total			540 (97)	53 (34)	571 (95)	63 (30)	1,111 (192)	116 (64)	1,227 (256)			99 (53)	13 (11)	99 (49)	8 (7)	89 (43)	23 (15)	287 (145)	44 (33)	331 (178)	1,558 (434)
School of Materials and Chemical Technology																					
Materials Science and Engineering	347	694	186 (16)	35 (18)	166 (24)	53 (12)	352 (40)	88 (30)	440 (70)	129	387	41 (12)	5 (2)	36 (15)	7 (5)	49 (21)	10 (4)	126 (48)	22 (11)	148 (59)	588 (129)
Chemical Science and Engineering			157 (23)	57 (14)	170 (18)	43 (5)	327 (41)	100 (19)	427 (60)			33 (9)	7 (6)	25 (10)	5 (3)	35 (8)	7 (7)	93 (27)	19 (16)	112 (43)	539 (103)
Total			343 (39)	92 (32)	336 (42)	96 (17)	679 (81)	188 (49)	867 (130)			74 (21)	12 (8)	61 (25)	12 (8)	84 (29)	17 (11)	219 (75)	41 (27)	260 (102)	1,127 (232)
School of Computing																					
Mathematical and Computing Science	135	270	50 (6)	4 (1)	57 (11)	1 (1)	107 (17)	5 (2)	112 (19)	50	150	11 (1)	1 (0)	11 (4)		7 (1)	3 (1)	29 (6)	4 (1)	33 (7)	145 (26)
Computer Science			107 (21)	12 (5)	116 (29)	20 (13)	223 (50)	32 (18)	255 (68)			28 (12)	5 (4)	14 (8)	3 (2)	27 (8)	6 (1)	69 (28)	14 (7)	83 (35)	338 (103)
Total			157 (27)	16 (6)	173 (40)	21 (14)	330 (67)	37 (20)	367 (87)			39 (13)	6 (4)	25 (12)	3 (2)	34 (9)	9 (2)	98 (34)	18 (8)	116 (42)	483 (129)

Staff / Student Numbers

As of May 1, 2019

Number of students in master's and doctoral programs (cont.)

Department	Master's program								Master's program total	Doctoral program												Doctoral program total	Master's and doctoral programs total
	Admission quota	Enrollment quota	1st year		2nd year		Total			Admission quota	Enrollment quota	1st year		2nd year		3rd year		Total					
			M	F	M	F	M	F				M	F	M	F	M	F	M	F				
School or Graduate School																							
School of Life Science and Technology																							
Life Science and Technology	168	336	127 (12)	68 (16)	134 (9)	66 (18)	261 (21)	134 (34)	395 (55)	52	156	25 (10)	18 (13)	36 (9)	10 (6)	34 (4)	16 (10)	95 (23)	44 (29)	139 (52)	534 (107)		
Total			127 (12)	68 (16)	134 (9)	66 (18)	261 (21)	134 (34)	395 (55)			25 (10)	18 (13)	36 (9)	10 (6)	34 (4)	16 (10)	95 (23)	44 (29)	139 (52)	534 (107)		
School of Environment and Society																							
Architecture and Building Engineering	263	526	82 (16)	56 (14)	113 (21)	52 (16)	195 (37)	108 (30)	303 (67)	115	345	21 (9)	10 (6)	12 (6)	8 (3)	20 (4)	8 (5)	53 (19)	26 (14)	79 (33)	382 (107)		
Civil and Environmental Engineering			55 (20)	12 (6)	55 (17)	19 (8)	110 (37)	31 (14)	141 (51)			10 (8)	4 (4)	4 (2)	1 (1)	15 (11)	4 (4)	29 (21)	9 (9)	38 (30)	179 (81)		
Transdisciplinary Science and Engineering			54 (17)	27 (17)	79 (24)	22 (14)	133 (41)	49 (31)	182 (72)			18 (13)	8 (6)	27 (12)	10 (10)	26 (16)	17 (12)	71 (41)	35 (28)	106 (69)	288 (141)		
Social and Human Sciences			21 (6)	24 (8)	29 (5)	22 (9)	50 (11)	46 (17)	96 (28)			6 (0)	3 (1)	3 (0)	2 (1)	8 (0)		17 (0)	5 (2)	22 (2)	118 (30)		
Innovation Science *												8 (0)	1 (0)	18 (0)	2 (1)	9 (2)	1 (1)	35 (2)	4 (2)	39 (4)	39 (4)		
Technology and Innovation Management **	40	80	37 (1)	6 (0)	45 (2)	4 (0)	82 (3)	10 (0)	92 (3)											92 (3)			
Total ***			249 (60)	125 (45)	321 (69)	119 (47)	570 (129)	244 (92)	814 (221)			63 (30)	26 (17)	64 (20)	23 (16)	78 (33)	30 (22)	205 (83)	79 (55)	284 (138)	1,098 (359)		
Graduate School of Science and Engineering																							
Mathematics																							
Fundamental Physics																							
Condensed Matter Physics																1 (1)		1 (1)		1 (1)	1 (1)		
Chemistry																1 (0)		1 (0)		1 (0)	1 (0)		
Earth and Planetary Sciences					1 (0)		1 (0)		1 (0)								1 (0)		1 (0)	1 (0)	2 (0)		
Chemistry and Materials Science																1 (0)	1 (1)	1 (0)	1 (1)	2 (1)	2 (1)		
Metallurgy and Ceramics Science																2 (1)		2 (1)		2 (1)	2 (1)		
Organic and Polymeric Materials																	1 (1)		1 (1)	1 (1)	1 (1)		
Applied Chemistry																							
Chemical Engineering																		3 (1)		3 (1)	3 (1)	3 (1)	
Mechanical Sciences and Engineering																		2 (0)		2 (0)	2 (0)	2 (0)	
Mechanical and Control Engineering						1 (0)		1 (0)				1 (0)						2 (1)	1 (0)	2 (1)	1 (0)	3 (1)	4 (1)
Mechanical and Aerospace Engineering																		5 (4)		5 (4)	5 (4)	5 (4)	
Electrical and Electronic Engineering																		1 (1)		1 (1)	1 (1)	1 (1)	
Physical Electronics																		4 (4)		4 (4)	4 (4)	4 (4)	
Communications and Integrated Systems																							
Communications and Computer Engineering																							
Civil Engineering																		2 (1)	3 (2)	2 (1)	3 (2)	5 (3)	5 (3)
Architecture and Building Engineering																		9 (4)	2 (0)	9 (4)	2 (0)	11 (4)	11 (4)
International Development Engineering						1 (0)		1 (0)				1 (0)						1 (0)	1 (0)	1 (0)	1 (0)	2 (0)	3 (0)
Nuclear Engineering																		1 (0)	1 (0)	1 (0)	1 (0)	2 (0)	2 (0)
Total					3 (0)		3 (0)		3 (0)					35 (18)	11 (4)	35 (18)	11 (4)	46 (22)	49 (22)				
Graduate School of Bioscience and Biotechnology																							
Life Science																3 (0)	1 (1)	3 (0)	1 (1)	4 (1)	4 (1)		
Biological Sciences															3 (2)	4 (3)	3 (2)	4 (3)	7 (5)	7 (5)			
Biological Information															2 (0)	1 (0)	2 (0)	1 (0)	3 (0)	3 (0)			
Bioengineering															1 (0)		1 (0)		1 (0)	1 (0)			
Biomolecular Engineering																	1 (0)		1 (0)	1 (0)			
Total																		9 (2)	7 (4)	9 (2)	7 (4)	16 (6)	16 (6)
Interdisciplinary Graduate School of Science and Engineering																							
Innovative and Engineered Materials																							
Electronic Chemistry															2 (1)	1 (0)	2 (1)	1 (0)	3 (1)	3 (1)			
Materials Science and Engineering															4 (0)		4 (0)		4 (0)	4 (0)			
Environmental Science and Technology															7 (2)	4 (2)	7 (2)	4 (2)	11 (4)	11 (4)			

Department	Master's program									Master's program total	Doctoral program												Doctoral program total	Master's and doctoral programs total	
	Admission quota	Enrollment quota	1st year		2nd year		Total		Admission quota		Enrollment quota	1st year		2nd year		3rd year		Total							
			M	F	M	F	M	F				M	F	M	F	M	F	M	F						
School or Graduate School																									
Interdisciplinary Graduate School of Science and Engineering																									
Built Environment					1 (0)			1 (0)		1 (0)							3 (0)		3 (0)		3 (0)		3 (0)	4 (0)	
Energy Sciences																		2 (0)	2 (0)	2 (0)	2 (0)	4 (0)	4 (0)		
Environmental Chemistry and Engineering																		3 (1)		3 (1)		3 (1)	3 (1)		
Electronics and Applied Physics																		2 (0)	1 (0)	2 (0)	1 (0)	3 (0)	3 (0)		
Mechano-Micro Engineering																									
Computational Intelligence and Systems Science																				25 (6)	3 (2)	25 (6)	3 (2)	28 (8)	28 (8)
Information Processing							1 (1)		1 (1)			1 (1)							12 (4)	1 (1)	12 (4)	1 (1)	13 (5)	14 (6)	
Total							2 (1)		2 (1)			2 (1)							60 (14)	12 (5)	60 (14)	12 (5)	72 (19)	74 (20)	
Graduate School of Information Science and Engineering																									
Mathematical and Computing Sciences																	3 (1)	2 (1)	3 (1)	2 (1)	5 (2)	5 (2)			
Computer Science																4 (0)	1 (0)	4 (0)	1 (0)	5 (0)	5 (0)				
Mechanical and Environmental Informatics																1 (1)		1 (1)		1 (1)	1 (1)				
Total																	8 (2)	3 (1)	8 (2)	3 (1)	11 (3)	11 (3)			
Graduate School of Decision Science and Technology																									
Human System Science																	5 (1)	4 (2)	5 (1)	4 (2)	9 (3)	9 (3)			
Value and Decision Science																9 (0)	8 (1)	9 (0)	8 (1)	17 (1)	17 (1)				
Industrial Engineering and Management																11 (4)	2 (1)	11 (4)	2 (1)	13 (5)	13 (5)				
Social Engineering							1 (0)		1 (0)			1 (0)					4 (0)	3 (0)	4 (0)	3 (0)	7 (0)	8 (0)			
Total							1 (0)		1 (0)			1 (0)					29 (5)	17 (4)	29 (5)	17 (4)	46 (9)	47 (9)			
Graduate School of Innovation Management																									
Management of Technology **					3 (0)	1 (0)	3 (0)	1 (0)	4 (0)														4 (0)		
Innovation *																	15 (1)	4 (0)	15 (1)	4 (0)	19 (1)	19 (1)			
Total							3 (0)	1 (0)	3 (0)			1 (0)	4 (0)						15 (1)	4 (0)	15 (1)	4 (0)	19 (1)	23 (1)	
Total ***																									
	1,584	3,168	1,552 (240)	383 (134)	1,697 (260)	390 (127)	3,249 (500)	773 (261)	4,022 (761)	567	1,701	337 (133)	83 (57)	315 (118)	60 (40)	517 (166)	157 (80)	1,169 (417)	300 (177)	1,469 (594)	5,491 (1,355)				

