

ENGLISH GUIDE BOOK

TOKYO
UNIVERSITY OF
AGRICULTURE &
TECHNOLOGY

2020-2021

Message from the President

What the world is demanding today is a truly sustainable society. Tokyo University of Agriculture and Technology is developing students who can solve this problem in the future through the opportunities for education and research we offer in the fields of agriculture and engineering, and the fusion of these two disciplines.



CHIBA, Kazuhiro

President
**Tokyo University of Agriculture
and Technology**

Dr. Chiba was born in Tokyo. After completing his master's degree in Graduate School of Agriculture, Tokyo University of Agriculture and Technology (TUAT), President Chiba completed his doctoral degree in United Graduate School of Agricultural Science, TUAT. He worked as a researcher for a private company, then in 1990 he became an assistant professor at TUAT, and he was promoted to professor in 2004. After becoming Vice President for Innovation in 2014 and Dean of Faculty of Agriculture in 2017, he became President of the University in 2020.

Come and pursue the research experience

Tokyo University of Agriculture and Technology is the only national university in Japan that consists of Faculties of Agriculture and Engineering. Agricultural science is a field that contributes to the future by exploring the connections between people and the rest of the natural world. Engineering science, on the other hand, creates a new world in which technology enriches people's lives. I am convinced that the fusion of agricultural and engineering sciences will result in expanding knowledge and contribute to many fields in coming generations. When we bring together human understanding of the 4.5 billion years of the earth's natural history and examine those findings with the latest technology, developed by industrial manufacturing and AI, we inhabitants of this planet will understand what we should do next.

The quest for scientific advances and new technology based on broad perspectives and flexible ideas is critical to this challenge to the future. For

Mission

To take on the challenges towards the "realization of a Sustainable Society", by contributing to the progress of science and technology in harmony with world peace, society and the natural environment and by striving to create new knowledge and to foster human resources capable of solving problems and implementing solutions through free-minded education and research in agriculture, engineering and integrated areas.

Education

As a science and technology university centered in graduate education, we cultivate researchers, technicians and high-level specialists with sophisticated thinking, high ethical standards and broad international perception, who possess leadership and a rich sense of humanity and will contribute to a coexistence society.

Research

To promote the creation of new and remarkable knowledge through the pursuance of a "mission-oriented research", from basic to applied research in the areas of agriculture, engineering and integrated areas, which support the core of human society; and, to serve as a "science and technology hub" for the development of a sustainable society in which humans and the environment can coexist.

that only you can perform and real freedom!

example, when we think about the world's food problems, we see that efforts to simply increase food production will not result in essential solutions. Yes, we need deep understanding of the principles of nature, but we also must have the wisdom to tackle questions like "What does it mean to be a human being?" and "What is true human happiness?" Therefore, Tokyo University of Agriculture and Technology is working hard to clarify a goal of broad understanding, beyond narrow bounds of science and technology in order to truly educate the next generation of researchers and engineers.

Research activities that transcend existing domains lead to the search for truth that is essential to life as a free person. Serious study and research are part of "the challenge to live a free life". Knowing yourself, knowing the world, broadening your horizons, and being confident in your capabilities

will set you free to live a meaningful life. Opening the door to research into the unknown takes a lot of courage. But those who have acquired a wide range of knowledge as well as important skills have the freedom to act upon their courageous decisions. Only when serious researchers open this door to the unknown can innovations that change the world come into existence.

The aim of this University is to provide courses of study and opportunities for research that ignite our students' creativity. I want you to discover your unknown talents in this place where world-class agricultural and engineering knowledge come together. And with the freedom you gain, you will soar into your place in this global society.

In 2024, Tokyo University of Agriculture and Technology will celebrate its 150th anniversary. And your free creativity will support this university for the next 150 years!

TUAT HISTORY

1874	Naito-Shinjuku Branch Office, Industrial Encouragement Department, Ministry of Home Affairs Agricultural Training Institute Silkworm Diseases Experiment Section	1989	Graduate School of Engineering (PhD Courses)
1949	Tokyo University of Agriculture and Technology (Faculty of Agriculture and Faculty of Textile)	1995	Graduate School of Bio-Applications and Systems Engineering (MSc and PhD)
1962	Faculty of Textile → Faculty of Engineering	2004	National University Corporation Tokyo University of Agriculture and Technology
1965	Graduate School of Agriculture (Master's Courses)	2006	Institute of Symbiotic Science and Technology
1966	Graduate School of Engineering (Master's Courses)	2010	Institute of Agriculture Institute of Engineering
1985	United Graduate School of Agricultural Science (PhD Courses)	2014	140th Anniversary
		2016	Institute of Global Innovation Research

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Education Programs at

Graduate School of Agriculture

Doctoral Program (4 years)

- Cooperative Division of Veterinary Sciences

United Graduate School of Agricultural Science

Doctoral Program (3 years)

- Department of Biological Production Science
- Department of Applied Life Science
- Department of Symbiotic Science of Environment and Natural Resources
- Department of Agricultural and Environmental Engineering
- Department of Science on Agricultural Economy and Symbiotic Society

Graduate and

Doctoral Program (3 years)

- Department of Bio-Functions and Systems Science

Faculty of Agriculture

Undergraduate Program (6 years)

- Cooperative Department of Veterinary Medicine

Graduate School of Agriculture

Master's Program (2 years) Department of Agriculture

- Agricultural Production Sciences Course
- Applied Biological Chemistry Course
- Environmental Science and Natural Resources Course
- Agricultural Engineering and Agro-Food Informatics Course
- Sustainable Society Course
- International Innovative Agricultural Science Course

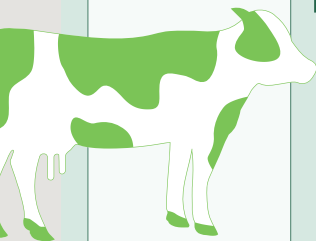
Master's Program (2 years)

- Department of Bio-Functions and Systems Science

Faculty of Agriculture

Undergraduate Program (4 years)

- Department of Biological Production
- Department of Applied Biological Science
- Department of Environmental and Natural Resource Sciences
- Department of Ecoregion Science



School of Bio-Applications Systems Engineering

Integrated Doctoral Program (5 years)

- Department of Food and Energy Systems Science

Doctoral Program (3 years)

- Cooperative Major in Advanced Health Science

Graduate School of Engineering

Doctoral Program (3 years)

- Department of Biotechnology and Life Science
- Department of Applied Chemistry
- Department of Mechanical Systems Engineering
- Department of Electronic and Information Engineering

Joint Doctoral Program (3 years)

- Joint Doctoral Program for Sustainability Research

Master's Program (2 years)

- Department of Biotechnology and Life Science
- Department of Applied Chemistry
- Department of Mechanical Systems Engineering
- Department of Applied Physics
- Department of Electrical and Electronic Engineering
- Department of Computer and Information Sciences

Professional Degree Program (2 years)

- Department of Industrial Technology and Innovation

Faculty of Engineering

Undergraduate Program (4 years)

- Department of Biotechnology and Life Science
- Department of Biomedical Engineering
- Department of Applied Chemistry
- Department of Applied Physics and Chemical Engineering
- Department of Mechanical Systems Engineering
- Department of Electrical Engineering and Computer Science



Faculty of **AGRICULTURE**

**In May
2019**
320 graduated
1,383 enrolled



Comprised of five departments, the Faculty of Agriculture aims to contribute to solving various problems in the fields of agricultural science, life science, environmental science and veterinary medicine as well as establishing a sustainable society. We cultivate pioneered students who can acquire a broad knowledge base along with fundamental knowledge in specific academic fields; who are equipped with sophisticated thinking, high ethical standards and a global mindset; who can build a symbiotic society to contribute to mankind.

Admission Policy

The Faculty of Agriculture seeks individuals who are interested in various challenges related to food, life, resources and environment in both local and international society and self-motivated to use the knowledge they acquire, as well as able to help address these challenges by co-operating and collaborating with others.

