

**Tokyo University of
Agriculture and Technology
Graduate School of Engineering**

Doctoral Course (Doctor)

Application Forms and Guide

For April 2010 Enrollment

Tokyo University of Agriculture and Technology

Tokyo University of Agriculture and Technology Graduate School of Engineering Doctoral Course Application Forms and Guide for April 2010 Enrollment

The Graduate School of Engineering is comprised of a Master's course and a Doctoral Division. The following application guide and forms are intended for the Doctoral Division.

1. Application Quota

Department	Number of applicants to be accepted		
Biotechnology and Life Science	14	(1)	<4>
Applied Chemistry	14	(1)	
Mechanical Systems Engineering	13	(1)	
Applied Physics	19	(1)	
Total	60	(4)	<1>

※() It is a number of collaborative study fields in Number of applicants to be accepted.

< > It is a number of brush up education for society in Number of applicants to be accepted.

2. Admission Requirements

Applicants must meet any of the following items:

- (1) Applicants must either have a master's degree or an equivalent degree in a specialized field, or expect to acquire the degree by the end of March 2010.
- (2) Applicants must either have acquired a master's degree or an equivalent degree in a specialized field overseas, or expect to acquire the degree by the end of March 2010.
- (3) Applicants must have studied in Japan the required subjects for distance learning set by a foreign school and expect to acquire a master's degree or an equivalent degree in a specialized field by the end of March 2010.
- (4) Applicants must have finished an academic course set by the Minister of Education, Culture, Sports, Science and Technology at an educational institute in Japan that provides courses offered by a foreign graduate school that functions under the educational system of a foreign country, and must have acquired a master's degree or an equivalent degree in a specialized field.
- (5) Applicants are specified by the Minister of Education, Culture, Sports, Science and Technology.

An applicant who is specified by the Minister of Education, Culture, Sports, Science and Technology shall be someone who "has graduated from university or has obtained 16 years of education overseas, has conducted over 2 years of research work at a university or research institute, and whose research has led to the acquisition of a postgraduate's degree or an equivalent degree in a specialized field."

(6) Applicants must have been recognized for having academic ability equivalent to a postgraduate's degree or a specialized field through individual admission screening, and will be 24 years of age as of 1 April 2010.

*Preliminary screening will be conducted for applicants applying as either (5) or (6) of admission qualification will be given. (See *The Approval of Admission Qualifications (5) & (6).*)

3. Application Deadline

From Wednesday, 6 January to Friday, 8 January, 2010 (reception desk hours: 9 am – 0 pm, 1 pm – 5 pm). Posted applications must be received by Friday, 8 January.

4. Application Procedure

See 5. *Selection Procedures* before applying and submit the required documents either in person at the Admissions Office or by post before the deadline.

Contact information for application
submission and inquiries:

Admissions Section, Koganei Student Support Center,
Tokyo University of Agriculture and Technology
2-24-16 Naka-cho, Koganei-shi, Tokyo 184-8588
TEL: 042-388-7014

5. Selection Procedures

The selection of successful applicants will be conducted comprehensively through academic achievement test and screening of documents.

(1) List of documents to be submitted

Documents for application		Important notes
A	Admission Voucher (use provided form)	Before filling in the section <i>Proposed Research Title</i> , ensure to follow guidance of your preferred supervisor and have him/her approval seal in the section <i>Preferred Supervisor</i> .
B	Photograph Voucher / Examination Voucher (use provided form)	A photograph showing your upper body, without any headwear, and taken within 3 months prior to application (4cm x 3cm) must be adhered where designated.
C	Certificate of (expected) completion of course	You must submit a certificate of (expected) postgraduate's degree or master's degree issued by the graduate school you attended (attending). This applies if you have graduated or expect to graduate from our Graduate School of Engineering. However, submission of this certificate is not required from applicants meeting admission qualification (5) or (6).
D	Certificate of graduate school academic achievements	Issued by the graduate school you attended. This applies if you are belonging to our Graduate School of Engineering. However, submission of this certificate is not required from applicants meeting admission qualification (5) or (6).
E	Outline of Master's Thesis (use provided form)	An outline of your master thesis within 2,000 Japanese characters (500 English words) should be submitted if you have completed a master course. In addition, provide separated prints or copies of any published articles related to your postgraduate's thesis, if available. However, this is not required if you are still enrolled in your master course or meet requirement (5) or (6).
F	Research Proposal (use provided form)	The proposal for the Doctorial research should be within 2,000 characters and ensure you obtain the confirmation of your preferred supervisor.
G	Statement of Purpose (use provided form)	Clearly state your master thesis title, or the general outline of the research you are currently conducting (wish to conduct), as well as why you wish to apply for the course. (Not applicable for students graduated from our university, research and current students, and applicants meeting requirement (5) or (6).
H	Return envelope	Applicable only if you submit the application by post. Use Japanese standard "Long No. 3" size envelope and adhere a 350 yen worth of stamp. Also ensure to provide your name, return address and postal code so we can send you your examination voucher and other documents.
I	Original Copy of Certificate of Alien Registration Matters	Non-Japanese applicants must submit a copy of Certificate of Alien Registration Matters (detailing the status and permitted period of stay). In addition, government-sponsored foreign student of the MEXT (Ministry of Education, Culture, Sports, Science and Technology) must also submit a certificate of guarantee of acceptance as Japanese government scholarship student which is issued by the university enrolled.
J	Entrance examination fee (paid using provided payment slip designated by our Graduate School)	30,000 yen. Obtain the designated payment slip for the entrance examination fee at the counter of the Koganei Student Support Centre, make your payment at the post office or Japan Post Bank, receive the <i>Certificate of Transfer Payment Receipt</i> with the stamp of the branch and date, and attach it on the designated place of <i>Payment Confirmation Slip of Entrance Examination Fee</i> . In addition, ensure to keep the <i>Transfer Payment Invoice and Receipt Slip</i> safe, as it acts as the receipt of your payment. *As payment of the entrance examination fee will be confirmed with the stamp of branch and date of payment shown on the <i>Certificate of Transfer Payment Receipt</i> , make your payment at a post office or Japan Post Bank only. (Payments are not accepted via ATM transaction.) If you are applying from outside of Japan, you are advised to consult with your preferred supervisor first.
K	Name & Address voucher (use provided form)	Fill in all necessary information. Should any information, such as your address, change after submitting your application, make sure to contact the Admissions Section, Koganei Student Support Center immediately.

(2) Academic Achievement Test

You will be tested upon your knowledge of the specialized field related to the outline of the postgraduate's thesis and research proposal you submitted, as well as your language skills.

6. Date and Place of Examination

(1) Date: Tuesday 19 January 2010

(2) Place: Tokyo University of Agriculture and Technology, Koganei Campus

Further details concerning the place of examination will be given to you later.

7. Announcement of Successful Applicants

The list of successful applicants will be shown on the notice board located on the first floor of the Central Building at the Koganei Campus from 1:30 pm, on Friday, 12 February 2010. The successful candidates will be provided the *Notice of Acceptance* in exchange for Examination Voucher. If you are enrolled at another university you will be informed by post of the outcome of your application.