Staff / Student Numbers

As of May 1, 2019

International students

Country or region	Bachelor's program	Master's program	Doctoral program	Professional master's program	Non-degree program	Total
Asia						
Bangladesh		9	8		2	19
Cambodia	4	6	14		2	26
China	106	471	169	1	69	816
India	6	8	16		2	32
Indonesia	19	57	73		3	152
Korea	43	30	54	1	7	135
Malaysia	10	10	14		1	35
Mongolia	16	2	2			20
Myanmar		1	1			2
Laos		1				1
Nepal	2	3	6		1	12
Pakistan		1	1		1	3
Philippines	2	3	13		3	21
Singapore	2	1	1		2	6
Sri Lanka		2	9			11
Taiwan	3	22	12		8	45
Thailand	32	38	71		3	144
Bhutan			1			1
Vietnam	10	14	20		2	46
Middle East						
Iran		4	7			11
Israel			1			1
Jordan		1	2			3
Lebanese		1				1
Oman		1				1
Saudi Arabia			3			3
Syria		1	1			2
Turkey		3	3			6
Africa						
Algeria		1	1			2
Cameroon	1	1				2
Egypt		5	12		9	26
Ethiopia		1				1
Kenya		1				1
Kingdom of Morocco					1	1
Nigeria		1			1	2
Senegal			3			3
South Africa			1		1	2
Tanzania		1				1
Tunisia		1	3		1	5
Zambia		2				2
Zimbabwe			3			3
Oceania						
Australia			2		1	3

Country or region	Bachelor's program	Master's program	Doctoral program	Professional master's program	Non-degree program	Total
North America						
Canada		2	2		1	5
U.S.A		5	2		2	9
Central and South America						
Brazil	2	4	6		3	15
Chile			1			1
Colombia	1	1	1		1	4
Costa Rica		1				1
Ecuador		1				1
El Salvador	1					1
Jamaica		1				1
Mexico		3	4		2	9
Panama			1			1
Peru	5				1	6
Europe						
Austria		1			1	2
Bulgaria	1	1			1	3
Bosnia and Herzegovina			2			2
Denmark					1	1
Finland			1		4	5
France					8	8
Germany		7	6		9	22
Greece		2			1	3
Hungary					1	1
Iceland					1	1
Italy		1	2		4	7
Kazakhstan		2	6			8
Lithuania			1			1
Macedonia		1				1
Netherlands		3	1		1	5
Norway					4	4
Poland			3			3
Russia	1	1	1		1	4
Serbia			1			1
Spain		1	4			5
Sweden			1		11	12
Switzerland		2	1		2	5
U.K.		2			1	3
Ukraine		2			1	3
Republic of Uzbekistan		1				1
Total						
	267	749	574	2	182	1,774

Enrollment

As of May 1, 2019

Enrollment

Classifications	Bachelor's program						Total
	School of Science	School of Engineering	School of Materials and Chemical Technology	School of Computing	School of Life Science and Technology	School of Environment and Society	
Applicants	743	1,866	641	933	813	721	5,717
Admitted	143	314	160	86	105	92	900
Enrolled	163	377	192	104	155	140	1,131

Classifications	Master's program						Total
	School of Science	School of Engineering	School of Materials and Chemical Technology	School of Computing	School of Life Science and Technology	School of Environment and Society	
Applicants	281	838	510	248	235	419	2,531
Admitted	154	477	347	135	168	263	1,544
Enrolled	159	500	376	145	175	253	1,608

Classifications	Professional master's program	Total
	School of Environment and Society	
Applicants	56	56
Admitted	40	40
Enrolled	34	34

Classifications	Doctoral program						Total
	School of Science	School of Engineering	School of Materials and Chemical Technology	School of Computing	School of Life Science and Technology	School of Environment and Society	
Applicants	40	69	54	35	30	53	281
Admitted	52	169	129	50	52	115	567
Enrolled	40	61	52	33	25	44	255

Location of high schools from which students graduated

Region	Prefecture	Enrolled	Region	Prefecture	Enrolled	Region	Prefecture	Enrolled
Hokkaido	Hokkaido	27	Chubu	Fukui	3	Chugoku	Yamaguchi	5
Tohoku	Aomori	4		Yamanashi	3	Shikoku	Tokushima	1
	Iwate	3		Nagano	3		Kagawa	6
	Miyagi	7		Gifu	6		Ehime	5
	Akita	2		Shizuoka	25		Kochi	4
	Yamagata	4		Aichi	38	Kyushu / Okinawa	Fukuoka	14
	Fukushima	5	Kinki	Mie	2		Saga	2
Kanto	Ibaraki	24		Shiga	3		Nagasaki	4
	Tochigi	17		Kyoto	11		Kumamoto	5
	Gunma	4		Osaka	16		Oita	3
	Saitama	66		Hyogo	16		Miyazaki	3
	Chiba	94		Nara	5		Kagoshima	5
	Tokyo	393		Wakayama	4		Okinawa	2
	Kanagawa	177	Chugoku	Tottori	1	Other		68
Chubu	Niigata	12		Shimane	1	Total		1,131
	Toyama	5		Okayama	5			
	Ishikawa	8		Hiroshima	10			



Tokyo Tech Students after Graduation

Undergraduate students after graduation

School	Number of graduates	Manufacturers	Non-manufacturers	Government or public agencies	Other / Unknown *	Further study
School of Engineering	3					3
School of Materials and Chemical Technology	4					4
School of Computing	2					2
School of Life Science and Technology	4				1	3
School of Environment and Society	1					1
School of Science	191	4	21	1	6	159
School of Engineering	746	22	55	2	26	641
School of Bioscience and Biotechnology	145	3	7		4	131
Total	1,096	29	83	3	37	944

Note: \* includes fixed-term positions.

Master's students after graduation

Graduate School	Number of graduates	Manufacturers	Non-manufacturers	Education	Government or public agencies	Other / Unknown *	Further study
School of Science	163	65	52		2	7	37
School of Engineering	541	290	165	1	8	17	60
School of Materials and Chemical Technology	406	268	71	1	5	13	48
School of Computing	157	29	96		3	7	22
School of Life Science and Technology	181	80	62		2	9	28
School of Environment and Society	284	40	172	1	5	31	35
Graduate School of Science and Engineering	8		5			3	
Graduate School of Bioscience and Biotechnology	1					1	
Interdisciplinary Graduate School of Science and Engineering	7	1	6				
Graduate School of Information Science and Engineering	1		1				
Graduate School of Decision Science and Technology	5		2			3	
Total	1,754	773	632	3	25	91	230

Note: \* includes fixed-term positions.

Professional master's program students after graduation

Graduate School	Number of graduates	Manufacturers	Non-manufacturers	Other / Unknown	Further study
School of Environment and Society	36	4	1	25	6
Graduate School of Innovation Management	1			1	
Total	37	4	1	26	6

Doctoral students after graduation

Graduate School	Number of graduates	Manufacturers	Non-manufacturers	Education	Government or public agencies	JSPS fellows	Postdoc	Prior affiliation	Other / Unknown *
School of Science	29	7	7			1	11		3
School of Engineering	32	8	3	1			4	9	7
School of Materials and Chemical Technology	40	20	3	4		2	4	2	5
School of Environment and Society	9	2	3				2	2	
School of Life Science and Technology	9	2			1		2	2	2
School of Environment and Society	19	3	6	4				1	5
Graduate School of Science and Engineering	80	16	12	9			12	19	12
Graduate School of Bioscience and Biotechnology	18	3	7	2			2	1	3
Interdisciplinary Graduate School of Science and Engineering	50	8	8	1			8	15	10
Graduate School of Information Science and Engineering	14	1	2	1			2	2	6
Graduate School of Decision Science and Technology	3		2						1
Graduate School of Innovation Management	3						1		2
Total	306	70	53	22	1	3	48 **	53	56

Notes: JSPS: Japan Society for the Promotion of Science  
\* includes fixed-term positions.  
\*\* are fixed-term staff whose contract is less than one year or who work less than 30 hours per week.

Number of doctoral degrees granted

Classifications	Course-based					Dissertation-based		
	Doctor of Science	Doctor of Engineering	Doctor of Philosophy	Doctor of MOT	Total	Doctor of Science	Doctor of Engineering	Total
Graduate School of Science and Engineering	14	57	9		80			
Graduate School of Bioscience and Biotechnology	6	11	1		18			
Interdisciplinary Graduate School of Science and Engineering	4	40	6		50			
Graduate School of Information Science and Engineering	5	5	4		14			
Graduate School of Decision Science and Technology	1	2			3			
Graduate School of Innovation Management		1	1	1	3			
School of Science	29				29	1		1
School of Engineering		30	2		32		1	1
School of Materials and Chemical Technology	7	33			40		3	3
School of Computing	7	2			9			
School of Life Science and Technology	5	4			9			
School of Environment and Society		17	2		19		2	2
Total	78	202	25	1	306	1	6	7

# Education & Research Programs

## Education Programs

### Bachelor's degree program

#### ● Multidisciplinary Program of the Confederation of the Four Universities

Tokyo Medical and Dental University, Tokyo University of Foreign Studies, Hitotsubashi University, and Tokyo Tech concluded an agreement launching the Confederation of the Four Universities to seek the expansion of mutual interactions and enhance their curriculum offerings. When students in the joint education courses have earned the required number of credits from each participating university in their chosen course, they become eligible for a certificate of completion.

