

Guidelines for Applicants (Second Offer)  
Tokyo University of Agriculture and Technology (TUAT) Leading Program

(A model-advanced program for TUAT Leading Graduate School for Practical Science)

1. Program Overview

We will establish a graduate school in the field of practical science beginning in the 2014 academic year. This graduate school will consist of a five-year curriculum that includes collaboration with domestic and overseas businesses and educational facilities in order to cultivate future leaders with the ability to solve important issues faced by humankind. As a model-advanced program of this graduate school, we are starting this program and selection of students for joining this program. This program can be taken by students who are currently enrolled in a master's program at this university.

The program aims to cultivate the following types of ideal human resources:

Those who, in their capacity as expert practical researchers, have the ability to understand the inseparable relationship between food, the environment, and energy and can enthusiastically engage the issues surrounding the survival of the humankind.

Those who have the ability to lead and create teams of professionals from a broad range of fields and can actively utilize their communication skills on the international stage.

Those who have the ability to undertake and complete challenging tasks through a process of self discovery.

2. Curriculum

Some of the subjects in this program are lectured in English.

Career Development Subjects: Subjects that recognize goal setting and related methods as part of self-development.

Basic Subjects: These subjects, which can be taken by students of all years, develop and strengthen human capabilities through the wide-ranging study of humanities and subjects related to food production such as ethics, art and design, law, economics, and history. In addition, they nurture the students' negotiating skills and their ability to express themselves in Japanese through creative persuasiveness. Some subjects are held at collaborating institutions (Sophia University).

Basic of Specialized Subjects: Basic of specialized subjects related to agriculture and engineering. As a matter of priority, students studying agriculture are encouraged to take engineering subjects, and students studying engineering are advised to take agriculture subjects.

Innovation Subjects: With an emphasis on practical education through a program of innovation

and practical education, these subjects develop the students' ability to understand needs and value-based creativity and obtain the skills necessary to form teams and coordinate organizations through creativity and innovation.

International Subjects: These include English presentation subjects, English essay writing subjects, regular colloquia using English language, and international exchange workshops.

Social Interaction Subjects: In addition to experiencing work at companies in the form of practical internships, students participate in joint research with companies and propose policies in collaboration with external organizations while receiving instruction from multiple members of the teaching faculty. In addition, students are dispatched to overseas research institutions and universities which conduct cutting-edge research for one to six months.

Research Guidance: After receiving research guidance from three faculty members, students choose one academic supervisor (as they progress to D1) and receive research guidance from him/her over a three-year period. This collaboration culminates in the creation of a doctoral dissertation.

### 3. Grade

As a standardized system for evaluating grades, a Radar Chart Quality (RCQ) grading system has been introduced for each subject, which evaluates improvements in each student's general academic abilities in obtaining a so-called bird's-eye view of the issues. A Qualifying Exam\* (Qual. Exam) is administered in the academic year (M2, equivalent to the second year of a master's program) prior to the student's progression into the third year of the integrated education program (D1, equivalent to the first year of a doctoral program) by using a two-tiered system of evaluation. In addition, a final Qual. Exam is administered in the beginning of the student's fifth year (D3, equivalent to the third year of a doctoral program). Thus, grades are evaluated through a combination of evaluations regarding the Qual. Exams and the RCQ as well as the student reports. \*The Qualifying Exam is administered through interviews and group discussions.

For the duration of the program, TAs and RAs will be employed through this program based on selection examinations and evaluations of grades conducted during the program. In addition, financial support and aid for travel and living expenses required for studying abroad will be provided.

### 4. Requirements for Completion

The standard period of study for completion of this program is five years.

Students must obtain a total of 54 credits including the prescribed credits for their particular major.

From these credits, 12 credits must be from subjects in this program.

To complete the program, students are required in advance to meet the grade standards for such

aspects as the RCQ, project planning subjects through on-campus research, overseas placements, and corporate internships.

In cases where students enroll in the graduate school, scheduled to be established in the 2014 academic year, approval for program completion or doctoral degrees will be granted on the basis of the criteria specified separately by the said graduate school.

## 5. Eligibility

Those who are enrolled in a master's program at this university (as of the 2013 academic year\*), who have expressed a clear desire to progress to a doctoral program after having obtained a master's degree, and whose goals conform with the educational and research principals of this program.\*While recruitment includes students from this university's Faculty of Agriculture Department of Veterinary Science, who are in the 5th or 6th year of their coursework as of the 2013 academic year (with the exception of some subjects), the formal commencement of the program for these students will follow their progression to graduate school.

Students who pass the final selection and are accepted into the program are conferred with a certificate of program completion after having taken the prescribed subjects over the five-year period.

When applying, please contact your intended primary academic supervisor at the graduate school to obtain approval and confirm your research content and interview/examination schedule. In the event that you are accepted for the program, please contact each of your intended academic supervisors and arrange a meeting regarding your future research plans.

Application Documents: Transcripts (your undergraduate program) and Accompanying (Form 1 (downloadable from <http://www.tuat.ac.jp/~leading/>))

Where to Hand in Your Documents:

*Koganei Campus* Graduate School of Bio-Applications and System Engineering (BASE) office (BASE Main Building, 2nd floor), Tokyo University of Agriculture and Technology.

*Fuchu Campus* Report box in front of the Fuchu Student Support Office (Fuchu Main Building, 1st floor), Tokyo University of Agriculture and Technology.

## 6. Application/Selection Schedule

Applicants are to bring their application documents to the Fuchu Campus Report box in front of the Fuchu Student Support Office or the Koganei Campus Graduate School of Bio-Applications and System Engineering (BASE) office within the application period. Applications sent by mail are to be sent via registered express and should reach the Fuchu Campus Report box in front of the Fuchu Student Support Office or the Koganei Campus Graduate School of Bio-Applications and System

Engineering (BASE) office within the application period. The schedule for the selection of candidates is as follows:

Application Period: from March 11 to April 10, 2013 (9:30am–11:30am and 1:30pm–4:00pm).

Notification of Results: Mid-April

Interviews: April 27, 2013. Venue: meeting room #2 on 3<sup>rd</sup> floor of Main Office (Administration)  
(other details; to be announced)

Results of Final Selection: April 30, 2013 (expected)

Procedures for Enrolling in the Program: The orientation meeting for procedures for enrolling in the program will be specially held later on.

## 7. Selection Criteria

Suitability for this program is judged on the basis of the application documents and the following content. Written tests are not administered based on the fact that students already possess the fundamental academic abilities as a result of having passed the concerned graduate school's entrance examinations. Interviews are also scored based on a 10-minute presentation and 10-minute question-and-answer session regarding the following content:

Reasons for applying for this program:

Overview of graduation research and current prospects for future research through this program.

Overview of the created study program in reference to the model cases (Accompanying Form 2).

Future aspirations following completion of the program and the obtainment of the degree.

## 8. Program Capacity

Some seats are scheduled for this initial program.

## 9. Contact

(Office)

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(Adviser)

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