8. Admission Procedure

(1) Date and place for your admission procedure

Day that our university specifies in March 2010, at the Koganei Campus of Tokyo University of Agriculture and Technology. The place of admission procedure will be given to you later.

(2) Required fees upon admission

1) Admission fee — 282,000 yen

Not applicable to those who have completed the Master's Course at Graduate School of Engineering and who are proceeding on to the Doctoral Division, and government-sponsored foreign student.

2) Tuition fee — 535,800 yen [payment upon entrance (for the first semester) is 267,900 yen]

Not applicable to government-sponsored foreign student.

Note: The fees set above are current as of 2008, but may be subject to change before the date of admission procedure. In addition, should the tuition fee change during enrollment, the new fee will be applicable upon amendment.

3) Other required documents — Entrance Agreement (use provided form)

Working applicants who wish to enter the course while employed must submit the Entrance Agreement provided by such persons as the head of the department. Please note that in the case you are unable to submit the agreement your admission may be revoked.

9. Important Notes

(1) Ensure to contact and obtain confirmation from your preferred supervisor before you apply.

(2) Ensure to bring along your Examination Voucher when you come for your academic achievement test.

(3) No part of any documents may be altered once application is submitted.

(4) Should you violate any part of this Application Forms and Guide and instructions given by the university, you may be denied of the examination.

(5) Confirmation concerning the entrance examination should be made at the *Contact information for application submission and inquiries*, as given on page 1.

(6) The examination fee is non-refundable, regardless of any reason.

(7) Applicants will be informed immediately if any changes concerning the examination occur.

(8) Once admitted, upon the submission by the applicants and depending on the systems of the exemption of admission/tuition fee and scholarship, your certificate of achievement which you submitted upon application and the result of your entrance examination may be used for consideration. Please rest assured that your private information, obtained upon your application, will be adequately treated according to our Privacy Policy (available on the university website).

The Approval of Admission Qualifications (5) & (6)

Admission qualification approval will be conducted as follows to decide whether you are qualified for application for the Doctoral Course:

1. Submission of Application Documents

Submission date: From Monday, 4 November to Friday, 6 November 2009

(The national holiday is excluded.)

Submission time: 9 am – 0 pm, 1 pm – 5 pm

Submission place: Admissions Section, Koganei Student Support Center, Tokyo University of Agriculture and Technology (1F, Central Building, Koganei Campus)

2. Documents for Submission

- (1) Admission Qualification Approval Form (use provided form)
- (2) Certificate of graduation from the last academic institution attended (issued by the school)
- (3) Certificate of achievements from the last academic institution attended (issued by the school).
- (4) A list of research achievements (use provided form) and separated prints of any articles published, etc.
- (5) Certificate of employment (enrollment) [free format (not applicable to applicants who have no employment history out of them who meet admission qualifications (5) or (6)]
- (6) Statement of Purpose (use provided form)

3. Approval Examination

To be conducted on Thursday, 12 November 2009. Details will be given upon application procedures.

4. Approval Result

To be shown on the notice board on the first floor of the Central Building at the Koganei Campus from 1:30 pm, on Friday, 11 November 2009.

5. Application Procedures

Applicants who have been approved to go ahead with the application should proceed to apply as required for general application.

Guide to the Doctoral Course

Graduate School of Engineering of Tokyo University of Agriculture and Technology

1. Admission Policy

The Graduate School of Engineering places focus on the study of natural environments and scientific technologies, accepting a wide range of students from Japan and other countries aiming to become technicians and researchers active in the international society for self-enlightenment and to acquire a broad range of knowledge and vision, and the ability to execute tasks that is sustained by high self-motivation and morality.

2. Major Education and Research Features

- 1) In order to respond to the scholastic research fields within the academic arena, research work is conducted under a strong guidance system according to the overall academic specialization based on the general academic system. Meanwhile, supervision of Master's or Doctoral theses is conducted under a multiple-supervision system, in order to respond to interdisciplinary research work.
- 2) In order to eliminate any hindrance that may be created by specialized academic research that will become high level but extremely narrowed, students will be asked to conduct research of sources for a research theme different to their own Master's or Doctoral theses. This is to ensure students acquire a broad range of knowledge and attain a flexible ability to think.
- 3) Classes are conducted with focus on the field related to the actual research work undertaken by the teaching staff.
- 4) The Graduate School of Engineering proactively accepts not only working people who already have acquired a master's degree, but also people who have worked for more than 2 years after graduating from an undergraduate degree.

3. Main Research Works of Department Teaching Staff

Department : Biotechnology and Life Science

Specialty & Major Research Fields	Academic Advisor	Research Subject
Biotechnology1		
Cell engineering	Hideaki Matsuoka mhide(at)cc.tuat.ac.jp	Femto injection. Single-cell gene engineering. Food safety control and regulatory science.
	Mikako Saito mikako(at)cc.tuat.ac.jp	Disease model cells of diabetes. Cell regenerative engineering. Single-cell plant science.
Biomolecular and structural informatics	Tetsuo Asakura asakura(at)cc.tuat.ac.jp	Structural analysis of peptides and proteins with NMR. Production of silk-like materials with recombinant DNA technology and Application to biomaterials.
	Yutaka Kuroda ykuroda(at)cc.tuat.ac.jp	Structural and functional analysis of proteins at atomic/molecular level using recombinant DNA technologies, NMR, X-ray Crystallography, and computational methods.
Structure and cellular function of biomolecules	Shun Nakamura nakashn(at)cc.tuat.ac.jp	Molecular mechanism of neural cell function and plasticity.
Molecular biology and pathophysiology	Chisato Miyaura miyaura(at)cc.tuat.ac.jp	Molecular biology and pathological analysis for life-style related disease.
	Masaki Inada inada(at)cc.tuat.ac.jp	Molecular pathological investigation using gene targeted mice and disease models on mice.
	Yoshihiro Ohta ohta(at)cc.tuat.ac.jp	Development of novel techniques for organelle imaging and their application to mitochondrial study. Cell death, Ca ²⁺ signaling and generation of reactive oxygen species are mainly focused.
Plant biotechnology	Yoshihiro Ozeki ozeki(at)cc.tuat.ac.jp	Molecular biological and biochemical studies on the enzymes involved in plant secondary metabolisms.
	Akiyo Yamada yamaden(at)cc.tuat.ac.jp	Molecular biological analysis of the genes based on the function of the proteins related to salt-tolerance phenotype of the halophyte.
Nanobiotechnology	Kazunori Ikebukuro ikebu(at)cc.tuat.ac.jp	Nucleic acid engineering of aptamers for the application to diagnosis and novel bottom-up nanotechnology.