Program	Students enrolled
Multidisciplinary Program of the Confederation of the Four Universities	585
Global Scientists and Engineers Course	2,064

Note: Primary and Intermediate Courses are also available to students in master' s programs. Among the students enrolled in the courses, 408 students are in master' s programs.

#### ● Global Scientists and Engineers Course

Students enrolled in this course take classes in four programs in addition to their regular bachelor's degree coursework to improve their international awareness, English language proficiency and communication skills, understanding of different cultures, ability to work on a team, ability to find and solve problems, and to enhance their experience studying abroad. Students satisfying all requirements are awarded a certificate of completion. Courses are divided into Basic, Intermediate, and Advanced levels, with the last of these aimed at master's and professional master's students.

As of May 1, 2019

### Master's and doctoral degree programs

#### ● Graduate minors

In addition to acquiring specialized knowledge through graduate majors, students can take graduate minors either to broaden their knowledge and skills in a field different from their major, or to grasp the essence of multiple graduate majors. A certificate is awarded upon completion of a graduate minor.

#### ● Dual Degree Program

This program allows students enrolled in doctoral programs at Tokyo Tech to be concurrently enrolled in the Department of Technology and Innovation Management, School of Environment and Society. Students gain deep knowledge and develop excellent skills in their specialized fields through unique and independent research activities as they acquire dual degrees.

#### ● Specially offered degree programs for graduate students

Tokyo Institute of Technology offers five educational programs that provide students with a seamless transition through master's and doctoral studies, aiming to prepare future leaders to play active roles in global society while responding to the demands of industry, academia, and government. Tokyo Tech students who meet the completion requirements will receive an acknowledgement on their diploma in addition to recognition of their degree. The Six educational programs offered are:

- Tokyo Tech Academy for Leadership (ToTAL)
- Academy for Global Leadership (AGL)
- Academy for Co-creative Education of Environment and Energy Science (ACEEES)
- Education Academy of computational Life (ACLS)
- Academy for Global Nuclear Safety and Security Agent (U-ATOM)
- Tokyo Tech Academy for Convergence of Materials and Informatics (TAC-MI)

FY 2018

Program	Students who completed program
Graduate minors	11
Dual Degree Program	2
Progressive graduate minors	59
Tokyo Tech-Tsinghua University Joint Graduate Program	14

## International Graduate Program

### ● International Graduate Program

The International Graduate Program (IGP) offers all classes in English. Although students' specializations vary, many departments provide this program for courses related to international issues. Beyond their specializations, students can also take classes in education, culture, and the

Japanese language, which enable students who seek employment in Japan after the completion of their studies to find a smooth career path. Excellent students are eligible for the Japanese Government (MEXT) Scholarships.

As of May 1, 2019

School	Master's program	Doctoral program	Total
Science	5	14	19
Engineering	149	125	274
Materials and Chemical Technology	98	89	187
Computing	52	21	73
Life Science and Technology	38	46	84
Environment and Society	128	89	217
Total	470	384	854

Graduate School	Master's program	Doctoral program	Total
Science and Engineering		16	16
Bioscience and Biotechnology		5	5
Interdisciplinary Graduate School of Science and Engineering		14	14
Information Science and Engineering		2	2
Decision Science and Technology		3	3
Total		40	40
School and Graduate School total	470	424	894

## Research Programs

### Features research platforms

#### ● Earth-Life Science Institute (ELSI) established by the World Premier International Research Center Initiative (WPI)

ELSI was formed as part of the MEXT World Premier International Research Center Initiative (WPI). It aims to answer key questions about the origin of life based on early Earth-life system research. To achieve this, ELSI strives to become a world research hub through its use of the Earth, planetary, and life sciences to create a new field — bioplanetology.

Term	Oct. 29, 2012 - Mar. 31, 2023
Program Director	Kei HIROSE

#### ● Tokodai Institute for Element Strategy (TIES) adopted by the MEXT Element Strategy Initiative to Form Core Research Center

TIES is the only facility in Japan funded by the MEXT Element Strategy Initiative to Form Core Research Centers for Electronic Materials. TIES aims to realize useful functions utilizing abundant elements, enhance industrial competitiveness in Japan, and develop alternative and novel functional materials without using rare earth elements.

Term	June 29, 2012 - Mar. 31, 2022
Program Director	Hideo HOSONO

#### ● Research Center for Earth Inclusive Sensing Empathizing with Silent Voice (EISESiV) adopted by the COI STREAM of MEXT

EISESiV aims to implement a cycle so as to the problems regarding people, society and the nature through people in low-environmental-load and eco-friendly approach.

Term	Apr. 1, 2018 - Mar. 31, 2022 (Plan)
Project Leader	Toshiyuki HIROI
Research Leader	Hitoshi WAKABAYASHI

## Research Groups

As of Jul. 1, 2019

Objective	Name	Program director	Title and affiliation
Grobal Socio-Economic Studies of Energy and Envurinment after the post Paris agreement in grobal and Japan	Global Socio-Economic Studies of Energy and Environment: Tackling with global challenges	Koji TOKIMATSU	Associate Professor, School of Environment and Society
Exploitation of new applications with spin-related electronic and photonic devices	Promotion of Spintronics Research	Hiro MUNEKATA	Professor, Institute of Innovative Research
Realization of Future Continuable Health Society	Research Group for Future Sports and Health Science	Nobuhiro HAYASHI	Associate Professor, School of Life Science and Technology
IV system reform toward innnovations	Innovation Center for Materials Science and Engineering	Yuji WADA	Professor, School of Materials and Chemical Technology
Study of Signal Processing and Network Technologies for Advanced Radio Systems	Mobile Communications Research Group (MCRG)	Jun-ichi TAKADA	Professor, School of Environment and Society
Development of Computational Drug Discovery Platform for Middle Molecule	Middle Molecule IT-based Drug Discovery Laboratory (MIDL)	Yutaka AKIYAMA	Professor, School of Computing
Innovative ICT Research involving Material, Device and System Integration	ICT Research Initiative toward Smart Society	Fumio KOYAMA	Professor, Institute of Innovative Research
Promotion of research on data science / artificial intelligence for solving socially important problems	Data science / artificial intelligence research group for solving socially important problems	Haruo Yokota	Professor, School of Computing
Development of Interdisciplinary Technologis for Symbiotic Ecosystems of Agriculture and Industry	The Innovative Research Project for Symbiotic Ecosystems of Agriculture and Industry	Masayuki Yamamura	Professor, School of Computing

Corporate Alliances

● Partner corporations

As of May 1, 2019

Corporation name	Date of agreement	Theme
Fujitsu Laboratories Ltd.	Jan. 21, 2004	Information technology
Mitsubishi Chemical Corporation	Jan. 22, 2004	Chemical process and new functional materials
Sumitomo Mitsui Banking Corporation	Oct. 1, 2004	Technology matching
Nippon Telegraph and Telephone Corporation	Sept. 10, 2008	Research and development information and telecommunications
Nomura Research Institute, Ltd.	Sept. 22, 2008	Research and development on service innovation
Hitachi, Ltd.	Jul. 1, 2011	Next-generation technologies for social innovation
Nomura Securities Co., Ltd.	Sept. 1, 2013	Commercialization of research results and intellectual property
Japan Labour Health and Safety Organization, Tokyo Rosai Hospital	Apr. 1, 2014	Cooperation between the medical sciences and engineering to contribute to progress in medicine, science, and industry
TDK Corporation	Jan. 21, 2015	R & D in technologies related to magnets, magnetic materials, functional ceramic materials, and sensors
Komatsu Ltd.	Apr. 1, 2015	Construction machinery required in the future
Connected Solutions Company, Panasonic Corporation	Dec.1, 2017	R & D in high performance computation for scientific applications
Mitsubishi Electric Corporation	Apr. 1, 2018	Research and development of next-generation technologies
Kanagawa Institute of Industrial Science and Technology	Jul. 1, 2018	Research and development of industrial and other technologies
NIPPON STEEL CORPORATION	Oct. 1, 2018	Fundamental scientific research on future iron and steel materials/processes

● Partner corporations to promote industry liaison

Corporation name	Date of agreement	Theme
Innovations and Future Creation Inc.	May. 13, 2016	Promotion and implementation of socially relevant enterprises
Fuyo General lease Co., Ltd. & Innovations and Future Creation Inc.	Oct. 27, 2017	Creation and development of products, services, and enterprises that utilize intellectual property
Kawasaki City	May 21, 2018	Promotion of regional development through innovation
Japan External Trade Organization	May 30, 2018	Globalization of academic research, development of skilled individuals, and industry liaison
THE SEIBU SHINKIN BANK	Jul. 31, 2018	Development of local communities
The Bank of Yokohama,Ltd.	Mar. 6, 2019	Sustainable development/revitalization of local economies