Purpose and Characteristics of Learning

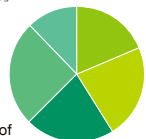
To contribute to resolving challenges in the fields of agricultural science, life science, environmental science and veterinary medicine as well as establishing a sustainable society, the Faculty of Agriculture aims to cultivate talented individuals who can acquire a broad knowledge base along with expertise in specialised fields and improve their intellectual and moral capacity and application skills.

FIVE Departments

- Biological Production
- Applied Biological Science
- Environmental and Natural Resource Sciences
- Ecoregion Science
- Cooperative Department of Veterinary Medicine

Number of Students (first-year students only)

- Biological Production [60]
- Applied Biological Science [72]
- Environmental and Natural Resource Sciences [68]
- Ecoregion Science [81]
- Cooperative Department of Veterinary Medicine [39]





We take a multidimensional approach to the study of agriculture and take part in the future of “food” which supports humanity. Agricultural production plays a vital role in the conservation of the environment, and in the near future it is expected to become an important source of renewable energy, Biomass Energy.



OUR AIMS

To foster human resources who possess broad and deep understanding of agriculture in Japan and in the world within a wide range of academic fields related to “agricultural activities” that connects people and nature through the production to consumption of agricultural products, as well as knowledge of the state-of-the-art science and technology

related to agriculture. We also seek those who can utilize their knowledge for the sustainable development of domestic/overseas agriculture, for the distribution, processing and consumption of agricultural goods, and for other multi-faceted functions of agriculture.



RESEARCH AREAS

Agricultural Production Technology and Environment	Agricultural Production Technology / Soil Science / Plant Nutrition
Plant Production	Horticultural Science / Plant Ecophysiology / Plant Breeding / International Agrobiological Resource Science / Genome and Cell Biotechnology
Animal Production	Animal Science / Animal Biochemistry / Insect Functional Biochemistry / Sericultural Science
Farm Management and Agricultural Economics	Agricultural Economics / Farm Management / Agricultural Marketing / International Development on Rural Areas

LAB ZOOM IN



Associate Professor
MOTOYASHI, Takashi

Elucidating the effects of pesticides on aquatic insects and developing production technologies in harmony with the environment

How can various insecticide non-target insects in the field be protected from the effects of insecticides? We conduct research in the field of “Applied Entomology”. Commonly used insecticides can also negatively affect non-pests and even beneficial insects. Therefore, it is necessary to study the compositions, concentrations, and modes of use of pesticides that are intended to maintain crop productivity, in order to also assure maintenance of the diversity of various organisms that ordinarily live in the field. Field research often does not go as expected. This is a challenge we face as we pursue our goal of developing environmentally friendly production technologies.



Building on chemistry and biology as basis, by elucidating and adapting a series of phenomena from molecules to cells and the interaction between them, we conduct research aimed at elucidating the unknown possibilities of “life”, and contributing to the development of life sciences beneficial to mankind.



OUR AIMS

To deeply explore and understand the vital functions of microorganisms, animals, plants and other organisms on the foundations of chemistry and biology. Biotechnology is to apply the bioscience outcomes in advanced production and utilization of substances useful to the daily life such as food,

pharmaceuticals, pesticides and so on. We are training human resources who will be active in the fields of bioscience and biotechnology to contribute to human development.



RESEARCH AREAS

Molecular Life Chemistry	Biological Chemistry / Gene Function and Regulation / Applied Microbiology and Biochemistry / Plant Technology / Gene Technology
Biofunctional and Biomaterial Chemistry	Bioregulation Chemistry / Chemical Ecology / Bioorganic Chemistry / Food Chemistry / Nutritional Physicochemistry / Applied Protein Chemistry / Metabolic Functions and Control / Applied Plant Biochemistry
Bioregulation and Biointeraction	Plant Pathology / Applied Entomology / Biological Control / Molecular Biointeraction / Molecular Environmental Biology / Molecular and Cellular Biology

LAB ZOOM IN



Associate Professor
SUZUKI, Takeshi

Reading and understanding genomic information and using biological techniques to increase crop production

We are using insects and ticks as our basic research subjects. They are a treasure trove of diversity and allow us to study multiple themes, from the control of agricultural pests to basic research in environmental biology. For example, spider mites (*tetranychus urticae*) are extremely resistant to pesticides; the effectiveness of new pesticides against this type of mite decreases over the next few years after they are released. Therefore, we are focusing on the possibility of using a biological phenomenon called RNA interference against them. Using this phenomenon, we hope to develop next-generation pesticides that incorporate biological techniques and are different from conventional synthetic pesticides. We hope to contribute to increasing crop production by combining agricultural and advanced biological technologies.



Students will interdisciplinarily learn global issues related to the environment and resources, based on the fundamentals of biology, chemistry, physics, and geoscience, etc.. We will promote “sustainable development” through researches on the environment surrounding our lives, from micro to global scales.



OUR AIMS

Environmental issues are a major challenge for mankind. Our prosperity, which has been supported by mass production, mass consumption, and mass disposal relying on limited fossil fuels, is facing at a turning point at this beginning of the 21st century. While pushing forward the science for mankind

to live in harmony with the Earth, and acquiring the science's background, we are developing human resources who contribute to the solution of the environmental problems.



RESEARCH AREAS

Environmental and Natural Resource Sciences

Environmental Material Science /
Environmental Pollution Analysis /
Biosphere Dynamics Analysis /
Environmental Remediation /
Plant and Environmental Science /
Living Environment / Biomass and Recycle

LAB ZOOM IN



Professor
WATANABE, Izumi

Monitoring harmful contaminants around us: analyzing the effects to their ecosystem through objective data

We are studying the environmental impact of harmful contaminants. Our main research targets are heavy metals and trace elements such as mercury, cadmium, lead, arsenic and radioactive cesium. We examine what effects they have on human health and various ecosystems, which include the atmosphere, water, soil, and wildlife. The data is collected using advanced analytical equipment. In fact, harmful contaminants are concerns that exist nearby, including the Fukushima nuclear crisis and the Toyosu Market groundwater pollution. We encourage you to join our lab and develop an objective eye for environmental crisis.



Considering forests, rural towns and urban areas which share a common space as one continuing “region”, we will expand into new research and education focused on ecosystems, production and societies spread in each of these different regions. We strive to design regional environmental spaces where natural environment and production activities of human society can coexist.



OUR AIMS

We focus on thinking of: ways that society can solve the issues of conservation, management and utilization of ecosystems and resources; new roles for wildlife, natural vegetation, forests, green spaces, farmlands and cultures of agroforestry and farming mountain villages; and man-nature

harmony, all from a local to global scale. Our aim is to develop engaged human resources capable of studying the problems from the actual field and working out solutions from a bottom-up approach.



RESEARCH AREAS

Ecosystem Conservation	Landscape Ecology / Wildlife Conservation / Vegetation Management / Health Amenity Science
Forest Science	Forest Pedology / Forest Ecology / Forest Life Conservation / Forest Hydrology / Forest Environmental Engineering / Forest-Human Sciences / Forest Planning / Forest Engineering / Forest Resource Management / Mountain Conservation Engineering
Agricultural and Environmental Engineering	Water Utilization / Environmental Systems / Agro-Environment Control / Environmental Soil Physics and Engineering / Farmland Production Systems / Energy Utilization / Rural Planning / Phytotechnology / Agricultural Information Engineering / Water Resource Planning / Geoinformatics
Studies in Sustainable and Symbiotic Society	Environmental Philosophy / Rural Sociology / Comparative Psychology / Cultural History of Environment / Public Law for Environment / International Relations / Environmental Informatics / Environmental Education / Theory of Symbiotic Society

LAB ZOOM IN



Associate Professor
SHIRAKI, Katsushige

Focusing on rainfalls in mountains and quantifying conditions for sound mountains

Our research mainly focuses on water circulation in forests. From the perspective of how rainwater moves on soil and affects landsliding, we study how to create sound forests. And to prevent landslide disasters are also our goals by coordinating with the forestry industry activities. To that end, we visit mountains at least once every two weeks for fieldwork, including measuring rainfall amount and the light environment in forests. Many graduated students get jobs of governmental ministries and companies related to natural environment. I think it is good experience for students to know actual forest conditions through their research works in the university.