Specialty & Major Research Fields	Academic Advisor	Research Subject
Biobusiness	Koji Sode sode(at)cc.tuat.ac.jp	Screening and protein engineering of the enzymes and proteins which are useful for industrial applications.
	Wakako Tsugawa tsugawa(at)cc.tuat.ac.jp	Development of sensor and detection system using the engineered enzymes and proteins for diagnosis and health check.
Biotechnology2		
Biomolecular engineering	Tadashi Matsunaga tmatsuna(at)cc.tuat.ac.jp	Molecular study on bacterial magnetite synthesis and its application for biosensing. Marine biotechnology. Bioelectronics.
	Tsuyoshi Tanaka tsuyo(at)cc.tuat.ac.jp	Development of on-chip typed microfluidic devices for biomolecular detection and cell analysis.
	Tomoko Yoshino y-tomoko(at)cc.tuat.ac.jp	Development of novel bio-nanomaterials through genetic engineering by microorganisms for biosensing and biomedical applications.
Bioelectronics	Hiroyuki Ohno ohnoh(at)cc.tuat.ac.jp	Development of ionic liquids as ion conductors, solvents for biomass extraction and energy conversion.
	Nobuhumi Nakamura nobu1(at)cc.tuat.ac.jp	Bioelectrochemistry and Raman spectroscopy of metalloproteins and construction of biofuel cells.
Synthetic organic chemistry Bioorganic chemistry/chemical biology	Kazuo Nagasawa knaga(at)cc.tuat.ac.jp	Total synthesis of biologically active natural products, Development of organocatalyst.
	Kaori Sakurai sakuraik(at)cc.tuat.ac.jp	Development of novel chemical tools to study biological functions of glycolipids and natural products.
Biosociety engineering Biomolecules and proteomics	Masafumi Yohda yohda(at)cc.tuat.ac.jp	Structure and function of molecular chaperones. Genetic analysis systems for SNP genotyping and bioremediation.
	Masafumi Odaka modaka(at)cc.tuat.ac.jp	Structure and function of metalloenzymes. Protein X-ray crystallography.
	Kazuhiro Yamada yamadak(at)cc.tuat.ac.jp	Characterization of proteins involved in folic acid, vitamin B-12, and one-carbon metabolism.
Human exercise systems	Fuminori Nakiri nakiri(at)cc.tuat.ac.jp	Human motion systems including the interface between “objects” and humans; the effect of engineering and medical applications on the human body; and biomechanics related to motions in playing sports and sporting goods.
	Yukio Tanaka tyuki(at)cc.tuat.ac.jp	Exercise physiology, Microcirculation and Respiration.
Human behaviour systems	Hideyuki Tanaka tanahide(at)cc.tuat.ac.jp	Perception and motor control in human (e.g., proprioceptive control of movement, visual estimation of object motion, posture and gait, etc.).
Theoretical linguistics	Atsushi Hatakeyama hatayu(at)cc.tuat.ac.jp	Syntactic structure, semantic structure, and information structure.

Department : Applied Chemistry

Specialty & Major Research Fields	Academic Advisor	Research Subject
Division of Advanced Chemical Science and Technology		
Organic Chemistry	TAKEDA, Takeshi takeda-t(at)cc.tuat.ac.jp	Development of new methods for the preparation of organometallic compounds and their application to fine organic synthesis.
Opto-electronic Materials	KOUKITU, Akinori koukitu(at)cc.tuat.ac.jp	i) Growth of high quality single crystal layers from vapor phase based on atomic level control of solid surface and/or vapor phase reaction, ii) First principles calculation, thermodynamic analysis and experimental approach including in-situ monitoring.
	KUMAGAI, Yoshinao 4470kuma(at)cc.tuat.ac.jp	Growth of compound semiconductor crystals from vapor phase based on the thermodynamic analysis and construction of growth system.
Molecular Design	NAOI, Katsuhiko k-naoi(at)cc.tuat.ac.jp	Energy chemistry. Electrochemical energy storage by use of nano-structured materials. Lithium-ion battery, electrochemical supercapacitor. Hybrid nanoenergy device.
Inorganic Solid State Chemistry	YAMAZAKI, Takashi tyamazak(at)cc.tuat.ac.jp	Development of stereoselective construction methods of fluorine-containing compounds. Clarification of effect of fluorine atoms towards conformation of compounds.
	MAEDA, Kazuyuki k-maeda(at)cc.tuat.ac.jp	Development of novel nanospace materials such as zeolite-related and mesostructured materials, especially inorganic-organic hybrid nanospace materials.
Electrochemistry	OYAMA, Noboru oyama(at)cc.tuat.ac.jp	Molecular design, synthesis, and characterization of electrode surfaces. Electroactive materials for lithium-ion batteries, and devices.
Molecular Catalysis	KOMIYA, Sanshiro komiya(at)cc.tuat.ac.jp	Synthesis, reaction and catalysis of heterodinuclear organotransition metal complexes. Organometallic chemistry and catalysis in water.
	HIRANO, Masafumi hrc(at)cc.tuat.ac.jp	Activation of inactive bond in organic molecules by transition-metal complexes and the application toward molecular transformation with high atom efficiency.
Synthetic Inorganic Chemistry	YAMADA, Mami m-yamada(at)cc.tuat.ac.jp	Synthesis of novel inorganic-organic hybrid nanomaterials and investigation of their functions.
Inorganic Solid State Chemistry	NOMA, Tatsuo noma(at)cc.tuat.ac.jp	Synthesis and application of functional ceramic films including ferroelectrics, dielectrics and photo catalysts. Designing of processing method using high electric field at elevated temperatures.
Organic Chemistry	TANAKA, Ken tanaka-k(at)cc.tuat.ac.jp	Organometallic chemistry directed towards organic synthesis, asymmetric catalysis.
Capacitor Technology (Sponsored Laboratories)	TAMAMITSU, Kenji tama3(at)cc.tuat.ac.jp	Development of soft energy devices and their functional nanomaterials. Electrochemical energy storage by electric double layer capacitors. Lithium-ion capacitors and electrochemical supercapacitors.