Collaborative Research Chairs

● Collaborative Research Chairs

As of May 1, 2019

Name	Collaborating corporation	Term	Affiliation	Research theme
Collaborative Research Division for Information Distribution Platform System	NTT Communications Corp.	Apr.1,2010-Mar.31,2020	IIR	Research on Information Distribution Platform System
Tokyo Gas collaboration Research Unit	Tokyo Gas Co.,Ltd	Apr.1,2010-Mar.31,2020	IIR (AES)	Smart Energy Network toward a Low Carbon Society
ENEOS Collaboration Research Unit	JXTG Nippon Oil & Energy Corp.	Apr.1,2010-Mar.31,2020	IIR (AES)	Low Carbon Emission Energy Systems
Mitsubishi Corp .Collaboration Research Unit	Mitsubishi Corp.	Apr.1,2010-Mar.31,2020	IIR (AES)	Renewable Energy Utilization
NTT Facilities Collaboration Research Unit	NTT Facilities,Inc.	Apr.1,2010-Mar.31,2020	IIR (AES)	Smart Energy Network in Next-generation Communities
Toshiba Collaborative Research Division for Smart City Infrastructure	Toshiba Corp.	July.1,2013-June 30,2020	IIR (AES)	Research on Integrated Solutions for Smart City Infrastructure
Center for TDB Advanced Data Analysis and Modeling (TDB-ADAMS)	Teikoku Databank,Ltd.	Oct.31,2014-Mar.31,2021	IIR	Big Data Analysis and Mathematical Modeling of Business
Hitachi-Integration Control System of energies	Hitachi Ltd.	Oct.1,2015-Sep.30,2019	IIR (AES)	Integration Control System of plural energies including renewable energy
Gurunavi collaboration Research Unit	Gurunavi,Inc	June 1,2016-May 31,2019	Life Sci. and Tech.	Research on Japanese food culture and microbiome
Input Output Cryptocurrency Collaborative Research Chair	Input Output JP KK	Jan.1,2017-Dec.31,2020	Computing	Research on modern decentralized cryptocurrencies
Collaborative Research Division Program on Future Cementitious Materials	Taiheiyō Cement Corp. / Denka Co.,Ltd	Apr.1,2017-Mar.31,2020	Mat. and Chem. Tech.	Cementitious Materials for Sustainable Society
Softbank Mobile Communication Networks Collaboration Research Unit	SoftBank Corp.	Apr.1,2017-Mar.31,2022	Engineering	Research and Development on Next-Generation Mobile Communication Technologies
Real-scale Experimental Mechanics Laboratory	OILES Corp. / KYB Corp. / SWCC SHOWA CABLE SYSTEMS Co.,Ltd / The Japan Iron and Steel Federation / Bridgestone Corp.	Apr.1,2017-Mar.31,2020	IIR	A Study on the World's Largest System for Tri-axial Dynamic Tests
Next-generation AI and Robotics Research Alliance Laboratory	Honda Research Institute Japan Co.,Ltd	June 1,2017-Mar.31,2021	Engineering	Research on next-generation AI, robotics, and transdisciplinary technology
NuFlare Future Technology Laboratory	NuFlare Technology,Inc	Apr.1,2018-Mar.31,2021	IIR	Research on next-generation cutting-edge semiconductor manufacturing equipment
MUFG AI Financial Market Analysis Laboratory	MUFG Bank,Ltd	Apr.1,2018-Mar.31,2020	IIR	Research and development regarding next-generation AI, financial systems, and natural language processing
RIVERFIELD Inc. Joint Collaborative Research Laboratory for Advanced Surgical Robots and Systems	RIVERFIELD Inc.	Dec.1,2018-Nov.30,2020	IIR	Study on minimally-invasive surgical robot systems realizing task automation and the fusion of diagnosis and treatment
LG×JXTG Nippon Oil & Energy Smart Materials & Devices Collaborative Research Programs	LG Japan Lab Inc. / JXTG Nippon Oil & Energy Corp.	Apr.1,2019-Mar,31,2021	IIR	Smart Materials & Devices Collaborative Research Programs
RICOH Collaborative Research Programs on Advanced Digital Printing Technology	Ricoh Company, Ltd.	Apr.1,2019-Mar.31,2022	Engineering	Conducting the fundamental research on the core technology of advanced digital printing in order to address the demands of the development and the design criteria of future products

Note: **Engineering**: School of Engineering, **Mat. and Chem. Tech.**: School of Materials and Chemical Technology, **Computing**: School of Computing, **Life Sci. and Tech.**: School of Life Science and Technology, **IIR**: Institute of Innovative Research

Collaborative Research Chairs

● Collaborative Research Clusters

As of May 1, 2019

Name	Collaborating corporation	Term	Affiliation	Research theme
Komatsu Collaborative Research Chair	Komatsu Ltd.	Apr.1,2019-Mar.31,2024	IIR	Research on Tribological Technologies in Construction and Mining machinery
Collaborative Research Cluster on AI Proteomics with aiwell Inc.	aiwell Inc.	Apr.5,2019-Apr.4,2022	Life Sci. and Tech.	Research and development on AI Proteomics and its practical implementations

Note: **Life Sci. and Tech.**: School of Life Science and Technology, **IIR**: Institute of Innovative Research

FY 2018 Intellectual Property Management

No. of inventions reported	No. of domestic patent applications	No. of licenses and onerous transfers	Value of licenses and onerous transfers (thousand yen)
281	234	156	230,542

Industry Relations

As of May 1, 2019

Number of Certified Tokyo Tech Ventures

Year	Number of ventures certified that year	Running total of certified ventures	Year	Number of ventures certified that year	Running total of certified ventures	Year	Number of ventures certified that year	Running total of certified ventures
FY 2019	4	98	FY 2012	3	67	FY 2005	6	36
FY 2018	12	94	FY 2011	5	64	FY 2004	11	30
FY 2017	4	82	FY 2010	2	59	FY 2003	3	19
FY 2016	4	78	FY 2009	4	57	FY 2002	16	16
FY 2015	3	74	FY 2008	5	53	FY 2001	—	—
FY 2014	1	71	FY 2007	9	48	FY 2000	—	—
FY 2013	3	70	FY 2006	3	39	FY 1999 and before	—	—

Companies Certified as Tokyo Tech Ventures since FY 2018

Certification No.	Certificated	Company	Summary of business	Type	Founded
98	Apr. 23, 2019	NEFROCK Inc.	Machine-learning focused software development using deep learning / Hardware development such as circuit and housing design	2	Jul. 1, 2011
97	Apr. 23, 2019	Pliant Robotics Co., Ltd.	Design, manufacturing, sales, technical consulting, research and development of soft actuators / Consulting on robot design, development, operation, etc.	1, 2	Mar. 20, 2019
96	Apr. 23, 2019	prd, Inc.	C2C home tutor matching service / Development and operation of open innovation service to support recruiting/ job hunting for companies/students / Development of online marketplace for lectures	2	Jan. 9, 2018
95	Apr. 23, 2019	withID inc.	Creation and operation of digital ID/authentication system utilizing ID information pre-registered online or offline	2	Mar. 1, 2019
94	Mar. 20, 2019	Synspective Inc.	Design, manufacturing, test, sales, operation, management, and maintenance of satellites with high-efficiency millimeter-wave band planar antennas / Provision, analysis, and processing of geospatial data gathered by satellites / Research, analysis, design, and introduction of applications	1	Feb. 22, 2018
93	Mar. 20, 2019	Enpower Japan Corp.	Development, manufacturing, and sales of small all-solid-state batteries	1, 2	Feb. 1, 2018
92	Dec. 26, 2018	Ahead Biocomputing, Co. Ltd.	Support for drug discovery using developed software / Data analysis of protein structure, genomes, etc.	1, 2	Dec. 7, 2018
91	Dec. 26, 2018	tsukuruba inc.	Providing a real estate online brokerage platform for used/renovated properties	2	Aug. 22, 2011
90	Dec. 26, 2018	Vignette & Clarity, Inc.	Manufacturing clothes using remote body measurement and 3D data, providing support, etc.	1, 2	Jul. 26, 2018
89	Dec. 26, 2018	Panair, Inc.	Operation and development of next-generation energy distribution backbone system, etc.	2	Dec. 25, 2012
88	Dec. 26, 2018	Green Chemical Inc.	Real-world implementation of biomass conversion technology and other related technology	1, 2	Oct. 23, 2018
87	Nov. 27, 2018	H-MUSCLE Corporation	Design, manufacturing, and sales of hydraulic components	1, 2	Oct. 17, 2018
86	Nov. 27, 2018	Aurora	Design, development, operation, etc. of a sharing service for portable mobile battery chargers	1, 2	Mar. 15, 2018
85	Oct. 22, 2018	Brain Signal, Inc.	Consulting, system development, and data analysis of machine learning and AI	1	Jul. 6, 2017
84	May 29, 2018	Amanogi, Corp.	Commercialization of satellite attitude control technology / Development of ultraminiature satellites and utilization of their space data	1, 2	Feb. 12, 2016
83	Apr. 26, 2018	TECH EXTENSION Co., Ltd.	Patent licensing and technical consulting to implement 3D LSI research results in industry	1	Jan. 16, 2018

Notes: Eligibility to apply for certification  
1. The company makes use of either (i) intellectual property owned by Tokyo Tech or by its staff or students or (ii) any outcome or technology resulting from research activities at Tokyo Tech.  
2. Current or former Tokyo Tech faculty or students who are among the company's founding members or were involved in its founding.



International Collaboration

Overseas Partner Universities

Academic Cooperation Agreements [Institutional-level Agreements] (106 agreements)

Country or region	University / Institute	Concluded	Type of exchange
Asia			
China	Harbin Institute of Technology	1980	F・S・I
	Tsinghua University	1985	F・S・I
	Shanghai Jiao Tong University	1991	F・S・I
	Peking University	1991	F・S・I
	Xi'an Jiaotong University	1991	F・S・I
	Zhejiang University	1993	F・S・I
	Beijing Institute of Technology	1993	F・S・I
	University of Science and Technology of China	1997	F・S・I
	Dalian University of Technology	2006	F・S・I
	Tongji University	2007	F・S・I
	Tianjin University	2007	F・S・I
India	The Hong Kong University of Science and Technology	2010	F・S・I
	Southeast University	2013	F・S・I
Indonesia	Indian Institute of Technology Madras	2015	F・S・I
	Bandung Institute of Technology	1988	F・S・I
Korea	University of Indonesia	1992	F・S・I
	Gadjah Mada University	2000	F・S・I
Korea	Korea Advanced Institute of Science and Technology (KAIST)	1986	F・S・I
	Korea Institute of Science and Technology (KIST)	1991	F・I
	Korea University	1992	F・S・I
	Hanyang University	1996	F・S・I
	Yonsei University	2002	F・S・I
	Pohang University of Science and Technology	2003	F・S・I
	Seoul National University	2007	F・S・I
	Sungkyunkwan University	2008	F・S・I
	Mongolian University of Science and Technology	2003	F・S・I
	National University of Mongolia	2007	F・S・I
Philippines	De La Salle University	1992	F・S・I
	University of the Philippines	1992	F・S・I
Singapore	National University of Singapore	1991	F・S・I
	Nanyang Technological University	2009	F・S・I
	Singapore University of Technology and Design	2016	F・S・I
Taiwan	National Cheng Kung University	1997	F・S・I
	National Tsing Hua University	1998	F・S・I
	National Taiwan University	1999	F・S・I
	National Chiao Tung University	2004	F・S・I
	National Central University	2007	F・S・I
	National Taiwan University of Science and Technology	2018	F・S・I
Thailand	Chulalongkorn University	1985	F・S・I
	King Mongkut's Institute of Technology Ladkrabang	1992	F・S・I
	Thammasat University	1996	F・S・I
	Kasetsart University	1996	F・S・I
	National Science and Technology Development Agency (NSTDA)	2001	F・S・I
	King Mongkut's University of Technology North Bangkok	2005	F・S・I
	Asian Institute of Technology	2005	F・S・I
	TAIST - Tokyo Tech	2006	F・S・I
	King Mongkut's University of Technology Thonburi	2007	F・S・I
	UNESCO Bangkok	2015	F・S・I
Vietnam	Hanoi University of Science and Technology	1995	F・S・I
	VNU University of Science	1995	F・S・I
	Ho Chi Minh City University of Technology	2012	F・S・I
Consortium	ASPIRE League	2010	F・S・I
Middle East			
Turkey	Middle East Technical University	1992	F・S・I
	Boğaziçi University	1998	F・S・I
	Istanbul Technical University	2012	F・S・I
Africa			
Egypt	Egypt-Japan University of Science and Technology (E-JUST)	2015	F・S・I