Through the improvement of the health and welfare of companion animals and protection of wild animals, we are deeply engaged in enriching people's health and spirit and also their living environment. We are contributing to the advancement of life science through the research into the treatment and prevention of animal diseases.



OUR AIMS

Through close educational cooperation with Iwate University, our department was reorganized in 2002 as the Cooperative Department of Veterinary Medicine, a hub for veterinary medicine in Eastern Japan. Currently there are "Animal Medical Center" and "Research and Education Center for Prevention of Global Infectious Diseases of Animals" at UAT,

"Iwate University Veterinary Teaching Hospital" and "Food Animal Medicine & Food Safety Research Center" at Iwate University. We aim to nurture veterinarians in the areas of livestock hygiene and public hygiene and to acquire advanced technologies in veterinary medicine.



RESEARCH AREAS

Basic Veterinary Science	Veterinary Anatomy / Veterinary Physiology / Veterinary Ethology / Veterinary Pharmacology
Pathogenetic Veterinary Science	Veterinary Pathology / Veterinary Microbiology / Veterinary Infectious Diseases
Applied Veterinary Science	Veterinary Toxicology / Animal Health / Veterinary Public Health
Clinical Veterinary Science	Veterinary Internal Medicine / Veterinary Molecular Pathology and Therapeutics / Veterinary Surgery / Veterinary Diagnostic Imaging / Veterinary Reproduction / Veterinary Clinical Oncology / Comparative Animal Medicine

LAB ZOOM IN



Senior Assistant Professor
IDE, Kaori

Our studies focus on providing answers back to bedside: Currently trying to reveal unknown pathophysiology of chronic enteropathy in dogs

One of our research target is gastrointestinal inflammation in dogs. There are some populations of cases that do not respond well to standard therapies. If novel pathophysiology could be found, then it may lead to customized treatments based on the characteristics of each case. Since internal medicine covers broad spectrum of health problems, we concurrently work on various questions, not limiting to gastroenterology, that rise from daily clinical works at veterinary teaching hospital.



Faculty of **ENGINEERING**

In
May 2019

588 graduated
2,412 enrolled



The Faculty of Engineering, comprised of six departments, provides a curriculum that allows students to study multiple fields centering on three areas of expertise: **Bio/Medical related, Energy/Environment/Material related, and Mobility/Robotics/Computing/AI related.** In this environment, students can challenge themselves with research in interdisciplinary and integrated fields of Engineering which are established to reflect today's societal needs.

Admission Policy

The Faculty of Engineering seeks individuals who are eager to study the truths of nature with a mind in manufacturing and craftsmanship; and interested in scientific techniques of the fields of Science and Technology. The Faculty also seeks individuals who are self-motivated to use the knowledge they acquire while co-operating and collaborating with others to contribute to creating a sustainable society.

Purpose and Characteristics of Learning

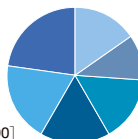
The Faculty of Engineering provides an education in the fundamentals as well as expert knowledge and techniques regarding science and technology in the field of engineering. Students will also be able to develop their logical thinking, expressivity, acceptance of diversity, and collaboration competence to harness their knowledge and expertise. We aim to cultivate human resources not only who possess the specialized knowledge and skills required for living an independent life, but also who take a multidimensional approach to various challenges for mankind and cooperate with others for problem-solving.

SIX Departments

- Biotechnology and Life Science
- Biomedical Engineering
- Applied Chemistry
- Applied Physics and Chemical Engineering
- Mechanical Systems Engineering
- Electrical Engineering and Computer Science

Number of Students (first-year students only)

- Biotechnology and Life Science [84]
- Biomedical Engineering [58]
- Applied Chemistry [85]
- Applied Physics and Chemical Engineering [90]
- Mechanical Systems Engineering [103]
- Electrical Engineering and Computer Science [122]





Performing world-level advanced research on Life Science, integrated with the fields of natural science, life sciences, engineering, etc., TUAT is the first university in Japan to have a Department of Biotechnology and Life Science. We strive to understand the mechanisms of life phenomena and to apply this knowledge for the benefit of our daily lives.



OUR AIMS

To encompass all life-related scientific technology, we are engaged in a wide variety of academic fields. We are training global engineers and researchers who will comprehend the basic knowledge and cutting-edge technologies in these

fields; equipped with logical thinking skills, executive ability, and international communication skills. We are also training engaged human resources who will respond promptly to the needs of biotechnology and life science fields.



RESEARCH AREAS

Functional Bioengineering	Cell Engineering / Biomolecular and Structural Informatics / Structure and Cellular Function of Biomolecules / Molecular Biology and Pathophysiology / Plant Biotechnology / BioBusiness / Nanobiotechnology
Applied Bioengineering	Biomolecular Engineering / Marine Biotechnology / Bioelectronics / Molecular Biology / Bioorganic Chemistry / Biosociety Engineering

LAB ZOOM IN



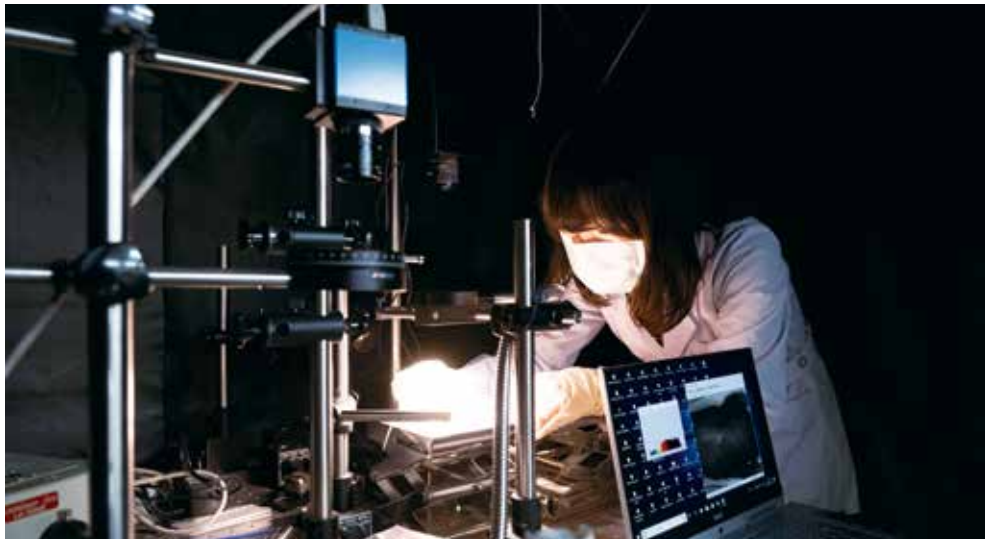
Associate Professor
SHINOHARA, Kyosuke

Elucidating the functions of the "cilia" that support the health of living organisms and thus contributing to the development of treatments for bronchitis and infertility

Our research focuses on fine hairs on the surface of living cells called "cilia". Cilia play a role in enhancing the flow of water in the body and are extremely important for the maintenance of human health. Dysfunction of cilia can result in such symptoms as bronchitis and infertility. In our lab, we examine closely the proteins that make up cilia and the functions of related genes, using mice as subjects. Researchers have not found fundamental cures for diseases caused by malfunctioning cilia. We hope to contribute to the development of new treatments through our research in this area.



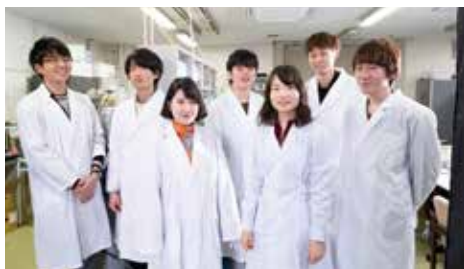
Through comprehensive learning on integration of physics, electronic information engineering, and so on, necessary for measurement and diagnostic technologies in the modern medical care; we are fostering human resources who will carry out research and development on innovative biomedical engineering technologies, while adopting their flexible thinking not restricted to conventional academic disciplines.



OUR AIMS

By understanding various biological functions at the cellular, genetic, molecular and atomic levels, we create innovative measurement and analysis technologies that contribute to medical care. We are also training researchers and engineers

to be global pioneers through researches aiming at seeds application in engineering, reflecting the needs of medical diagnosis in medical practice.