Specialty & Major Research Fields	Academic Advisor	Research Subject
Division of Organic and Polymer Materials Chemistry		
Organic and Polymeric Materials Synthesis	SHIGEHARA, Kiyotaka Professor, Dr. jun(at)cc.tuat.ac.jp	*Functional Polymers for Electronics and Optics *Green Plastics Derived From Lignin *Anti-flame Plastics *Poly(methylene) Type Side-chain Liquid Crystal Polymers
	TOMINAGA, Yoichi Associate Professor, Dr. ytominag(at)cc.tuat.ac.jp	*Design of Solid Polymer Electrolytes in Carbon Dioxide and Control of the Ionic Conductivity *Functional Mesoporous Ceramics for Polymer Composites *Ion-Conductive Rubbers and their Blends
Functional Organic Materials Processing	YONEZAWA, Noriyuki Professor, Dr. yonezawa(at)cc.tuat.ac.jp	*Fundamental Organic Chemistry for Polymer Materials with Less Environmental Impact *Acid- or Superacid-mediated C-C Bond Formation Reaction of Fatty Acid resource *Synthesis, Structural Analysis/design, and Polymerization of Non-coplanar Aromatic Ring Assemblies
Organic Hybrid Materials	WATANABE, Toshiyuki Professor, Dr. toshi(at)cc.tuat.ac.jp	*Development of photoresponsive polymers *Development of reversible thermoresponsive recording of fluorescent image *Synthesis of diamond from carbon dioxide *Development of photoresponsive drug delivery systems
	OZAKI, Hiroyuki Associate Professor, Dr. hiroyuki(at)cc.tuat.ac.jp	*Electronic and geometric structure analysis of extrathin (4-10 Å) molecular aggregates on clean surfaces *Creation, characterization, and manipulation of a single sheet (or chain) of a polymer
Organic Electronics Materials	TOYOTA, Akinori Professor, Dr. a-toyota(at)cc.tuat.ac.jp	*Functional Polymers for Optics & Electronics *Precision polymerization with Complex Coordination Catalyst *Precision Polymer Reaction *Inclusion Compound of Cyclodextrin and Olefinic Polymer
Intelligent Organic Materials	USUI, Hiroaki Professor, Dr. usui(at)cc.tuat.ac.jp	*Physical Vapor Deposition of Organic Materials *Polymeric Film Formation by Vapor Deposition Polymerization *Interface Control of Thin Films Pertinent to Polymeric Materials *Electronic Devices Based on Organic Thin Films
	OIKE, Hideaki Associate Professor, Dr. oike(at)cc.tuat.ac.jp	*Topological Polymer Chemistry Including Cyclic and Branch Macromolecules *Polymer Synthesis Based on Amino Acids *Supramolecular Polymer Chemistry
Material Systems Mathematics	GODA, Hiroshi Professor, Dr. goda(at)cc.tuat.ac.jp	*Knots, Links and 3-dimensional manifolds
Bio-materials	MURAKAMI, Yoshihiko Associate Professor, Dr. muray(at)cc.tuat.ac.jp	*Biomaterials *Surgical Tissue-Adhesive Materials *Gels for Endovascular *Drug-Release Matrix *Polymers Agent *Polymeric Film for Bioanalysis
Management of Development on Functional Materials	SAITO, Hiromu Professor, Dr. hsaitou(at)cc.tuat.ac.jp	*Polymer Blends *Mechanical and Optical Properties of Polymers *Morphology Design of Polymers by Supercritical Fluids *Crystallization of Polymers

Specialty & Major Research Fields	Academic Advisor	Research Subject
Division of Chemical Engineering		
Process Systems Engineering	YAMASHITA, Yoshiyuki Professor, Dr. yama_pse(at)cc.tuat.ac.jp	Design and application of dependable process control systems, fault detection and diagnosis, process simulators, and intelligent global optimization of process systems.
	SAKURAI, Makoto Associate Professor, Dr. sakuraim(at)cc.tuat.ac.jp	Studies on energy conversion process and micro chemical process for clean energy production and energy conservation.
	KAMEYAMA, Hideo Professor Dr. tatkame(at)cc.tuat.ac.jp	Research and development of reforming technologies for fuel cell and catalytic cleaning technologies of various kinds of flue gas.
Reaction Engineering	TOKUYAMA, Hideaki Associate Professor, Dr. htoku(at)cc.tuat.ac.jp	Development of functional polymers and gels and process for metal separation, organic compound separation, drug delivery system, etc. Preparation of micro-or nanoparticles and porous materials.
Molecular Chemical Engineering	MATSUOKA, Masakuni Professor, Dr. mmatsuoka(at)cc.tuat.ac.jp	Crystal and crystallization engineering covering advanced purification and resolution, polymorph and morphology control of organic crystals, and crystallization by mechano-chemical processing.
	ISO, Mamoru Associate Professor, Dr. isomamor(at)cc.tuat.ac.jp	Development of polymer optical waveguide devices. Preparation of organic-inorganic hybrid fine particles by sol-gel method. Immobilization of enzyme by microcapsule.
Environmental Bio-Engineering	HOSOMI, Masaaki Professor, Dr. hosomi(at)cc.tuat.ac.jp	Development of non-combustion technologies for persistent organic pollutants (mechanochemical, chemical dehalogenation, photodegradation), and remediation technologies for contaminated soil and groundwater.
	TERADA, Akihiko Senior Assistant Professor, Dr. aktd(at)cc.tuat.ac.jp	Better use and control of complex microbial community in natural environments and development of novel bioreactor systems for water/wastewater treatment, recovery of valuable products and other applications, e.g. removals of persistent organic pollutants, nitrogen and phosphorus, production of biopolymer, and control of biofilm structure and activity.
Chemical Energy Systems Engineering	QIAN, Eika Associate Professor, Dr. whqian(at)cc.tuat.ac.jp	Catalytic chemistry and reaction engineering to manufacture clean energy and materials from natural gas, petroleum, coal, and lignobiomass.
Communication Studies	SATO, Yoko Professor satoyoko(at)cc.tuat.ac.jp	Communication studies; Second language teaching with a special reference to extensive reading, vocabulary acquisition and testing of English; Representation techniques of language art and performing arts.

Department : Mechanical System Engineering

Specialty & Major Research Fields	Academic Advisor	Research Subject
Division of Fundamental Mechanical Engineering		
Energy Systems Analysis	Professor Hiroyuki SASAHARA, Dr. sasahara(at)cc.tuat.ac.jp	Development of a novel machining process on the cutting/grinding process, rapid manufacturing, environmentally conscious machining process, CAD/CAM/CAE, simulation of machining processes, direct metal rapid fabrication using arc welding, surface enhancement by frictional stir burnishing, surface integrity of machined surface.
Fluid Dynamics	Professor Norio ARAI, Dr. arai(at)cc.tuat.ac.jp	Interaction of separated flows compressible and incompressible flow, Fluid-structure interaction(Active and/or passive control of oscillated bodies), Numerical simulation, and Bio-fluid dynamics (Aneurysm, effects of stent).
	Professor Masaharu KAMEDA, Dr. kame(at)cc.tuat.ac.jp	Bubble dynamics, high-speed aerodynamics, and fluid measurements. Current research topics are (1) dissolution of microbubbles in turbulent flow, (2) fast responding pressure-sensitive paint for unsteady aerodynamics, (3) fragmentation of vesicular magma in volcanic eruption, (4) supersonic air-intakes, and (5) dynamics of bubbles in acoustic fields.
Materials Engineering for Machinery	Professor Tohru TAKAHASHI, Dr. takahas(at)cc.tuat.ac.jp	Major interest of this laboratory is concerning a basic understanding of mechanical behavior of inorganic matters, especially at elevated temperatures. Research projects are under way about the microstructure, strength, deformation, performance and their interrelationship in metals, alloys and intermetallics. Mechanisms of high temperature creep and grain boundary sliding are experimentally investigated with relevance to dislocation theory.
Strength of Materials	Professor Shigeru NAGAKI, Dr. nagaki(at)cc.tuat.ac.jp	Constitutive theory on inelastic in material. Formulation and application of mechanical models for materials comprising microscopic structures such as porous materials and polycrystals. Deformation analysis concerning heat treatment processes.
	Associate Professor Atushi SAKUMA, Dr. asakuma(at)cc.tuat.ac.jp	Analysis on deformation behavior in living bodies. Experiment and simulation concerning motion control. Theoretical analysis and simulation of non-linear deformation of materials. Research in thermal processes for metals. Development of computation algorithms for a large scale computation.
Elasto-Plasticity and Material Forming	Professor Toshihiko KUWABARA, Dr. kuwabara(at)cc.tuat.ac.jp	Numerical simulation of material forming, Constitutive modeling of metals based on multi-axial stress tests, Development of experimental methods for evaluating the formability of metals, Development of novel material forming technology, Intellectualization of forming machines and dies.
Analysis of Mechanical Components	Associate Professor Koji IKEDA, Dr. ikedak(at)cc.tuat.ac.jp	Modeling of tribological mechanisms in metals, ceramics, polymers and composites and development of its application. Development of mechanical components with improved functions and a longer life. Research on analysis and evaluation of defect processes under vibration in polymers, metals and computation.