Country or region	University / Institute	Concluded	Type of exchange
Oceania			
Australia	The University of Melbourne	1994	F・S・I
North America			
Canada	University of Waterloo	2006	F・S・I
	The University of British Columbia	2013	F・S・I
U.S.A.	University of Washington	1974	F・S・I
	University of Wisconsin-Madison College of Engineering	1992	F・S・I
	Georgia Institute of Technology	2001	F・S・I
	University of California, Berkeley	2012	F・S・I
	University of Minnesota	2013	F・S・I
	University of California, Santa Barbara	2014	F・S・I
	Rice University	2015	F・S・I
Central and South America			
Brazil	University of São Paulo	1991	F・S・I
Europe			
Austria	TU Wien	2015	F・S・I
Belgium	Ghent University	1992	F・S・I
	Université libre de Bruxelles (ULB)	1994	F・S・I
Denmark	Technical University of Denmark	1992	F・S・I
Finland	Aalto University	1995	F・S・I
	Lappeenranta-Lahti University of Technology	1999	F・S・I
France	École Nationale des Ponts et Chaussées (Ecole des Ponts ParisTech) *	1992	F・S・I
	École d'Architecture de Paris la Villette	2000	S
	École Nationale Supérieure d'Arts et Métiers (Arts et Métiers ParisTech) *	2002	F・S・I
	University of Rennes 1	2002	F・S・I
	University of Strasbourg	2004	F・S・I
	ParisTech **	2007	F・S・I
	École Nationale Supérieure des Mines de Paris (Mines ParisTech) *	2007	F・S・I
	École Polytechnique *	2019	F・S・I
	Technical University of Munich	1982	F・S・I
	University of Stuttgart	1992	F・S・I
Germany	Leibniz University Hannover	2004	F・S・I
	RWTH Aachen University	2007	F・S・I
	Technische Universität Berlin	2008	F・S・I
	University of Bologna	1997	F・S・I
Italy	The University of Rome "La Sapienza"	1998	F・I
	Politecnico di Milano	2002	F・S・I
	University of Trento	2017	F・S・I
Netherlands	Technical University of Munich	1982	F・S・I
	University of Stuttgart	1992	F・S・I
	Leibniz University Hannover	2004	F・S・I
	RWTH Aachen University	2007	F・S・I
Norway	Technische Universität Berlin	2008	F・S・I
	University of Bologna	1997	F・S・I
	The University of Rome "La Sapienza"	1998	F・I
	Politecnico di Milano	2002	F・S・I
Russia	University of Trento	2017	F・S・I
	Technical University of Munich	1982	F・S・I
	University of Stuttgart	1992	F・S・I
	Leibniz University Hannover	2004	F・S・I
Sweden	RWTH Aachen University	2007	F・S・I
	Technische Universität Berlin	2008	F・S・I
	University of Bologna	1997	F・S・I
	The University of Rome "La Sapienza"	1998	F・I
Switzerland	Politecnico di Milano	2002	F・S・I
	University of Trento	2017	F・S・I
	Technical University of Munich	1982	F・S・I
	University of Stuttgart	1992	F・S・I
U.K.	Leibniz University Hannover	2004	F・S・I
	RWTH Aachen University	2007	F・S・I
	Technische Universität Berlin	2008	F・S・I
	University of Bologna	1997	F・S・I

[Type of Exchange] F: Faculty and researcher exchange, S: Student exchange  
I: Academic information exchange  
Notes: \* French "grandes écoles" (advanced higher education institutions)  
\*\* Institution created by the grandes écoles of science and technology in Paris. (10 institutions)

As of May 1, 2019

Academic Cooperation Agreements [School-level Agreements] (133 agreements)

Country or region	University / Institute (School)	Tokyo Tech Counterpart									Concluded	Type of exchange
		Science	Engineering	Mat. and Chem. Tech.	Computing	Life Sci. and Tech.	Envir. and Society	ILA	IIR	Centers		
		Asia										
China	University of Science and Technology, Beijing		○	○			○				1980	F・I
	Tsinghua University (Institute of Science, Technology and Society)						○	○			2001	F・S・I
	Nanjing University of Science and Technology (School of Mechanical Engineering)		○	○			○				2009	F・S・I
	Beijing Normal University (College of Water Sciences)						○				2011	F・I
	Shanghai Jiao Tong University (School of Life Sciences and Biotechnology)					○					2011	S
	Nanjing University (Graduate School)		○	○			○				2012	F・S・I
	Tongji University (College of Civil Engineering)		○	○			○				2014	F・S
	Beihang University (School of Materials Science and Engineering, School of Electronic and Information Engineering, School of Automation Science and Electrical Engineering, School of Mechanical Engineering and Automation, School of Economics and Management, School of Transportation Science and Engineering, School of Physics and Nuclear Energy Engineering, School of Chemistry)		○	○			○				2014	F・S・I
	South China University of Technology (School of Architecture)						○				2016	F・S・I
	Wuhan University of Technology (State Key Laboratory of Advanced Technology for Materials Synthesis and Processing)			○							2016	F・S・I
	Southeast University (School of Architecture), and East China Architectural Design & Research Institute						○				2016	F・S・I
	Wuhan University of Technology (School of International Education)		○	○			○				2017	S
	Zhejiang University (The College of Information Science and Electronic Engineering)		○								2018	S
India	Indian Institute of Technology Guwahati (Department of Physics)	○									2017	F・S・I
	Council of Scientific & Industrial Research, India								○		2018	F・I
Indonesia	Indonesian National Atomic Energy Agency								○		1997	F・I
	Ahmad Dahlan University (Faculty of Pharmacy)	○									2016	F・S・I
	Bandung Institute of Technology (National Center for Sustainable Transportation Technology)						○				2018	F・I
Korea	Inha University (Department of Chemical Engineering, College of Engineering)		○	○			○				2000	F・S・I
	Chungnam National University (Department of Architectural Engineering, College of Engineering)		○	○			○				2012	F・S・I
	Korea Institute of Industrial Technology (Technical Textile & Materials R&BD Group, Research Institute of Industrial Technology Convergence)			○							2012	F・S・I
	Korea Advanced Institute of Science and Technology (KAIST) (Department of Mechanical Engineering)		○								2016	S
Laos	Government of Luang Prabang, Lao PDR (Department of Heritage Luang Prabang)									GSIC	2006	F・I
Malaysia	Universiti Tenaga Nasional (College of Engineering, and College of Graduate Studies)		○	○			○				2012	F・S・I
	The National University of Malaysia (Faculty of Science and Technology)								○		2014	F・S・I
	Universiti Tenaga Nasional (College of Engineering)								○		2014	F
	Universiti Sains Malaysia (School of Biological Sciences)					○					2018	F・S・I
	University of Malaya		○	○		○	○				2018	F・S・I
Mongolia	Mongolian National University of Education		○	○			○			GSIC	2014	F・S・I
Philippines	De La Salle University (Chemical Engineering Department, College of Engineering)		○	○			○				2005	F・S・I
	Technological University of the Philippines (Graduate Programs and External Studies, College of Engineering, College of Science, College of Industrial Technology)		○	○			○				2010	F・S・I
Singapore	Singapore University of Technology and Design		○	○			○				2019	S
Taiwan	National Taiwan University (College of Engineering, and College of Electrical Engineering and Computer Science)		○	○			○				2011	S
	National Taiwan University of Science and Technology (College of Engineering)		○	○			○				2015	F・S・I
	National Taiwan University of Science and Technology (College of Electrical Engineering and Computer Science)		○	○			○				2015	F・S・I

Note: **Science:** School of Science, **Engineering:** School of Engineering, **Mat. and Chem. Tech.:** School of Materials and Chemical Technology, **Computing:** School of Computing, **Life Sci. and Tech.:** School of Life Science and Technology, **Envir. and Society:** School of Environment and Society, **ILA:** Institute for Liberal Arts, **IIR:** Institute of Innovative Research, **GSIC:** Global Scientific Information and Computing Center, **CITL:** Center for Innovative Teaching and Learning  
[Type of Exchange] F: Faculty and researcher exchange, S: Student exchange, I: Academic information exchange

Overseas Partner Universities

As of May 1, 2019

Academic Cooperation Agreements [School-level Agreements] (133 agreements)