RESEARCH AREAS

Biomedical Engineering

Biological Information Measurement System /
Biomedical Photonics / Biomedical Optics /
Semiconductor Quantum Science /
Biophysics / Optoelectronics

LAB ZOOM IN



Associate Professor
NISHIDATE, Izumi

Measuring biological information using light to improve diagnostic and treatment technologies without placing undue burdens on the body

We are using light to search for diagnostic and therapeutic technologies that do not interfere with the functioning of the body. For example, invasive methods such as taking blood samples and biopsies are commonly used to diagnose diseases. However, in our lab, we project light onto the body and analyze the wavelength characteristics of the reflected light. Using this diagnostic method, we are trying to infer various biological information and use this to diagnose diseases. In addition, by applying the use of light in this way, it is possible to examine the flow of blood to organs, the supply of oxygen to tissues, and the activities of cells in a non-contact manner during surgery. This research theme is ideal for anyone who wants to contribute to positive developments in healthcare from a technical perspective.



Chemistry is a field in which we understand the structure and function of substances and create new substances. In this department, we explore the world of chemical substances from atoms to polymers. We nurture human resources equipped with originality and application skills useful in various fields.



OUR AIMS

Topics of our study, experiment, and research include structures and functions of a wide range of chemical substances, from atoms to molecules. Our curriculum covers from fundamental courses on organic chemistry, inorganic chemistry, physical chemistry, and polymer chemistry to applied courses on semi-conductive materials chemistry, energy chemistry, catalytic chemistry, biomaterials chemistry,

and polymer physics. Learning from the fundamentals to applications of chemistry and materials science, students will strengthen their research and development skills applicable to various fields of chemistry and materials science, as well as interdisciplinary/integrated fields of chemistry with environment, food, and medicine.



RESEARCH AREAS

Applied Chemistry

Molecular Transformation /
Optoelectronic Materials Chemistry /
Molecular Design / Inorganic Solid State Chemistry /
Energy Chemistry and Electrochemistry /
Molecular Catalysis Chemistry /
Polymer Physical Chemistry /
Organic Polymeric Materials Chemistry /
Organic Solid State Chemistry /
Polymeric Biomaterials /
Supramolecular / Molecular Structure Materials

LAB ZOOM IN



Professor

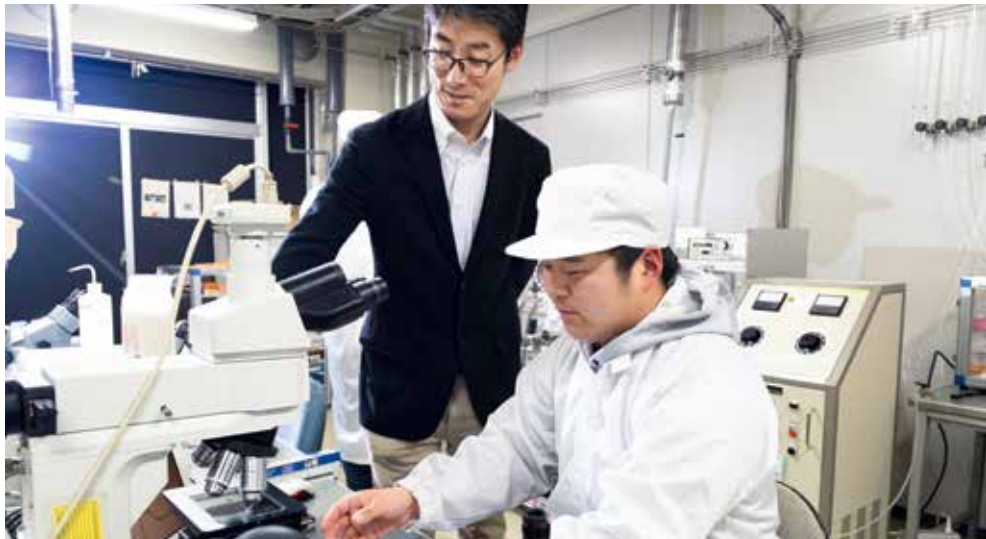
MURAKAMI, Yoshihiko

Making contributions to medicine through the power of chemistry: Let's develop biomaterials!

Our lab is engaged in developing new biomaterials (medical materials) that can contribute to future medicine, including tissue-adhesive gels and sheets that release drugs and particles that deliver drugs through oral and pulmonary administrations. Biomaterials can serve countless patients simultaneously in the world, whereas doctors can only deal with a limited number of patients. Students with an interest in these fascinating biomaterials are encouraged to join us.



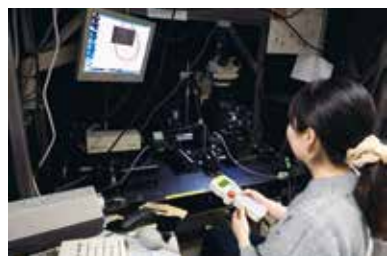
We have developed a curriculum to provide educations covering in the scientific fields of energy, new materials, and environment by a variety of experts in chemical engineering, applied physics, electronic engineering, and mechanical engineering. We are guiding and training ingenious technicians with problem-solving skills for global issues and developing new industries.



OUR AIMS

To improve problem-solving skills for global issues and developing new industries, one needs to understand both of chemistry and physics comprehensively. We nurture solid engineers challenging global issues with high social demands, for example, development of high-efficiency and

low-environmental-impact devices for energy conversion with new materials. We welcome you to this unique department established in Japan so as to respond social needs for chemistry-physics fusion.



RESEARCH AREAS

Applied Physics and Chemical Engineering

Chemical Engineering / Applied Physics / Chemical Energy Engineering / Environmental Bio-Engineering / Chemical Reaction Engineering / Separation Engineering / Materials Engineering / Heterointerfaces Engineering / Process Systems Engineering / Quantum Functions / Fundamental Electronics / Integrated Electronic Functions Engineering / Quantum Processes / Quantum Optics / Energy System Engineering

LAB ZOOM IN



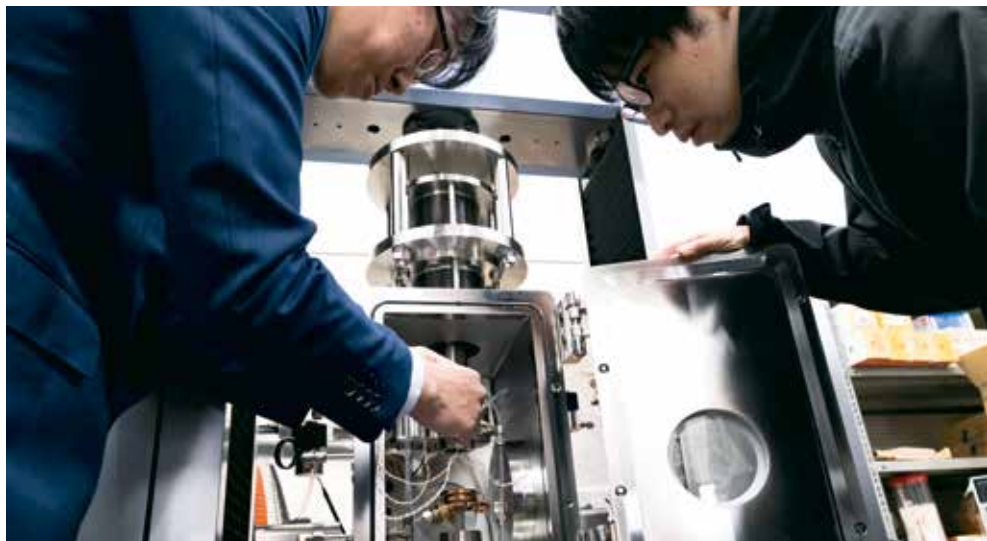
Associate Professor
SHIMIZU, Hiromasa

Creating a new industry using optical signal processing technology that combines advanced knowledge of chemistry and physics

Light is a kind of electromagnetic waves and capable of transmitting information with large capacity. We are aiming at developing new optical information signal processing circuits and highly sensitive bio-sensors and gas sensors by controlling light in semiconductor / glass / metal. Propagating light intensity changes with external forces and change of environmental conditions. This characteristic of light is applied in currently used in highly sensitive sensors that can measure concentrations of gas in the atmosphere and slight changes in the components contained in exhaled air. Our laboratory's goal is to create a new and transformative industry that can be applied to achieve such diverse goals as the early detection of cancer and reliable food hygiene control.