Specialty & Major Research Fields	Academic Advisor	Research Subject
Division of Applied Mechanical Engineering		
Mechanical Systems Design	Professor Shigeki TOYAMA, Dr. toyama(at)cc.tuat.ac.jp	Softwares for dynamic systems are developed to analyze and control multi-body systems such as vehicles and robots. Tools for discussing complicated motions in machine parts coupled with rotational and translational joints. Algorithms are newly developed whose computation time is proportional to the number of moving bodies. This can compute complex motion of machines much faster than ordinary methods whose computation time is proportional to the cube of member numbers.
	Associate Professor Ikuo Mizuuchi, Dr. mizuuchi(at)cc.tuat.ac.jp	Design, implementation, control methods, sensing mechanisms, actuation mechanisms, software architecture, artificial intelligence, and other aspects of intelligent robots: ongoing subjects include musculoskeletal humanoid robots inspired from human body structure, kitchen assistant robots, intelligent robots, and so on.
Thermal and Fluid Systems	Professor Akira MURATA, Dr. murata(at)mmlab.mech.tuat.ac.jp	Heat and fluid flow related to gas turbines, Numerical simulation of turbulent heat transfer, Flow visualization, Heat and fluid flow related to surface tension, Marangoni force, and wettability, Molecular dynamics simulation of thermal problems.
	Associate Professor Kaoru Iwamoto, Dr. iwamotok(at)cc.tuat.ac.jp	Efficient thermal-fluid control techniques for energy saving and environment impact mitigation will be developed. E.g., efficient turbulence control techniques for drag reduction of airplanes, those for material engineering (efficient production of high-quality materials), those for bioengineering (effect of fluid pulsation) and those for chemical engineering (efficient production of hydrogen).
Simulation Engineering	Professor Masao NAGAI, Dr. Nagai(at)cc.tuat.ac.jp	Research interests include Intelligent motion and vibration control in mechanical systems, especially, automotive, locomotive, magnetically levitated, and other ground vehicles. Safety and security problem is one of the major research interests related to vehicle dynamics and control, active and preventive safety, driver assistance system, human-machine interface, and intelligent transportation system.
	Associate professor Takayoshi KAMADA, Dr. kama(at)cc.tuat.ac.jp	Active vibration control, Smart structure, Health monitoring, Earthquake resistance technology, Base isolation and vibration vcontrol of building, Vehicle control, Elevator technology.
	Associate professor Pongsathorn RAKSINCHAROENSAK, Dr. pong(at)cc.tuat.ac.jp	Research interests include the development of active vehicle control technologies with integrated sensing of human driver, vehicle motion and road surroundings for safety and security of motorized society, e.g. the safety devices for personal mobility, vehicle dynamics and control, and human-centered driver assistance systems.
Precision Measurement	Professor Wataru NATSU, Dr. summer(at)cc.tuat.ac.jp	Management of Machinery Safety, Electrical Machining, Abrasive Machining, Precision Measurement.
	Associate Professor Osamu HIRAYAMA, Dr. hrym(at)cc.tuat.ac.jp	Physics of complex systems. Simulation and Experiment on friction-induced vibrations. experiment and simulation of fluidized bed and vibrated bed. Fluctuation in human standing pose. Motion tracking of paramecia. Analysis on structure of ant holes.

Specialty & Major Research Fields	Academic Advisor	Research Subject
Control Systems	Professor Yasutaka TAGAWA, Dr. tagawa(at)cc.tuat.ac.jp	Research is under way in developing novel devices for modeling and controlling of mechanical systems. Basic research and device development are performed for vibrational testing systems for the next generation, advanced motion simulators, and power assist systems for man-machine cooperative motion. Design method is studied for controlling systems based on transfer functions.
	Associate Professor Gentiane VENTURE, Dr. venture(at)cc.tuat.ac.jp	The main research topics are the edge of Robotics and Biomechanics. We are focusing on finding motion features that characterize the humans; and that can be understood by the robots. Research includes development of formalisms and methodologies to understand the human (actions, emotions) and the human motions from their dynamics, as well as to measure the humanoid dynamics. The range of applications includes human-robot interaction, medical diagnostics support, rehabilitation monitoring, sport science, entertainment.
Mechatronics	Professor Masanori KUNIEDA, Dr. kunieda(at)cc.tuat.ac.jp	Main research interest is nontraditional machining such as: electrical discharge machining (EDM), electrochemical machining (ECM), laser processing, and rapid manufacturing. Manufacturing dies and molds, and precision measurement are other research topics.
	Associate Professor Hiroshi ISHIDA, Dr. h_ishida(at)cc.tuat.ac.jp	Hiroshi Ishida's research interests are in the development of biomimetic robotic systems with the emphasis on olfactory sensing on mobile robot platforms. The ongoing research projects include the developments of mobile robots for gas/odor source localization, blimp robots for three-dimensional gas-distribution mapping, crayfish robots for underwater chemical-source localization, as well as the development of biochemical sensors for mobile robot olfaction.
Production System Engineering		
Mechanical Information Engineering	Professor Norihiro UMEDA, Dr. umeda (at) cc.tuat.ac.jp	Main activity of this laboratory is research and development of new generation of technologies by merging optics and nanomechanics. Researches are performed concerning nano-actuators by means of photon mechanics, surface plasmon sensors, nano-observation and nano-processing utilizing near-field lights, and bio-photonics.
	Associate Professor Yukitoshi OTANI, Dr. otani(at)cc.tuat.ac.jp	Optomechanics. Major research projects include three-dimensional profilometry, nano-metrology, polarimetry, birefringence mapping, bio-sensor, optical actuator, optical manipulator, and laser processing.
Geometric Mechanical Engineering	Professor Jiro SEKIGUCHI, Dr. sekiguti(at)cc.tuat.ac.jp	Representation of semisimple Lie groups, Analysis on symmetric spaces.
	Associate Professor Hironobu MAEDA, Dr. maeda(at)cc.tuat.ac.jp	Study of geometric structures and arithmetic of the singularity on algebraic varieties of mixed characteristic.
Algebraic Mechanical Engineering	Professor Kunio YAMAGATA, Dr. yamagata(at)cc.tuat.ac.jp	Representation theory of associative algebras and its application.
Intelligent Systems for Mechanical Engineering	Associate Professor Hiroyuki NISHIDA, Dr. hnishida(at)cc.tuat.ac.jp	Research on magnetohydrodynamics, aerodynamics and flight dynamics of advanced space propulsions and reusable space vehicles. For example, research on control of high-energy plasma flow for advanced propulsion, development of flow control device and application of the flow control device to reusable space vehicle. Numerical simulation and experiment are conducted to address these objectives.
Technoculture Semiotics	Professor Masanori FUNAKURA, Mr. fnkr(at)cc.tuat.ac.jp	Philosophical and historical research on the interaction between technology and culture.