Country or region	University / Institute (School)	Tokyo Tech Counterpart									Concluded	Type of exchange
		Science	Engineering	Mat. and Chem. Tech.	Computing	Life Sci. and Tech.	Envir. and Society	ILA	IIR	Centers		
Asia												
Taiwan	National Chiao Tung University (International College of Semiconductor Technology)		○								2015	S
	National Chiao Tung University (College of Engineering)								○		2017	F
	Industrial Technology Research Institute (Electronic and Optoelectronic System Research Laboratories)								○		2017	F・I
	National Applied Research Laboratories (National Center for Research on Earthquake Engineering)						○				2018	F・I
	National Cheng Kung University (College of Engineering)		○	○			○				2018	S
	National Taiwan University of Science and Technology (College of Engineering, College of Electrical Engineering & Computer Science, College of Applied Sciences)		○	○			○				2018	S
	National Chiao Tung University (College of Engineering)			○							2018	F・I
Thailand	Thammasat University (Chemical Engineering Department, Faculty of Engineering)		○	○			○				2006	F・S・I
	Chiang Mai University (Faculty of Engineering)		○	○			○				2012	F・S・I
	Thammasat University (Faculty of Engineering)		○	○			○				2018	S
	Synchrotron Light Research Institute		○								2018	F・I
Vietnam	Vietnam Atomic Energy Commission								○		1999	F・I
	VNU University of Science (Faculty of Physics)								○		2003	F・S・I
Middle East												
Saudi Arabia	King Abdullah University of Science and Technology (Extreme Computing Research Center)									GSIC	2017	F・I
Iran	University of Tehran (College of Engineering)		○	○			○				2018	F・S・I
Oceania												
Australia	RMIT University (School of Architecture and Urban Design)						○				2018	F・S・I
	Australian National University (ANU College of Engineering and Computer Science)		○	○			○				2018	F・S・I
New Zealand	The University of Auckland (Faculty of Engineering)		○	○			○				2018	F・S・I
North America												
Canada	McGill University (Faculty of Science)/ Royal Institution for the Advancement of Learning			○							2018	F・I
U.S.A.	Massachusetts Institute of Technology (Department of Mechanical Engineering)		○	○			○				1991	F・S・I
	Massachusetts Institute of Technology (Center for Advanced Nuclear Energy Systems)								○		2006	F・I
	Rice University (Richard E. Smalley Institute for Nanoscale Science & Technology)	○									2008	F・S・I
	University of California, Berkeley (Pacific Earthquake Engineering Research Center, College of Engineering)								○		2008	F・S・I
	The Pennsylvania State University (College of Earth and Mineral Sciences)			○							2009	S
	University of Wisconsin-Madison (College of Engineering)		○	○			○				2010	S
	Northwestern University (Department of Civil and Environmental Engineering)						○				2012	F・S・I
	University of California, Santa Barbara (College of Engineering)		○	○			○				2014	S
	The University of Tennessee, Knoxville (Innovative Computing Laboratory)									GSIC	2014	F・S・I
	Toyota Technological Institute at Chicago				○						2015	F・S・I
	Princeton University (Princeton Institute for Computational Science & Engineering)									GSIC	2016	F・S・I
	University of California, Berkeley (Center for Teaching and Learning, and Educational Technology Services)									CITL	2016	F・I
	State University of New York at Stony Brook (Institute for Advanced Computational Science)	○									2017	F・S・I
	Cornell University (College of Engineering, Department of Materials Science and Engineering)			○							2018	F・S・I
	The Pennsylvania State University (College of Engineering)		○	○			○				2018	F・S・I
	Georgia Institute of Technology (Center for 21st Century Universities)									CITL	2018	F・I
Europe												
Austria	TU Wien (Faculty of Mathematics and Geoinformation)	○									2014	F・S・I
Denmark	The Royal Danish Academy of Fine Arts (School of Architecture)						○				2017	F・S・I

Country or region	University / Institute (School)	Tokyo Tech Counterpart									Concluded	Type of exchange	
		Science	Engineering	Mat. and Chem. Tech.	Computing	Life Sci. and Tech.	Envir. and Society	ILA	IIR	Centers			
Europe													
France	Centre National de la Recherche Scientifique (CNRS) (Conditions Extrêmes et Matériaux : Haute Température et Irradiation (CEMHTI))								○		2008	F・S・I	
	École National des Ponts et Chaussées (Ecole des Ponts ParisTech)		○	○			○				2010	S	
	UPMC (now Sorbonne University)		○	○			○				2012	S	
	Aix-Marseille Université-CNRS (Team H2M, PIIM Laboratory)								○		2012	F・I	
	The Université Paris-Sud (The Light-Matter Federation (LUMAT))								○		2012	F・I	
	Grenoble Institute of Technology (Grenoble INP)		○	○			○				2012	F・S・I	
	Laboratoire d'Electronique et des Technologies de l' Information (Silicon Components Division, and Silicon Technologies Division) (CEA-LETI)		○	○			○				2014	F・S・I	
	The National Laboratory for Metrology and Testing (LNE)			○							2016	F・S・I	
	EMLYON Business School						○				2017	F・S・I	
	University of Nantes (Faculty of Sciences and Technology)			○							2017	F・S・I	
	ONERA			○							2018	F・S・I	
	École Polytechnique		○	○			○				2006	S	
Sorbonne University (Faculty of Sciences and Engineering)		○	○			○				2019	F・S・I		
Germany	Ludwig-Maximilians-Universität München (Human Science Center and Institute of Medical Psychology)				○						2001	F・S・I	
	RWTH Aachen University (Faculty of Mathematics, Computer Science and Natural Sciences, Faculty of Civil Engineering, Faculty of Mechanical Engineering, Faculty of Georesources and Materials Engineering, Faculty of Electrical Engineering and Information Technology)		○	○			○				2012	S	
	Hamburg University of Technology (Faculty of Management Sciences and Technology)						○				2012	F・S・I	
	RWTH Aachen University (Institute of Textile Technology )		○	○			○				2015	F・S・I	
	German Aerospace Center (DLR)			○							2016	F・S・I	
	The Helmholtz-Zentrum Dresden - Rossendorf e. V. (HZDR)								○		2018	F・S・I	
	Max Planck Institute for Polymer Research (Department of Physics at Interfaces)			○							2018	F・S・I	
Iceland	Reykjavik University (School of Computer Science)				○					2014	F・S・I		
Italy	University of Messina (Department of Engineering)								○		2013	F・I	
	University of Genoa (Polytechnic School)			○							2016	F・S・I	
	Consiglio Nazionale delle Ricerche (Institute of Condensed Matter Chemistry and Technologies for Energy)			○							2016	F・S・I	
Kazakhstan	Al-Farabi Kazakh National University (Chemistry Faculty)		○	○			○				2006	F・S・I	
	Kazakh-British Technical University (Faculty of Energy and Oil and Gas Industry)		○	○			○				2006	F・S・I	
Lithuania	Vilnius University (Life Science Center)					○					2019	F・S・I	
Netherlands	Leiden University (Faculty of Science)	○									2012	F・S・I	
	Delft University of Technology (QuTech)								○		2017	F・S・I	
Norway	NJARC: Norwegian University of Science and Technology (NTNU) (Faculty of Natural Sciences and Technology); Hydro Aluminium R&D Center; Stiftelsen SINTEF by its Institute of Materials and Chemistry; University of Toyama			○							2016	F・S・I	
Poland	Institute of Electron Technology		○	○			○				2014	F・S・I	
	University of Warsaw (Faculty of Chemistry)								○		2014	F・S・I	
	University of Warsaw (Faculty of Chemistry)			○							2016	F・S・I	
Russia	Boriskov Institute of Catalysis								○		2008	F・I	
	Lomonosov Moscow State University (Faculty of Biotechnology)					○					2018	F・S・I	
	Lomonosov Moscow State University (Faculty of Chemistry)					○					2018	F・S・I	
	Lomonosov Moscow State University (Faculty of Bioengineering and Bioinformatics)					○					2019	F・S・I	
Serbia	University of Belgrade (Vinca Institute of Nuclear Sciences)								○		2011	F・I	
Slovenia	University of Ljubljana (Faculty of Arts)		○	○			○				2007	F・S・I	

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[Type of Exchange] F: Faculty and researcher exchange, S: Student exchange, I: Academic information exchange

# International Collaboration

## Overseas Partner Universities

As of May 1, 2019

### Academic Cooperation Agreements [School-level Agreements] (133 agreements)

Country or region	University / Institute (School)	Tokyo Tech Counterpart									Concluded	Type of exchange
		Science	Engineering	Mat. and Chem. Tech.	Computing	Life Sci. and Tech.	Envir. and Society	ILA	IIR	Centers		
Europe												
Spain	The Technical University of Madrid		○	○			○				2010	F・S・I
	The Technical University of Madrid		○	○			○				2012	S
	Universitat Politècnica de València									CITL	2018	F・I
Sweden	Luleå University of Technology (Faculty of Engineering)		○	○			○				2012	F・S・I
	Jönköping University (Materials and Manufacturing, School of Engineering)			○							2016	F・S・I
	Karlstad University (Faculty of Health, Science and Technology)		○	○			○				2018	F・S・I
	Karlstad University (Faculty of Health, Science and Technology)		○	○			○				2018	S
U.K.	University of Cambridge (Department of Engineering)		○	○			○				2005	S
	University of Oxford (Department of Engineering Science)		○	○			○				2006	S
	University of Warwick (School of Engineering)		○	○			○				2007	S
	University of Oxford (Department of Chemistry)		○	○			○				2008	S
	University of Cambridge (Department of Chemistry)		○	○			○				2008	S
	University of Oxford (Department of Materials)		○	○			○				2008	S
	The University of Manchester (Photon Science Institute, and School of Chemistry)								○		2011	F・S・I
	University of Southampton		○	○			○				2011	S
	University of Glasgow (College of Science and Engineering)		○	○			○				2018	F・S・I
	The University of Manchester (Faculty of Science & Engineering)		○	○			○				2018	F・S・I
Program-/Project-based Consortium (Multi-Region)												
Asia-Oceania Top University League of Engineering (AOTULE)			○	○			○				2007	F・S・I
UT-Battelle, LLC; Swiss Federal Institute of Technology, Zurich (ETH Zurich)										GSIC	2016	F・I
MaMaSELF+ (under Erasmus Mundus)		○		○					○		2017	S
Generation IV International Forum (Collaboration on Lead-Cooled Fast Reactor Nuclear Energy System): JRC, European Commission; ROSATOM; Seoul National University; United States Department of Energy									○		2010	F・I
Integration of Pool scrubbing Research to Enhance Source-term Calculations (IPRESCA) organized by Becker Technologies GmbH									○		2018	F・S・I