We conduct experiments and practical training using state-of-the-art machine tools, and our curriculum covers a wide range of fields from hardware to software. Through our researches, we create a hyper machine that transcends time, in harmony with the environment.



OUR AIMS

Centered on three axes: smart mobility, digital manufacturing, and robotics/nanomechanics, our department covers the wide diversity of the fields of mechanical engineering. As a student you will learn comprehensively the fundamental knowledge of dynamics, control, numerical analysis, programming, materials, design, processing, precision measurements,

electronic engineering, among others. Two courses, "Aerospace and Mechanical Science" and "Robotics and Intelligent Machine Design" will help you build the foundation to become a mechanical engineer, and broaden and deepen your speciality areas.



RESEARCH AREAS

Mechanical Systems Engineering

Energy Systems Analysis / Hydrodynamics / Materials Science for Mechanical Engineering / Material Mechanics / Elasto-Plastic Analysis / Machine Element Analysis / Design of Mechanical Systems / Design of Thermal-Fluid Systems / Vehicle System Engineering / Precision Measurement Engineering / Control Systems / Mechanical and Electronic Engineering / Production Systems Engineering / Geometric Mechanical Engineering / Algebraic Mechanical Engineering / Mechano-Photonics / Mechano-Business / Aerospace Engineering

LAB ZOOM IN



Associate Professor
YAMANAKA, Akinori

Elucidating the microstructure of metals using numerical simulations

We are working on basic research to improve the mechanical properties of various materials and create metals that can be quite thin or fine while still retaining great strength. Specifically, we apply a mathematical method called the "phase field method" or the "homogenized finite element method" to predict how the internal structure of a material forms and how this relates to its mechanical properties. We are able to use mathematical formulas to express the phenomena occurring inside the material, and create programs to calculate them. We hope to achieve an unprecedented materials design method that leads to the technological development of the lightweight and very strong metal materials required by the next generation.



In the department of Electrical Engineering and Computer Science, the students can acquire fundamental knowledge of Electrical and Electronics Engineering for building hardware and software systems as well as information technology including computer architecture, programming and others. They can also learn advanced data processing and artificial intelligence technologies.



OUR AIMS

The department conducts education and research activities for creating intelligent information systems that are intuitive and user friendly to provide the foundation of the next generation of Information Society. From these activities, we aim to create

advanced and innovative IT technologies and foster human resources to face the challenges of the modern society.



RESEARCH AREAS

Mathematical Information Engineering

System Software / Network / Security / Pattern Recognition / Artificial Intelligence (AI) / Robotics / Computer Graphics (CG)-VR / Human Interface / Computer Architecture / Algorithmics

Electrical Information Engineering

Measurement and Control Engineering / Signal Processing / Imaging Technology / Telecommunications Engineering / Electronic Material Science and Engineering / Nanodevice / Power Electronics / Wireless Communication / Electromagnetics / Electronic Circuit / Electronic Device

LAB ZOOM IN



Associate Professor
WATANABE, Shun

Supporting information technology security through the use of cryptography based on mathematical theory

In our laboratory, we study the cryptography that will become the foundation of information security technology. For example, the bids made at auctions can be very sensitive information that is directly linked to the economic conditions of a company or individual. Therefore, it is really important to have a system in place that checks each person's or organization's bid without allowing any leaks, so that only the identity of the highest bidder is made public. Use of the "secret calculation" technology that we are developing will make it possible to reveal only the truly necessarily public data. This type of study shows how mathematical theory can play an important role in real-world information exchanges.

ACADEMIC CALENDAR

April 4	<ul style="list-style-type: none"> • Start of the Academic Year/Spring Semester • Entrance Ceremony (Spring) • Orientation for New Students
May 5	<ul style="list-style-type: none"> • University Establishment Day (May 31st)
June 6	
July 7	
August 8	<ul style="list-style-type: none"> • Summer Break
September 9	<ul style="list-style-type: none"> • Graduation Ceremony (Fall Students) • End of Spring Semester

October 10	<ul style="list-style-type: none"> • Start of Fall Semester • Entrance Ceremony (Fall)
November 11	<ul style="list-style-type: none"> • University Festival "NoKoh-Sai"
December 12	<ul style="list-style-type: none"> • Winter Break
January 1	
February 2	
March 3	<ul style="list-style-type: none"> • Graduation Ceremony • End of Academic Year/Fall Semester

NoKoh-Sai (University Festival)



Organized by the Festival Committee composed by students, NoKoh-Sai hosts various events such as refreshment stalls, vegetable market, stage performances, counseling for prospective students and open-labs to public. Agriculture Science Fest (poster exhibition) organized by Faculty of Agriculture students is also held during this festival season.

TUAT Plastic 5R Campus

TUAT is engaging in this initiative setting a 2050 deadline for zero petroleum-based plastics.



Zero plastic bottles in vending machines

Install water feeders on campus and call for use of reusable tumblers

No plastic bags at campus stores

Charge plastic bags and call for use of reusable shopping bags

Plastic-reduced university merchandise

Introduce plastic alternatives for university merchandise
Use recycling/renewable materials for clear files
Sell university-logo-printed reusable tumblers

Research to solve the plastic problem

Investigate distribution of microplastic and its impact, etc.

Graduate School of Agriculture

Graduate School of Agriculture offers a two-year Master's program with the aim of developing specialized skills in biological functions, biological resources, the environment and information technology, all of which are indispensable in resolving global issues concerning population, food and natural resources in the 21st century. Through mission oriented research, graduates will develop a broad and deep understanding of nature and human beings, society and culture. Upon completing their Master's degree, graduates will have the option of progressing on to a doctoral degree at affiliated institutions.



Student Enrolled : **448** (May 2019)
Degrees Awarded in 2019 : Master's : **206**

SIX Courses for Master's Program (2 years)

- Agricultural Production Sciences
- Applied Biological Chemistry
- Environmental Science and Natural Resources
- Agricultural Engineering and Agro-Food Informatics
- Sustainable Society
- International Innovative Agricultural Science

ONE Division for Doctoral Program (4 years)

- Cooperative Division of Veterinary Sciences

Cooperative Division of Veterinary Sciences



The Cooperative Division of Veterinary Sciences is a four-year Doctoral program that works in collaboration between Tokyo University of Agriculture and Technology and Iwate University. This program aims at deepening our philosophy "Contributing to the health and welfare of human beings and animals", to foster research leaders with innovative minds developed on Basic Animal Medicine and ability to take leadership roles in the fields of Veterinary Hygiene Science and Veterinary Clinical Science. This program actively accepts international students in response to international veterinary needs.

Graduate School of Engineering

Graduate School of Engineering offers a two-year Master's program and a three-year Doctoral program. Our programs will develop a solid foundation of knowledge, which will provide graduates with a high sense of ethics and an exceptional ability to grasp the essence of the issues.

The Graduate School is also highly ranked among national universities in Japan in terms of collaborative research with private enterprises and foreign research organizations.



Student Enrolled :
1015 (May 2019)
Degrees Awarded in 2019 :
Master's : **343** PhD : **44**

SIX Courses for Master's Program (2 years)

- Biotechnology and Life Science
- Applied Chemistry
- Mechanical Systems Engineering
- Applied Physics
- Electrical and Electronic Engineering
- Computer and Information Sciences

ONE course for Professional Degree Program

- Industrial Technology and Innovation (2 years)

FOUR Courses for Doctoral Program (3 years)

- Biotechnology and Life Science
- Applied Chemistry
- Mechanical Systems Engineering
- Electronics and Information Engineering

ONE Course for Joint Doctoral Program (3 years)

- The Joint Program for Sustainability Research is offered at Tokyo University of Foreign Studies (TUFS), the University of Electro-Communications (UEC) and TUAT.