Department : Electronic and Information Engineering.		
Specialty & Major Research Fields	Academic Advisor	Research Subject
Division of Applied Physics		
Quantum functions	MORISHITA, Yoshitaka morisita(at)cc.tuat.ac.jp	Materials research of III-V compound semiconductors and magnetic semiconductors combined with 3-D photospinic crystals.
	IKUSHIMA, Kenji ikushima(at)cc.tuat.ac.jp	Quantum devices and the applications. Based on studies of semiconductor quantum dots, quantum Hall electron systems and superconducting junctions, development of ultra-sensitive sensors and imaging methods is targeted.
Atomic Processes	UKAI, Masatoshi ukai3(at)cc.tuat.ac.jp	Physics of electronic, atomic, molecular, and photonic collisions and following relaxation processes in the gas and the condensed phases. Development of new experiments for atomic spectroscopy.
Quantum Beams	NITOH, Osamu nitoh(at)cc.tuat.ac.jp	Research on instrumentation in high energy physics. Studies on charged particle tracking detectors for colliders, especially time projection chamber with MPGD, and behaviors of electrons and ions in gas detectors. Exploring violation of symmetries in elementary particles.
	MINODA, Hiroki hminoda(at)cc.tuat.ac.jp	We have studied the structures, electronic transport, and other quantum effects which are characteristic to artificial nano-scale structures fabricated on semiconductor crystal surfaces by controlling surface superstructures by using a UHV-TEM equipped with four-point probe measurement system.
Quantum Optics	MUROO, Kazuyuki muroo(at)cc.tuat.ac.jp	Study on quantum property of non-classical photon states, such as entangled multiphoton states, their interaction with matter, and quantum control of these states.
Quantum Electronics	MISAWA, Kazuhiko kmisawa(at)cc.tuat.ac.jp	Research on quantum-mechanical control of optical properties in condensed matters by using tailored femtosecond pulses, and its application to photonic devices, photochemical-reaction control, and molecular imaging.
	ASHIHARA, Satoshi ashihara(at)cc.tuat.ac.jp	We develop novel schemes of generation and control of ultrashort laser pulses, based on nonlinear optical effects. We also investigate ultrafast dynamics of molecules in condensed phases and electrons in solids by the nonlinear spectroscopy technique.
Complex Functions of Materials	TANI, Toshiro ttani(at)cc.tuat.ac.jp	Nanophotonics of semiconductor quantum dots, organic quantum wires, single molecules & proteins, etc. with laser microscopy and their technological applications.
	MURAYAMA, Yoshihiro ymura(at)cc.tuat.ac.jp	Soft matter physics, Biophysics, and Nonequilibrium physics. Experimental studies on dynamical properties of biomolecules and living matter.
Complex Fluids	SANO, Osamu sano(at)cc.tuat.ac.jp	Fundamental studies on fluid mechanics and its application to industrial and environmental problems. In particular, experimental and theoretical studies on vortices, thermal convection, mesoscopic process of the pattern formation in granular materials under vibration and/or fluid flow, nano-fluid mechanics for drug delivery system.
Supermolecule	NAITO, Michio minaito(at)cc.tuat.ac.jp	Experimental research on superconductivity, superconducting materials, and superconducting application. Especially search for new superconducting materials via thin-film synthesis.
Physical Information and Communication	MORI, Yukiko argo(at)cc.tuat.ac.jp	The study of the drama and the films from the viewpoint of visual communication. Included are the researches on the audience, the cultural backgrounds, and the development of visualizing techniques.

Division of Applied Electronics Engineering		
Electronic System Engineering	SAMESHIMA, Toshiyuki tsamesim(at)cc.tuat.ac.jp	Electrical properties of crystalline and amorphous semiconductor thin films, insulating materials and thin film transistors.
Power Electronics	KAMISAKO, Koichi kamisako(at)cc.tuat.ac.jp	Fabrication process of solar cells for clean energy conversion technology, high efficiency crystalline silicon solar cells and semiconductor process utilising hydrogen.
Electrical Energy Conversion Engineering	WAKUI, Shinji wakui(at)cc.yuat.ac.jp	Positioning equipments for high speed, anti-vibration apparatus for micro-gravity order, servo type vibration sensor including its application for anti-vibration, and servo-motor driving technology.
	IIMURA, Yasufumi iimura(at)cc.tuat.ac.jp	Flat panel displays and their related topics, such as liquid crystal displays (LCDs), organic Electro-Luminescence displays (OELDs) and organic TFTs.
Electronic Device Engineering	SUDA, Yoshiyuki sudayou(at)cc.tuat.ac.jp	Si-system MBE and environmentally-light load sputter epitaxy, nanoscale Si-system advanced devices (2DFET, RTD, QD, SET, NVM, sensors) and processing techniques.
	SHIRAKASHI, Jun-ichi shrakash(at)cc.tuat.ac.jp	Novel nanofabrication techniques, single-electron transistors (SETs), and ferromagnetic nanostructures.
Integrated Functional Electronics	UENO, Tomo tomoueno(at)cc.tuat.ac.jp	Development of Integrated Circuit based on novel device and process technology. Low temperature insulating film fabrication, OLED fabrication, electrical measurement, physical & chemical analysis.
Optoelectronics and Photonics	KUROKAWA, Takashi tkuro(at)cc.tuat.ac.jp	Ultrafast optical signal processing, Optical sensing networks, Optical communications, Design of optical devices, Astro-Optics.
	TAKAKI, Yasuhiro ytakaki(at)cc.tuat.ac.jp	Three-dimensional display, Holography, Three-dimensional camera, and Optical information processing.
Environmental Energy Engineering	NAGASAKA, Ken bahman(at)cc.tuat.ac.jp	Power System Engineering, New Energies including Wind, Solar, Micro Hydro Generation, Planning and Operation of Micro Grids, Load Forecasting, Power Deregulation, Energy Conservation, Application of Intelligent Engineering such as Neural Network and Genetic Algorithm to Power Systems, etc.
Opto-Spintronics	SHIMIZU, Hiromasa h-shmz(at)cc.tuat.ac.jp	Research on Semiconductor / Magnetic Hybrid Materials, and Their Application to Novel Opto-Spintronics Devices.
Radio Communication System Engineering	SUZUKI, Yasuo ysuzuki-(at)cc.tuat.ac.jp	Multidimensional (frequency, time, code, and space) equalization technology against Rayleigh or Rice fading. Effective use of the frequency using some adaptive technologies.
	KAMIYA, Yukihiko ykamiya(at)cc.tuat.ac.jp	Wireless ad hoc network based on multi-dimensional signal processing.
Intelligent Systems	SEKINE, Masatoshi sekinem(at)cc.tuat.ac.jp	Hard/soft complex with reconfigurable LSIs for Image & audio Recognition system, Evolving or Learning facilities by logic circuits for robotics, Distributed network computing or personal super computing with RHPC, Pulse logic system of half negation for artificial neural net.
	FUJIYOSHI, Kunihiro fujjyosi(at)cc.tuat.ac.jp	Computer-Aided Design and Design-Automation of VLSI layout problem, using combinatorial algorithm and graph theory.
Electromagnetic Wave Engineering	UNO, Toru uno(at)cc.tuat.ac.jp	Antennas and propagation, Computational electromagnetics, Bio-electromagnetics, Geophysical sensing, Electromagnetic environment, Electromagnetic metamaterials.
	ARIMA, Takuji t-arima(at)cc.tuat.ac.jp	Computational electromagnetics, New materials for electromagnetic waves, Bio-electromagnetics.
Medical Information System Engineering	SHIMIZU, Akinobu simiz(at)cc.tuat.ac.jp	Medical Imaging, Computer-aided Diagnosis, Pattern Recognition, Multidimensional Signal Processing.
Intelligent Systems and Informatics	KOBAYASHI, Yuichi yu-koba(at)cc.tuat.ac.jp	Environmental adaptive intelligent robots. Robotic motion learning and image recognition using reinforcement learning, optimization, autonomous decentralized system theory, and statistical processing.
Image Processing	KITAZAWA, Hitoshi kitazawa(at)cc.tuat.ac.jp	Image processing for security monitoring system: moving object tracking, object recognition, privacy protection.
	TANAKA, Toshihisa tanakat(at)cc.tuat.ac.jp	Mathematical signal processing and its applications. Image processing and compression. Multirate signal processing. Statistical signal processing.
Opto-Electronics	TANAKA, Yosuke tyosuke(at)cc.tuat.ac.jp	Multi-function and high-speed optical signal processing, optical sensing system, and related devices and data processing technique.