Note: **Science:** School of Science, **Engineering:** School of Engineering, **Mat. and Chem. Tech.:** School of Materials and Chemical Technology, **Computing:** School of Computing, **Life Sci. and Tech.:** School of Life Science and Technology, **Envir. and Society:** School of Environment and Society, **ILA:** Institute for Liberal Arts, **IIR:** Institute of Innovative Research, **GSIC:** Global Scientific Information and Computing Center, **CITL:** Center for Innovative Teaching and Learning  
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## Tokyo Tech ANNEXes and Overseas Offices

As of May 1, 2019

### Tokyo Tech ANNEX

Name	Location / Area	Establishment
Tokyo Tech ANNEX Bangkok	Pathum Thani, Thailand	2018 (succeeds Tokyo Tech Thailand Office, est. 2002)
Tokyo Tech ANNEX Aachen	Aachen, North Rhine-Westphalia, Germany	2019

### Overseas Offices

Name	Location / Area	Establishment
Tokyo Tech Philippines Office	Manila, the Philippines	2005
Tokyo Tech China Office	Beijing, China	2006
Tokyo Tech Egypt E-JUST Office	Alexandria, Egypt	2014

# Financial Data

## Budget FY2019

### Revenue

Category	Amount (million yen)	%	Category	Amount (million yen)	%
Institute-wide	28,094	61.0	Operating grants	19,136	41.6
			Institute revenue (tuition and fees)	6,872	14.9
			Indirect expenses	2,086	4.5
Schools	1,331	2.9	Indirect expenses	1,331	2.9
Specified contributions	16,659	36.1	Commissioned projects	14,141	30.7
			Facility subsidies	244	0.5
			Operating grants	2,274	4.9
Total				46,084	100.0

Commissioned projects

○Donations for research

○Grants for commissioned research & projects

○Grants for collaborative research

○Grants for research

733

5,936

1,967

5,505

million yen

○Subsidies for functional enhancement

○Subsidies for specific reasons  
(incl. retirement allowance)

1,343

931

million yen

### Expenditure

Category	Amount (million yen)	%	Category	Amount (million yen)	%
Institute-wide	28,094	61.0	Personnel	16,820	36.5
			Fundamental education and research for Schools	8,278	18.0
			Discretionary expenses by the president	1,405	3.0
			Utility	1,591	3.5
Schools	1,331	2.9	Indirect expenses	1,331	2.9
Specified contributions	16,659	36.1	Commissioned projects	14,141	30.7
			Facilities maintenance	244	0.5
			Operating grants	2,274	4.9
Total				46,084	100.0

Commissioned projects

○Research donations

733

○Commissioned research & projects

5,936

○Collaborative research expenses

1,967

○Grants for research

5,505

million yen

○Subsidies for functional enhancement

1,343

○Subsidies for specific reasons  
(incl. retirement allowance)

931

million yen



Financial Data

Financial Summary FY2018

Balance sheet

As of March 31, 2019			
Assets	Amount (million yen)	Liabilities	Amount (million yen)
Fixed assets	206,931	Fixed liabilities	24,633
Tangible fixed assets	202,434	Assets offsetting liabilities	22,181
Land	138,965	Other noncurrent liabilities	2,451
Accumulated impairment loss	(5)	Current Liabilities	22,124
Buildings	96,422	Operating grants received	2,064
Accumulated depreciation	(52,418)	Donations received	11,498
Structures	6,598	Commissioned research funds received	913
Accumulated depreciation	(4,340)	Collaborative research funds received	1,003
Equipment	60,420	Commissioned projects funds received	113
Accumulated depreciation	(51,224)	Accounts payable	4,031
Construction in progress	93	Other current liabilities	2,500
Other tangible fixed assets	7,922	Total liabilities	46,758
Intangible fixed assets	363	Net assets	Amount (million yen)
Investments and other assets	4,133	Capital stock	179,444
Investments in securities	3,111	Government investment	179,444
Long-term deposits	1,011	Capital surplus	(3,673)
Investments and other assets	10	Capital surplus	49,311
		Accumulated depreciation not included in profit and loss statement(-)	(52,985)
Current assets	17,027	Earned surplus	1,428
Cash and cash equivalents	15,666	Surplus carried forward from the previous period for the mid-term objectives	351
Marketable securities	199	Reeves for specific purposes	520
Other current assets	1,160	Reserves	16
		Unappropriated retained earnings	540
Total assets	223,958	Total net assets	177,200
		Total liabilities and net assets	223,958

Note: Fractional amounts less than one million yen are omitted.

Income statement

April 1, 2018 - March 31, 2019	
Account	Amount (million yen)
Ordinary expenses (A)	45,855
Operating expenses	43,078
Expenses for education	3,361
Expenses for research	5,872
Expenses for education and research support	3,260
Expenses for commissioned research	6,565
Expenses for collaborative research	1,881
Expenses for commissioned projects	611
Executive salaries & remuneration	314
Faculty salaries & remuneration	13,894
Administrative staff salaries & remuneration	7,315
General and administrative expenses	2,633
Financial expenses	51
Miscellaneous losses	92
Ordinary revenues (B)	46,365
Operational grants	20,670
Tuition and fees	5,489
Grants for commissioned research	7,895
Grants for collaborative research	2,437
Grants for commissioned projects	672
Donations	1,034
Grants	2,104
Subsidy for facilities	125
Other	5,935
Extraordinary profit and loss (C)	20
Reversal of reserve for specific purposes (D)	9
Gross profit (B-A+C+D)	540

Note: Fractional amounts less than one million yen are omitted.

FY 2018 external funds

Name	Number of projects	Research funds (thousand yen)
Donations for education and research	601	977,607 (58,399)
Sponsored research	479	8,008,367 (1,360,214)
Commissioned projects	60	558,399 (11,891)
Collaborative research	696	2,644,211 (566,846)
Grants-in-Aid for Scientific Research	1,056	5,178,305 (1,144,434)
Other	46	2,236,764 (121,123)
Total	2,938	19,603,653 (3,204,508)

Note: Figures in parentheses represent overhead costs included in the research fund.

FY2018 Tokyo Tech Fund

Gifts	Total amount received (thousand yen)
3,157	472,423

Grants-in-Aid for Scientific Research FY 2018

Area of research	Number of projects	Research funds (thousand yen)
Grant-in-Aid for Specially Promoted Research	2	230,360 (53,160)
Grant-in-Aid for Scientific Research on Innovative Areas (Research in a proposed research area)	80	1,317,753 (297,038)
Grant-in-Aid for Scientific Research (S)	13	531,600 (119,490)
Grant-in-Aid for Scientific Research (A)	74	861,939 (196,629)
Grant-in-Aid for Scientific Research (B)	205	1,066,560 (242,580)
Grant-in-Aid for Scientific Research (C)	208	283,920 (65,520)
Grant-in-Aid for Challenging Exploratory Research	17	16,250 (3,750)
Challenging Research (Pioneering)	5	45,110 (10,410)
Challenging Research (Exploratory)	66	178,360 (41,160)
Grant-in-Aid for Young Scientists	55	108,680 (25,080)
Grant-in-Aid for Young Scientists (A)	29	155,150 (33,930)
Grant-in-Aid for Young Scientists (B)	95	122,265 (28,215)
Grant-in-Aid for Research Activity Start-up	14	18,480 (4,230)
Grant-in-Aid for Encouragement of Scientists	2	1,060 (0)
Grant-in-Aid for Publication of Scientific Research Results	1	1,400 (0)
Grant-in-Aid for JSPS Research Fellow	185	174,418 (8,243)
Fund for the Promotion of Joint International Research (Fostering Joint International Research (A))	1	14,950 (3,450)
Fund for the Promotion of Joint International Research (Fostering Joint International Research (B))	2	20,410 (4,710)
Fund for the Promotion of Joint International Research (International Activities Supporting Group)	2	29,640 (6,840)
Total	1,056	5,178,305 (1,144,435)

Notes: 1) Figures in parentheses represent overhead costs included in the research fund.  
2) JSPS stands for the Japan Society for the Promotion of Science.

Campuses

Access

Access

Ookayama Campus

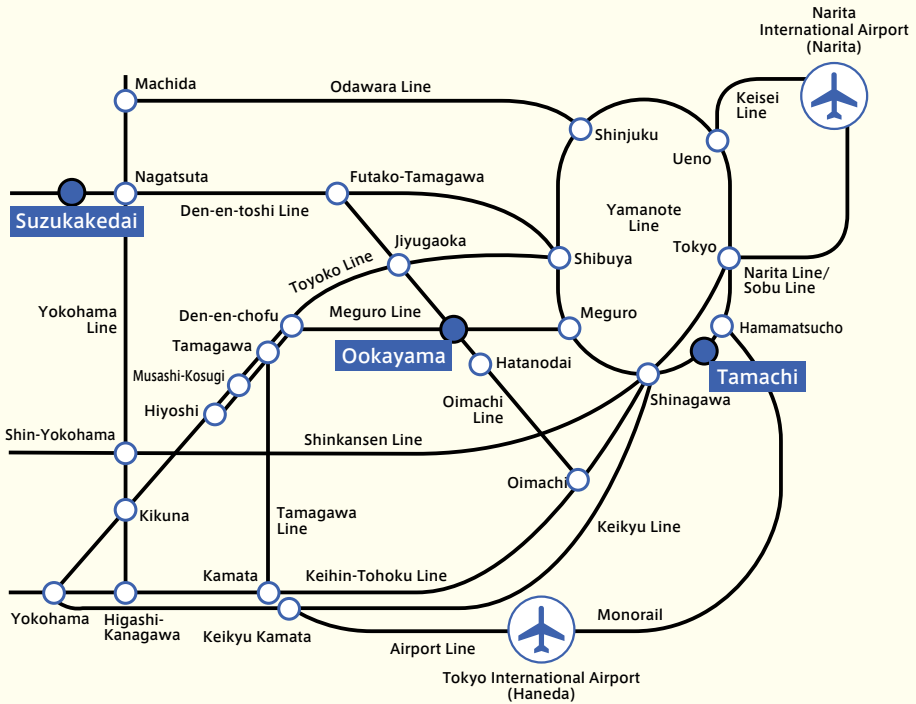
- 1-minute walk from Ookayama Station on the Tokyu Oimachi & Tokyu Meguro Lines
- 85 minutes from Narita Airport
- 55 minutes from Haneda Airport
- 30 minutes from Tokyo Station