United Graduate School of Agricultural Science

This is a coordinated effort between three universities - Ibaraki University, Utsunomiya University and TUAT - to offer a three-year Doctoral program. The goal is to deepen and develop sciences related to plant and animal production, bio-resources, biological functions and the preservation of bio-materials. Currently, foreign students make up 30% of its student body, which add an international flavour to the Graduate School.



Student Enrolled : **176** (May 2019)
Degrees Awarded in 2019 : PhD : **42**

FIVE Courses for Doctoral Program

- Biological Production Science
- Applied Biological Chemistry
- Symbiotic Science of Environmental and Natural Resources
- Agricultural and Environmental Engineering
- Science on Agricultural Economy and Symbiotic Society

Graduate School of Bio-Applications and Systems Engineering

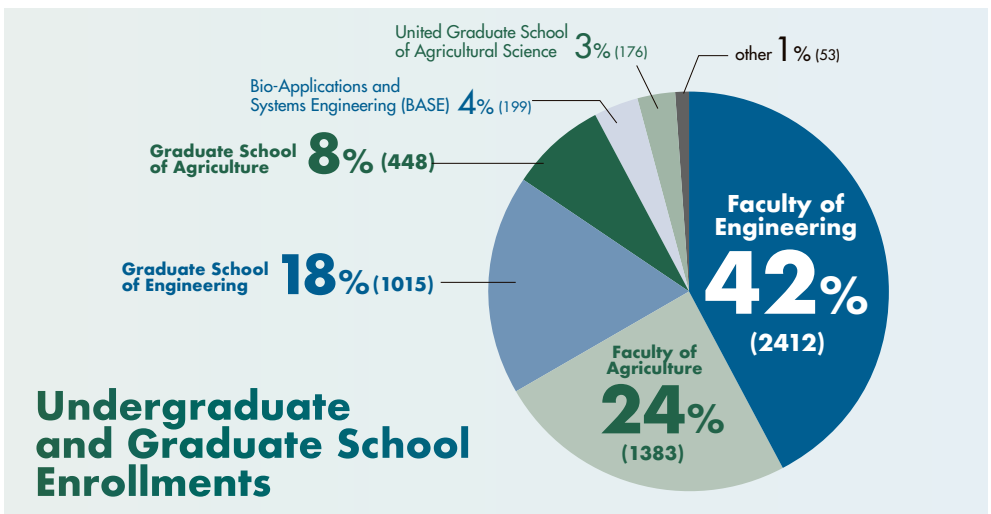
Graduate School of Bio-Applications and Systems Engineering (BASE) established in 1995 to offer a two-year Master's program and a three-year Doctoral program. BASE aims to foster talented individuals endowed with both a wide range of perspectives in the combined disciplines of Agriculture and Engineering. In response to social demands, this Graduate School encourages the re-education of specialized engineers who are already in the workforce. In 2005, a joint project was initiated between TUAT and Waseda University, a private university, to promote the commercialization of research findings. In addition to a new course, "Advance Health Science", was established and it is the first collaboration of its kind in Japan between a national university and a private university.

THREE Departments for BASE Program

- Bio-Applications and Systems Engineering
- Joint Major in Advance Health Science
- Food and Energy Systems Science (5-year Integrated Graduated Course)



Student Enrolled : **199**
(May 2019)
Degrees Awarded in 2019 :
Master's : **64** PhD : **11**



TUAT Global Network and

EUROPE(49)

SWEDEN Royal Institute of Technology | Karolinska Institute (2)

UNITED KINGDOM University of Brighton | University of Oxford | University of Liverpool (3)

FRANCE University of Montpellier | University of Rennes 1 | Université Paul Sabatier (Toulouse III) | Institut de Communication et Cybernétique de Nantes | Université Paris-Est Creteil | University of Grenoble Alpes | ESIEE Paris | Strate School of Design | ENSTA ParisTech (9)

GERMANY Aachen Technical University | University of Hohenheim | University of Bonn | Steinbeis University | Technische Universität München | Julius Kuhn Institut, Federal Research Centre for Cultivated Plants | Leibniz Centre for Agricultural Landscape Research | University of Cologne | Technische Universität Braunschweig (9)

ITALY University of Rome “La Sapienza” | University of Milan | University of Florence | University of Padova | Università Politecnica delle Marche | University of Pisa (6)

SPAIN Universidad de Oviedo | University of Valencia | Spanish National Research Council (CSIC) (3)

CZECH REPUBLIC Czech Technical University in Prague (1)

POLAND Polish-Japanese Institute of Information Technology | Jagiellonian University in Kraków (2)

RUSSIA Pacific National University | Lomonosov Moscow State University | Russian Academy of Sciences (3)

BULGARIA Trakia University (1)

UZBEKISTAN National University of Uzbekistan | Tashkent State Agrarian University (2)

UKRAINE National Technical University of Ukraine “Igor Sikorsky Kyiv Polytechnic Institute” (1)

AUSTRIA University of Veterinary Medicine, Vienna (1)

NETHERLANDS Wageningen University | University of Groningen (2)

LITHUANIA Aleksandras Stulginskis University (1)

PORTUGAL Universidade de Lisboa (1)

FINLAND University of Oulu | Aalto University School of Science (2)

MIDDLE EAST(6)

AFGHANISTAN Kabul University (1)

UNITED ARAB EMIRATES United Arab Emirates University (1)

TURKEY Ankara University | Karadeniz Technical University | Istanbul Technical University | Cukurova University (4)

AFRICA(3)

EGYPT Benha University (1)

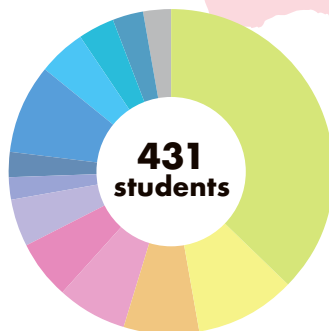
GHANA University of Ghana (1)

TANZANIA Sokoine University of Agriculture (1)

OCEANIA(3)

AUSTRALIA Flinders University | Royal Melbourne Institute of Technology | Monash University (3)

International Student Enrollment by Country (As of November 2019)



Affiliations

Exchange Agreements

With **162** universities,
research institutes and other organizations
In **43** countries (as of January 1, 2020)

ASIA (83)

NEPAL Agriculture and Forestry University (1)

BANGLADESH Stamford University | University of Chittagong | University of Rajshahi | Bangladesh Livestock Research Institute | University of Dhaka (5)

MYANMAR Yezin Agricultural University (1)

THAILAND Chulalongkorn University | Kasetsart University | King Mongkut's University of Technology Thonburi | Mahanakorn University of Technology | Chiang Mai University | Thai-Nichi Institute of Technology | Naresuan University | Suranaree University of Technology | King Mongkut's Institute of Technology Ladkraban | Mahidol University (10)

CAMBODIA Institute of Technology of Cambodia | Royal University of Agriculture (2)

INDONESIA Bogor Agricultural University | Institute of Technology Bandung | Universitas Gadjah Mada | University of Lampung | Agency for the Assessment and Application of Technology (BPPT) | University of Pembangunan Nasional "Veteran" Yogyakarta | Universitas Indonesia | Sumbawa University of Technology | University of Udayana (9)

PHILIPPINES Visayas State University | University of the Philippines Los Baños | University of the Philippines Diliman | Saint Louis University | De La Salle University (5)

MALAYSIA Universiti Teknologi Malaysia | Universiti Putra Malaysia | Universiti Teknologi MARA | Universiti Kuala Lumpur (4)

VIETNAM Can Tho University | Hue University of Agriculture and Forestry | Hanoi University of Science and Technology | Ho Chi Minh City University of Technology | University of Science, Vietnam National University Ho Chi Minh City | International University, Vietnam National University Ho Chi Minh City | FPT University | Vietnam National University of Forestry | Vietnam National University of Agriculture | Nong Lam University | Tra Vinh University (11)

LAOS National University of Laos (1)