Specialty & Major Research Fields	Academic Advisor	Research Subject
Division of Computer Science		
Representation theory of finite groups	WADA, Tomoyuki wada(at)cc.tuat.ac.jp	Group algebra, character theory, modules, blocks, defect groups, Cartan matrices, several conjectures.
	MORIFUJI, Takayuki morifuji(at)cc.tuat.ac.jp	Studies of characteristic classes of surface bundles and the associated secondary invariants. Topological invariants of 3-manifolds via representations of discrete groups.
	NAKAMORI, Mario nakamori(at)cc.tuat.ac.jp	Computational complexity; graph, network flow and electric circuit; mathematical programming; scheduling of chip mounting on a board; bin packing; model curricula of computer science.
Systems optimization	SHINANO, Yuji yshinano(at)cc.tuat.ac.jp	Discrete optimization. application of optimization technology to industrial engineering.
	KOTANI, Yoshiyuki kotani(at)cc.tuat.ac.jp	Artificial Intelligence related to knowledge processing, knowledge acquisition, game playing algorithms, data mining, and machine learning.
Systems Software	NAMIKI, Mitaro namiki(at)cc.tuat.ac.jp	Operating systems, compiler, interpreter, protocol stack, window system, parallel processing, distributed systems, embedded systems.
System evaluation	KAWASHIMA, Konosuke k-kawa(at)cc.tuat.ac.jp	System configuration and evaluation studies for next generation network, new wireless network etc.
System design	KANEKO, Keiichi k1kaneko(at)cc.tuat.ac.jp	Algorithms for interconnection networks, parallel/distributed processing, dependable computing.
Virtual reality	FUJITA, Kinya kfujita(at)cc.tuat.ac.jp	Virtual reality, cyberspace communication, human Interface.
Image and vision computing	SHIMIZU, Ikuko ikuko(at)cc.tuat.ac.jp	Computer vision, shape and appearance modeling, image recognition.
Computer networks	TERADA, Matsuaki m-tera(at)cc.tuat.ac.jp	New generation internet, ubiquitous network and their applications.
Computer architecture	NAKAJO, Hironori nakajo(at)cc.tuat.ac.jp	Processor micro-architecture, parallel processing, VLSI design, high performance computing, network interface.
Cognitive interaction technology	NAKAGAWA, Masaki, Ph.D.(Sci.) nakagawa(at)cc.tuat.ac.jp	Human interfaces, pattern recognition, handwriting recognition, pen-based interfaces, natural language processing, web applications.
Statistical classification and retrieval	HOTTA, Seiji s-hotta(at)cc.tuat.ac.jp	Classification and clustering, invariances in recognition, information retrieval.
	KITAJIMA, Katsuhiro kitajima(at)cc.tuat.ac.jp	3D Computer Graphics, 3D Simulation, Virtual Human, Facial Modeling, Simulation on Natural Phenomina.
Biologically-inspired computing	KONDO, Toshiyuki t_kondo(at)cc.tuat.ac.jp	Neurocomputing, evolutionary computation, cognitive robotics, cognitive interface design.
Ubiquitous computing,	FUJINAMI, Kaori fujinami(at)cc.tuat.ac.jp	Human-computer interaction, distributed smart sensing and context sensing, embedded interaction.
Natural Language Information Science	SHINOHARA, Kazuko k-shino(at)cc.tuat.ac.jp	Cognitive linguistics, Conceptual Metaphor Theory, Spatial cognition and language.

Collaborative Study Fields of Graduate School of Engineering

The following academic study fields have been established under the Graduate School of Engineering, as an aim to activate academic study at graduate school level, through collaborations with organizations such as external research institutes with excellent research achievements.

Department: Biotechnology and Life Science		
Specialty & Major Research Fields	Academic Advisor	Research Subject
Environmental Genome Technology (Cooperation Program with AIST, National Institute of Advanced Industrial Science and Technology)	MACHIDA, Masayuki m.machida(at)aist.go.jp NAKAMURA, Noriyuki noriyuki- nakamura(at)aist.go.jp NAKAMURA, Chikashi chikashi- nakamura(at)aist.go.jp	Cell engineering based on nanotechnology aiming to use iPS cells or somatic stem cells practically for the regenerative medicine. Genome engineering based on high-throughput genome analysis aiming to make fine products from the gene resources of <i>Aspergillus oryzae</i> used for Japanese traditional fermentation industries or the related species.
Department: Applied Chemistry		
Specialty & Major Research Fields	Academic Advisor	Research Subject
Non-equilibrium Process Engineering (Cooperation Program with Mitsubishi Chemical Group Science and Technology Research Center, Inc)	KIJIMA, Naoto Visiting Professor, Dr. ASATANI, Haruo Visiting Professor, Dr. SHIROYA, Toshifumi Visiting Professor, Dr.	Most of the industrial processings of chemical products are in continuous operation. On the other hand, non-equilibrium processing is emerged recently, such as the rapid temperature change to produce amorphous metals. We study the theory and practical methods for non-equilibrium processing systems to produce new materials.
Department: Mechanical System Engineering		
Specialty & Major Research Fields	Academic Advisor	Research Subject
Traffic Transport Systems Engineering (Cooperation Program with Railway Technical Research Institute)	Professor Yasufumi SUZUKI, Dr. Professor Shinichi KUBO, Dr. Associate Professor Masahiro SUZUKI, Dr.	Education and research are carried out for advanced analysis and design methods to develop higher velocity train systems for future generation; train body design applicable for higher velocity, technologies for lighter train body and safety improvement. Social and societal need and problems for future transportation systems are analyzed and evaluated.
Department : Electronic and Information Engineering		
Specialty & Major Research Fields	Academic Advisor	Research Subject
Advanced Electronic Information System Technology (Cooperation Program with Central Research Laboratory of Hitachi, Ltd)	ANDO, Masahiko LI, Yongun KAMBARA, Hideki	Optoelectronic Devices, Nanophotonics, Bioinformatics.
Information-Communication Engineering (Cooperation Program with National Institute of Information and Communications Technology)	TANAKA, Masato ENDO, Akira WATANABE, Soichi HIROSE, Nobumitsu	Education and research for fundamental technologies related with wireless communication HF devices, communication systems, communication environment and electromagnetic wave measurement technologies which support the development of the next-generation information-communication application fields and their key technologies.