Suzukakedai Campus

- 5-minute walk from Suzukakedai Station on the Tokyu Den-en-toshi Line
- 130 minutes from Narita Airport
- 70 minutes from Haneda Airport
- 70 minutes from Tokyo Station

Tamachi Campus

- 2-minute walk from Tamachi Station on the JR Yamanote & Keihin-Tohoku Lines
- 65 minutes from Narita Airport
- 35 minutes from Haneda Airport
- 10 minutes from Tokyo Station



Tokyo Tech Facilities

Location/Area	Facilities	Address	Transportation	Details
Ookayama	Ookayama Campus School of Science, School of Engineering, School of Materials and Chemical Technology, School of Computing, School of Life Science and Technology, School of Environment and Society, Institute for Liberal Arts, Institute of Innovative Research (Laboratory for Advanced Nuclear Energy), Administration Bureau	2-12-1 Ookayama, Meguro-ku, Tokyo 152-8550	Tokyu Oimachi & Tokyu Meguro Lines Approx. 1-minute walk from Ookayama Station	
	Tokyo Institute of Technology International House	1-1-18 Ishikawa-cho, Ota-ku, Tokyo 145-0061	Tokyu Oimachi & Tokyu Meguro Lines Approx. 13-minute walk from Ookayama Station Tokyu Ikegami Line Approx. 6-minute walk from Ishikawadai Station	
Suzukakedai	Suzukakedai Campus Institute of Innovative Research (Laboratory for Future Interdisciplinary Research of Science and Technology, Laboratory for Materials and Structures, Laboratory for Chemistry and Life Science)	4259 Nagatsuta-cho, Midori-ku, Yokohama, Kanagawa Prefecture 226-8503	Tokyu Den-en-toshi Line Approx. 5-minute walk from Suzukakedai Station	
Tamachi	Tamachi Campus Tokyo Tech High School of Science and Technology	3-3-6 Shibaura, Minato-ku, Tokyo 108-0023	JR Yamanote Line & Keihin-Tohoku Line Approx. 2-minute walk from Tamachi Station	
Matsukazedai	Shofu Gakusha Dormitory	21-13 Matsukazedai, Aoba-ku, Yokohama, Kanagawa Prefecture 227-0067	Tokyu Den-en-toshi Line Approx. 10-minute walk from Aobadai Station	
Umegaoka	Umegaoka Dormitory	17-2 Umegaoka, Aoba-ku, Yokohama, Kanagawa Prefecture 227-0052	Tokyu Den-en-toshi Line Approx. 15-minute walk from Fujigaoka Station	
Toda	Toda Boat House	1-55 Toda-Koen, Toda-shi, Saitama Prefecture 335-0024	From Toda Koen Station on the JR Saikyo Line Approx. 15-minute walk	Capacity 30 persons
Enzan	Yanagisawa-Toge Mountain Hut	2319-1 Aza-Namezawa, Oaza-Oyashiki, Enzan, Koshu-shi, Yamanashi Prefecture 402-0211	From Enzan Station on JR Chuo Line Approx. 20 km	Capacity 40 persons
Kusatsu	Kusatsu-Shirane Volcano Observatory	641-36 Kusatsu, Kusatsu-cho, Agatsuma-gun, Gunma Prefecture 377-1711	From Naganohara Kusatsuguchi Station on the JR Agatsuma Line Approx. 30-minute walk from Kusatsu Onsen Station on JR Bus	

Campus Map

Ookayama Campus



Ishikawadai Area

- 1 Ishikawadai Bldg. 1
- 2 Ishikawadai Bldg. 2
- 3 Ishikawadai Bldg. 3
- 4 Ishikawadai Bldg. 4

- 5 Ishikawadai Bldg. 5
- 6 Ishikawadai Bldg. 6
- 7 Ishikawadai Bldg. 7 (ELSI-1)
- 8 Ishikawadai Bldg. 8 (ELSI-2)

- 9 Ishikawadai Bldg. 9
- 10 Ishikawadai Lab Bldg. 1
- 11 International House

Ookayama South Area

- 1 South Bldg. 1
- 2 South Bldg. 2
- 3 South Bldg. 3
- 4 South Bldg. 4
- 5 South Bldg. 5
- 6 South Bldg. 6

- 7 South Bldg. 7
- 8 South Bldg. 8
- 9 South Bldg. 9
- 10 South Lecture Bldg.
- 11 South Lab Bldg. 1
- 12 South Lab Bldg. 2

- 13 South Lab Bldg. 3
- 14 South Lab Bldg. 4
- 15 South Lab Bldg. 5

Ookayama West Area

- 1 West Bldg. 1
- 2 West Bldg. 2
- 3 West Bldg. 3
- 4 West Bldg. 4
- 5 West Lecture Bldg. 1 (Lecture Theatre)
- 6 West Lecture Bldg. 2

- 7 West Bldg. 7
- 8 West Bldg. 8W
- 9 West Bldg. 8E
- 10 West Bldg. 9
- 11 Environmental Safety Management Bldg.
- 12 70th Anniversary Auditorium

- 13 Sports Center
- 14 Student Hall & Cafeteria
- 15 Extracurricular Bldg. 1
- 16 Extracurricular Bldg. 2
- 17 Extracurricular Bldg. 3
- 18 Extracurricular Bldg. 4

Ookayama East Area

- 1 Main Bldg.
- 2 Main Bldg. Lecture Halls
- 3 Administration Bureau Bldgs. 1&2
- 4 Administration Bureau Bldg. 3

- 5 Administration Bureau Bldgs. 4
- 6 Administration Bureau Bldgs. 5
- 7 Global Scientific Information and Computing Center

- 8 Institute Library
- 9 Centennial Hall
- 10 East Bldg. 1
- 11 East Bldg. 2

Ookayama North Area

- 1 North Bldg. 1
- 2 North Bldg. 2
- 3 North Bldg. 3
- 4 North Lab Bldg. 1
- 5 North Lab Bldg. 2A
- 6 North Lab Bldg. 2B

- 7 North Lab Bldg. 3A
- 8 North Lab Bldg. 3B
- 9 North Lab Bldg. 4
- 10 North Lab Bldg. 5
- 11 North Lab Bldg. 6
- 12 North Lab Bldg. 7

- 13 North Lab Bldg. 8
- 14 Health Support Center
- 15 80th Anniversary Hall
- 16 Extracurricular Bldg. 5
- 17 Extracurricular Bldg. 6
- 18 Tokyo Tech Front

Midorigaoka Area

- 1 Midorigaoka Bldg. 1
- 2 Midorigaoka Bldg. 2
- 3 Midorigaoka Bldg. 3

- 4 Midorigaoka Bldg. 4
- 5 Midorigaoka Bldg. 5
- 6 Midorigaoka Bldg. 6

- 7 Midorigaoka Lecture Bldg.
- 8 Midorigaoka House



## Campus Map

### Suzukakedai Campus



#### B-Area

- 1 B1-B2 Bldg.
- 2 B1-B2 Annex A
- 3 B1-B2 Annex B
- 4 B1-B2 Annex C

#### S-Area

- 1 S1 Bldg.
- 2 S2 Bldg.
- 3 S3 Bldg. (Suzukakedai Library)
- 4 S4 Bldg.
- 5 S5 Bldg.
- 6 S6 Bldg.
- 7 S7 Bldg.
- 8 S8 Bldg.

#### R-Area

- 1 R1 Bldg.
- 2 R1 Annex A
- 3 R1 Annex B
- 4 R2 Bldg.
- 5 R2 Annex A
- 6 R2 Annex B
- 7 R2 Annex C
- 8 R2 Annex D
- 9 R2 Annex E
- 10 R3 Bldg.
- 11 R3 Annex A
- 12 R3 Annex B
- 13 R3 Annex C
- 14 R3 Annex D

#### G-Area

- 1 G1 Bldg.
- 2 G2 Bldg.
- 3 G3 Bldg.
- 4 G4 Bldg.
- 5 G4 Annex A
- 6 G5 Bldg.

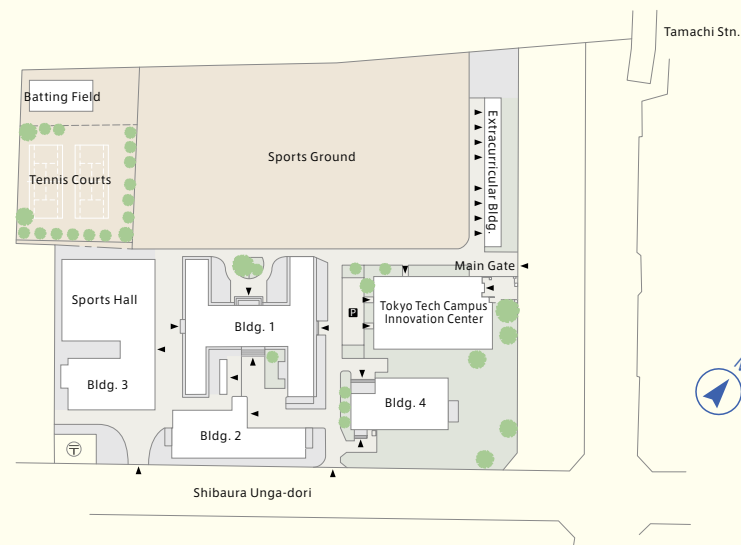
#### H-Area

- 1 H1 & H2 Bldgs.

#### J-Area

- 1 J1 Bldg.
- 2 J2-J3 Bldg.

### Tamachi Campus



## Seal of Tokyo Institute of Technology

The seal of Tokyo Institute of Technology was designed in 1948 by Mr. Shinji Hori, a professor at the Tokyo Fine Arts School at the time. The backdrop forms the Japanese character (工) which is the first character of "engineering" (工業), and also depicts the concept of a window, which is the second character of "school" (学窓). The central figure 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 Institute ever since. In 1981, at the Institute'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 Professor Seichi Tejima, kindly cooperated in refining the design.