CHINA Zhe Jiang University | Nanjing Forestry University | East China University of Science and Technology | China Agricultural University | Northeast Forestry University | Nanjing Agricultural University | Shenyang Agricultural University | DongHua University | Northeast Agricultural University | Guizhou University | Beijing University of Posts and Telecommunications | Shanghai Jiao Tong University | Yunnan Nationalities University | Beijing Forestry University | Dalian University of Technology | Tsinghua University | Chinese Research Academy of Environmental Sciences | Shanghai Academy of Agricultural Sciences | Nanjing Tech University | Hefei University of Technology | Inner Mongolia Academy of Horticulture Research | Institute of Agricultural Resources and Regional Planning, Chinese Academy of Agricultural Sciences | Guangdong University of Technology | Zhejiang Gongshang University | Institute of Process Engineering, Chinese Academy of Sciences (25)

KOREA Kyung Hee University | Jeju National University | Gyeongsang National University | Chonnam National University | Kyungpook National University (5)

TAIWAN Industrial Technology Research Institute of Taiwan | National Chiao Tung University (2)

BRUNEI Universiti Brunei Darussalam (1)

SRI LANKA University of Peradeniya (1)

AMERICA (17)

UNITED STATES OF AMERICA University at Buffalo, the State University of New York | Purdue University | University of Hawaii at Manoa | University of California, Davis | Cornell University | University of California, Riverside | Arizona State University | University of Arizona | University of Georgia | Duke University | Georgia Institute of Technology | University of North Carolina at Chapel Hill (12)

BRAZIL Paulista State University | Universidade Estadual de Campinas (2)

PERU Universidad Nacional Agraria La Molina (1)

MEXICO Chapingo Aut6nomas University | International Maize and Wheat Improvement Centre (2)

UNITED NATIONS (1)

Food and Agriculture Organization of the United Nations (FAO) (1)

FUCHU CAMPUS



Equestrian Club



Hinoki Dormitory



Cafeteria



Courtyard



Library



Research Center
for Frontier
Plant Factory



Yume Ichiba
(Dream's Market)



Main Building
Auditorium



Animal Medical Center



Gene Research Center

Faculty of Agriculture FUCHU CAMPUS

Situated on 286,500m² of campus ground in the heart of Tokyo, Fuchu Campus has the luxury of providing the latest educational programs and state-of-the-art facilities surrounded by lush greenery. Also includes off-campus suburban green lands for Field Science Center providing field-based education and research.

FUCHU CAMPUS 3-5-8 SAIWAI-CHO, FUCHU-SHI, TOKYO

■ Kokubunji Station by JR CHUO Line

Take Keio bus (Fuchu Station via Meisei Gakuen, Tera No.91) from the bus Terminal No.2 of boarding area of **Kokubunji Station** South Exit and get off at "Harumi-cho" bus stop. About 10-minute bus ride.

■ Fuchu Station by KEIO Line

Take Keio bus (Kokubunji Station via Meisei Gakuen, Tera No.91) from the bus Terminal No.2 of boarding area of **Fuchu Station** North Exit and get off at "Harumi-cho" bus stop. About 7-minute bus ride.

■ Kita - Fuchiu Station by JR

Walk about 12 minutes to Fuchu campus.

KOGANEI CAMPUS



140th Year Commemorative Building (Ellipse)



Courtyard



New Lecture Building No. 1



Cafeteria



East Gate



Library



Faculty of Engineering KOGANEI CAMPUS

Surrounded by beautiful nature, zelkova and ginkgo trees add vibrancy to this campus. It is within easy access of major transportations from the metropolis. At its state-of-the-art facilities, students and researchers carry out research and development projects. This campus provides the perfect environment to conduct leading-edge R & D all from a local to global scale.

KOGANEI CAMPUS 2-24-16 NAKA-CHO, KOGANEI-SHI, TOKYO

■ Higashi - Koganei Station by JR CHUO Line

Take JR CHO Line from Tokyo Station (rapid train) to **Higashi - Koganei Station**. About 40 – minute train ride. Walk about 10 minutes to Koganei campus.

■ Musashi - Koganei Station by JR CHUO Line

Take JR CHO Line from Tokyo Station to **Musashi - Koganei Station**. Walk about 20 minutes to Koganei campus.

Admissions for International Students

Special Admissions for Privately Financed Foreign Students (Undergraduate)

Acceptance to TUAT under this system depends on the sum of EJU scores, TUAT's Japanese Language Test and interview results.

Eligibility (must fulfill all 4 requirements):

- 1 Must not possess Japanese nationality
- 2 Must have concluded or expect to conclude 12-year basic education in home country by March of the academic year applied for. Prospective graduates should hold a certificate of expected graduation recognized by the Japanese Ministry of Education, Culture, Sports, Science and Technology.
- 3 Must take the "Examination for Japanese University Admission for International Students (EJU)" as follows:
 - a Test must be taken in Japanese language (for Fac. of Agriculture applicants) or Japanese/English (for Fac. of Engineering applicants)
 - b Japanese Language and Mathematics (Course II) are mandatory.
For Science, the designated subjects vary (two subjects between Physics, Chemistry and Biology) according to the department applied for.
 - c
- 4 Must submit TOEFL or TOEIC score sheet which shows:
Score equivalent to or higher than 470 on TOEFL PBT, 52 on TOEFL iBT or 500 on TOEIC L&R

Graduate School Admissions (Degree Programs)

Requirements and conditions vary. Please contact each school directly.

For information on Graduate Schools:

▶ http://www.tuat.ac.jp/en/department/graduate_school/index.html

For Graduate School Admission Examinations:

▶ http://www.tuat.ac.jp/en/admission/nyushi_daigakuin/index.html

Tuition and other fees

Category	Tuition fees	Enrollment Fee	Examination Fee
Undergraduate and Postgraduate students	¥535,800 / ¥572,400* per year	¥282,000	¥17,000/ ¥30,000**
Research Students	¥29,700 per month	¥84,600	¥9,800

*Prices for Graduate School of Technology Management and Department of Industrial Technology and Innovation only. **Prices for all postgraduate applicants. For other categories and fees, please refer to TUAT webpage.

Enrollment and Tuition Fee Exemption / Deferment System

TUAT provides certain fee exemptions for students enrolled in degree programs if it recognizes that a student faces difficulties to make the payment due to economic circumstances (upon request).

In addition, TUAT waives tuition fees and other academic fees for joint programs with students from partner universities.

How to Find Supervisors at TUAT



A Database is available for prospective students and researchers to check the profile, field of specialization and publications of TUAT Professors.

▶ <http://kenkyu-web.tuat.ac.jp>
(English available)

Short-Term Exchange Program (STEP)

Eligibility: Undergraduate students from Year 3 and later and graduate students enrolled at TUAT partner universities

▶ <http://web.tuat.ac.jp/~steptuat/> Contact: steptuat@cc.tuat.ac.jp

SCHOLARSHIP INFORMATION

Japanese Government (Monbukagakusho: MEXT) Scholarships *Ministry of Education, Culture, Sports, Science and Technology Provides scholarships for research, undergraduate and graduate courses. Contact the nearest Japanese Embassy or Consulate in your country for more information.

▶ <https://www.mext.go.jp/en/index.htm>

Portal Site "Study in Japan" by Japan Student Services Organization (JASSO)

Provides useful information for prospective students regarding the flow of the application processes, life in Japan, visa, scholarship, etc.

▶ https://www.jasso.go.jp/en/study_j/scholarships/index.html

Private Scholarship Application

For private-funded scholarships which require a recommendation from the university, there are two registration periods per year, in April and in October. Upon registration, a document screening and interview will follow. To each relevant scholarship, TUAT will proceed with scholarship recommendations for the highest-scoring students. If you are interested in, please visit Student Support Sections for more details after entering TUAT.



International Student Support

International Affairs Office

The primary function of this office concerns all affairs related to our partner universities abroad and the planning and execution of the international strategy of our university. Such activities include support for international collaborations and student exchanges between TUAT and universities abroad and overall administrative support for international projects. In addition, the International Affairs Office also takes care of student affairs by providing advice and guidance related to study abroad for both inbound and outbound.



Organization for the Advancement of Education and Global Learning (EAGL)

As part of our strategic effort in the globalization of TUAT educational services, the EAGL provides consultations, guidance and language assistance for foreign students and researchers at TUAT, including basic advice for a smooth start to life in Tokyo such as accommodations, financials and medicals. For Japanese students, EAGL also provides information and logistic support for studying and living abroad.