Note: Those who wish to study in any of the collaborative fields should obtain prior guidance from the head of each major field.

Tokyo University of Agriculture and Technology Graduate School of Engineering
(Doctoral Course)

志 願 票

Admission Voucher

For April 2010 Enrollment

Preferred Department		Preferred Division		Examinee's No.	* DC—
Preferred Supervisor	(Signature)		Proposed Research Title		
Applicant's Name			M / F	Place of Work or University Currently Enrolled	
Date of Birth	(day) (month) (year)			Domicile (or Nationality)	(Foreign students to provide nationality)
Current Address	(Post Code —)		(C/O)		
	TEL: () —		Home/Pager ()		
Contact Address	(Post Code —)		(C/O)		
	TEL: () —		Home/Pager ()		
Resume	Academic Record (Please provide details from high school or special college)	Month / Year	Remarks		
	Work Experience (If you have any academic record as a researcher, etc. in a university, etc., please state it here.)				
	Remarks (Awards and penalties, or the period of school leave, etc.)				
Type of Funding (Foreign Students Only)	Privately Funded Funded by the Japanese Government Funded by Foreign Government		Application Qualification	*	

Note 1: DO NOT fill in section marked *.

Note 2: USE black or blue pen only.

**Tokyo University of
Agriculture and Technology
Graduate School of
Engineering
(Doctoral Course)**
For April 2010 Enrollment
写真票
Photograph Voucher

Affix Photo Here.
Photo must be of top part of
body, facing forward, without
headwear, and taken within the
last 3 months.
(4cm x 3cm)

Examinee's No.	* DC —		
Preferred Department			
Preferred Division			
Name			
Date of Birth	(dd) (mm) (yy)	M	F

Record Attendance*	of	Attended	/
		Absent	

Note 1: DO NOT fill in section marked *.

Note 2: USE black or blue pen only.

**Tokyo University of
Agriculture and
Technology
Graduate School of
Engineering
(Doctoral Course)**
受験票
Examination Voucher

For April 2010 Enrollment

Examinee's No.	* DC —		
Preferred Department			
Preferred Division			
Name			
Date of Birth	(dd) (mm) (yy)	M	F

(Remarks)

1. This voucher must be placed on the desk during the academic achievement test in full view of the test supervisor.
2. Keep this voucher safe, as it will be required for obtaining the Notice of Acceptance, etc on the day of announcement of successful applicants if you successfully pass the test.
3. DO NOT fill in section marked *.

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修士論文の概要

Outline of Master's Thesis

Examinee's No.	* DC —	Preferred Department		Name	
		Preferred Division			
Master's Thesis Title					
Outline of Master's Thesis					

Note: Applicants having completed a master's degree should provide a concise and specific outline of the thesis under 2,000 Japanese characters (500 words in English).

In addition, diagrams, charts, equations may also be added if necessary. Furthermore, if using a word processor, either print directly onto this form or print on an A4 size sheet in the same layout as this form.

DO NOT fill in section marked *.

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研究計画書

Research Proposal

Examinee's No.	* DC —	Preferred Department		Name	
		Preferred Division			
(Proposed) Research Topic					
Outline of (Proposed) Research Topic:					

Note: Use the format shown to provide a concise and specific outline, and no more than 2,000 characters. In addition, if using a word processor, either print directly onto this form or print on an A4 size sheet in the same layout as this form. If you are not student, also provide details of how you propose to conduct your research.
DO NOT fill in section marked *.

志 望 理 由 書

Statement of Purpose

Preferred Department		Name		Examinee's No.	* DC —
Preferred Division				Reference No.	*

DO NOT fill in sections marked *. The statement should be about 1,000 characters and may be made with a word processor using the same format.

Attached Form (1)

Result of qualification to apply	* Passed / Failed
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Name of person in charge of the approval* _____ (Signature)

資格認定申請書

Tokyo University of Agriculture and Technology Graduate School of Engineering
 Application Form for Approval of Qualification to Apply for the Doctoral Course Entrance
 Examination for April 2010 Enrollment

Preferred Department		Preferred Division		Examination No.	* DC —
Name		M / F	Current Occupation		
Date of Birth (Age)	(dd) (mm) (yy)		Current Address	TEL ()	-
Academic Record					
(dd) (mm) (yy)	Details				
Work Experience (Provide details that show the content of work involved, such as in research and development work)					
(dd) (mm) (yy)	Details				
Academic (Conference) and Social Activities					
(dd) (mm) (yy)	Details				

Note: If using a word processor, either print directly onto this form or print on an A4 size sheet in the same layout as this form.
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研究業績一覽

List of Research Achievements

Name _____

Preferred Department	Preferred Division	Examinee's No.	* DC —
Title of academic paper, research presentation, report or patent.	Date of publication or presentation.	Name of publisher, journal, or conference.	Remarks (co-author(s) or co-presenter(s))

入学検定料納付確認票

Confirmation Voucher of Entrance Examination Fee Payment

Preferred Department	
Preferred Division	
Examinee's No.	* DC —

(The Preferred Department and Preferred Division must be filled in by the applicant.)

Affix the Certificate of Transfer Payment Receipt [for Submission to the University] here.

(Note)

1. Invalid without dated stamp of the post office or Japan Post Bank.
2. Applicant's name and address must be filled in where designated on the Certificate of Transfer Payment Receipt.
3. Keep the *Payment Billing and Receipt Slip* safe and DO NOT affix it here.
4. The paid entrance examination fee is not refundable under any circumstances.

Name & Address Voucher

- Fill in your preferred department and division, post code, address and name in the designated fields in each of the 3 sections.
- Ensure your name and address are accurately provided. Notify the Admissions Section immediately if any changes take place after the submission of your application.
- DO NOT fill in the section marked *.

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Preferred Division	
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Examinee's No.	* DC—

For notice of acceptance. Tear along here. For mailing of entrance procedure information. Spare copy.