Japanese Language support

For TUAT International students and researchers :

We offer the following Japanese language support needed for your life at TUAT.

Feel free to come to the following offices in case that you wish to get any support regarding Japanese language study. Email us anytime for the consultation.

Japanese Language Learning website : ACTION TUAT!



FUCHU CAMPUS

Natsumi ITO Associate Professor

Japanese Language Course Coordinator, Fuchu

Email itonatsu@go.tuat.ac.jp

Phone 042-367-5651 or 042-388-7621

Office International Center, Main Building, Fuchu Campus

KOGANEI CAMPUS

Tomoko HONGO Professor

Japanese Language Course Coordinator, Koganei

Email hongot@cc.tuat.ac.jp

Phone 042-388-7620

Office Room 506, 5F, Building 13, Koganei Campus

International Houses

Affordable accommodation provided at both campuses for international students, visiting researchers and professors. Details on eligibility, etc. are available on the TUAT website.

Dormitory Name	Fuchu International House	Koganei International House
Room Type	One-person room (18~20m ²)	One-person room (13.5m ²)
Boarding Fee (per month)	¥5,900	¥4,700
Common Service Fee (per month)	¥14,600	¥14,600
Other Expenses	Utilities expense, internet access fee, etc.	
Facilities Included	Shower room, toilet, mini-kitchen	Shared shower room, toilet, mini-kitchen



Fuchu International House



Koganei International House

Dormitory/Accommodation Search

There are also student dormitories: Keyaki (men's) and Kaede (women's) which became available for both Japanese and international students from April 2015. Details on eligibility, etc. are available on the TUAT website.



Hinoki



Keyaki

Dormitory Name	Fuchu Campus		Koganei Campus
	Kaede (women's dormitory)	Hinoki (co-ed dormitory)	Keyaki (men's dormitory)
Room Type	One-person room (9m ²)	One-person room (16m ²)	One-person room (14~17m ²)
Boarding Fee (per month)	¥7,400	¥37,800	¥30,000
Common Service Fee (per month)	N/A	¥2,200	¥10,000
Other Expenses	Utilities expense, internet access fee, etc. [as for Keyaki, the common service fee includes utilities expense, internet access fee and laundry charge.]		
Facilities Included	Shared bath/shower room, shared toilet, shared kitchen	Shower room, toilet, mini-kitchen	Bath/shower room, toilet, mini-kitchen

The average rent for a one-room studio apartment (with a kitchen and bath/shower room) around the campus areas run from ¥60,000 to ¥75,000 per month.

Health Service Center

One Center at each campus provides counselors, doctors, nurses for first aid measures and mental health counseling. It also carries out the annual medical check-up for regular students and provides information about epidemics around the world.

Explore Around Tokyo

There are many attractive areas near the university. With convenient access to the city center, students can easily enjoy all that Tokyo has to offer.

Around the University



Okunitama Shrine

This shrine worships Okunitamano-okami as the guardian deity. Long ago, this deity is deemed to have opened up Musashi Province (a part of modern Tokyo, Saitama, and Kanagawa) and taught people how to make clothing, gather food, and build shelter. It is famous for being a deity of fortune, as well as a deity for matchmaking and warding off and expelling evil.



Tama Zoological Park

This zoo exhibits animals in their natural state in a park that is abound with greenery and natural life. Wild animals that form herds are bred in herds. Nearly 320 animals are currently being bred, including orangutans and koalas.



Mt. Takao

Just a short distance from central Tokyo, Mt. Takao is a popular excursion spot where visitors can easily reach the summit by cable car or lift. Halfway up is Takao-san Yakuo-in Temple, also known as a sacred site of Shugendo (mountain asceticism). Legend has it that Tengu, a long-nosed goblin, resides in this area. As such, bronze statues of Tengu are found everywhere. From the summit, visitors can enjoy the view of the Kanto Plain and Mt. Fuji.

City Center



Shinjuku Area

This area, centered around Japan's busiest JR Shinjuku Station where 3.5 million people transit a day, has many different faces. In the area east of the station, there are the entertainment districts of Kabukicho and Golden-gai, along with shopping areas that include department stores and large retailers. The western side is a business area with rows of high-rise buildings, including the Tokyo Metropolitan Government Buildings, and hotels.



Shibuya-Harajuku Area

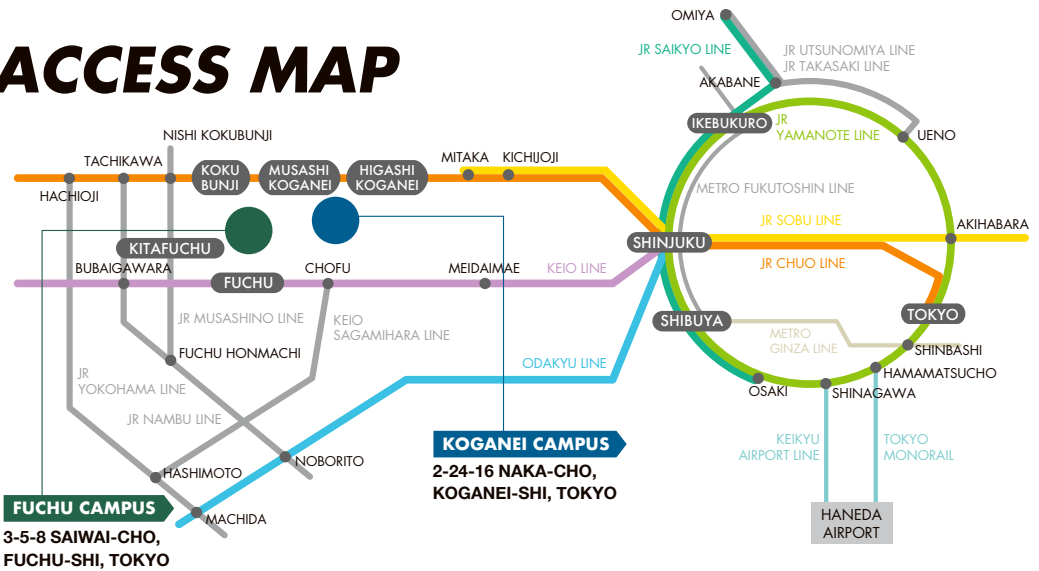
Shibuya is a wellspring of trends. The "Scramble" crossing in front of Shibuya Station and the Center-gai are always bustling with many young people. Harajuku, which includes Omotesando and Takeshitadori, is a stylish area lined with boutiques and open-air cafés. It is regarded as a unique center of fashion with famous brand shops, vintage clothing shops, as well as anime fashion shops.

Asakusa Area

Asakusa is a popular area as visitors can gain exposure to Japanese culture. The Sensoji Temple stands out in particular. The standard tour route is to start from the temple's Kaminarimon Gate characterized by its distinctive large lantern, walk down the traditional-style shopping street Nakamise, and pray at the Main Hall. This area is also home to the 634m Tokyo Skytree, the world's tallest stand-alone communication tower. From the 450m-high observation deck, visitors can look out over the whole Kanto area.



ACCESS MAP



TUAT Official Homepage ▶ <http://www.tuat.ac.jp/>



Detailed information about the undergraduate and graduate courses, entering examinations, open campus periods, event descriptions and other important data. You should definitely check the opening video, where a drone was used to fly over both campuses to show a delightful panoramic view of our facilities!

Student Admission Website ▶ <http://web.tuat.ac.jp/~admiss/>



A comprehensive guide for those who wish to know more about campus life at TUAT. Information about laboratories, club activities, the daily routine of our undergraduate students, graduated students and their current jobs, and more.

Facebook ▶ <https://www.facebook.com/tuat.nokodai>



Posts with evaluations of important researches, news concerning official visits from foreign prominent representatives, interviews of our teaching staff and every mass communication media report related to our school. A whole world of information frequently uploaded.

Twitter ▶ @TUAT_all



Daily tweets about what's going on at TUAT. Press releases and information about events, updates on our club activities, the now and then of our graduated students and more, in a variety of different and interesting topics.