

**Graduate School of Bio-Applications and Systems Engineering (BASE),
Tokyo University of Agriculture and Technology**

**Department of Bio-Functions and Systems Science (Doctoral Course)
Department of Food and Energy Systems Science (Consistent Doctoral Program)
Third-Year Enrollment**

**Application Guidelines for
International Students with the Japanese Government Scholarship
and Privately Financed International Students
for October 2021 Enrollment**

**Global leader program for interdisciplinary research of
agricultural and engineering science in ASEAN**

The Doctoral Course and Consistent Doctoral Program of Graduate School of Bio-Applications and Systems Engineering, Tokyo University of Agriculture and Technology develop R&D leaders who can play an active role internationally, by endowing excellent international students from ASEAN countries with advanced agricultural/engineering research ability, technical ability, and social implementation ability necessary for further development of the ASEAN region.

I. Departments seeking applications and prospective supervisors

1. Departments seeking applications

- Department of Bio-Functions and Systems Science (Doctoral Course)
- Department of Food and Energy Systems Science (Third-Year Enrollment)

2. Prospective supervisors

- Department of Bio-Functions and Systems Science (Doctoral Course)
Applicants should select the prospective supervisors they wish to choose from among the research fields of the Graduate School of Bio-Applications and Systems Engineering provided on page xiii. (If your prospective supervisor has a ※mark on the right side of the name, please contact ※prospective supervisor.)
- Department of Food and Energy Systems Science (Third-Year Enrollment)
Applicants should select from the following two types of supervisors.
 - Education Supervisor
Applicants should select the education supervisors they wish to choose from among the research fields of the Department of Food and Energy Systems Science provided on page xiv. Please be sure to inform or consult with your education supervisor in advance about the research supervisor you wish to apply for.
 - Research Supervisor
A Research Supervisor can be chosen from the Graduate School of Agriculture, the Graduate School of Engineering, or the Graduate School of Bio-Applications and Systems Engineering. Please be sure to inform or consult with your research supervisor in advance about the

education supervisor you wish to apply for.

II. Students recruited

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Candidates for MEXT Scholarship

1. Applicants

Graduate-level international applicants who will come to Japan as new students.

*Applicants should have the MEXT grade point of 2.30 (out of 3.00) or above in two recent years, and are expected to maintain this academic standard during the scholarship program. Moreover, applicants should satisfy one of the conditions of “6. Language skill” below.

2. Nationality

Applicants must have the nationality of a country with diplomatic relations with the Japanese government. Applicants who have Japanese nationality at the time of application are ineligible.

However, applicants based in countries other than Japan who have dual nationality including Japanese nationality at the time of application are eligible if they choose a foreign nationality by the date of arrival and plan to surrender their Japanese nationality.

3. Age

Applicants who were born on or after April 2, 1986.

*The exceptions to the above age requirements are limited to cases where MEXT judges that the applicant was unable to apply at the age of qualification due to the system and circumstances of the country of nationality (duty of military service, loss of educational opportunities due to war, etc.). We do not accept any personal circumstances (economic conditions, family circumstances, health conditions, university or work circumstances, etc.). However, if an applicant who has completed the young leaders program and who does not meet the above age requirements wishes to enter the doctoral program, we accept him/her only within 5 years after completing the program.

4. Academic background

Applicants must be a graduate of a Japanese university or have academic abilities equivalent to or greater than those of a Japanese university graduate. Eligible applicants other than those who have graduated from Japanese universities are defined as follows:

- 1) Applicants must 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 September 2021.
- 2) Applicants who have been recognized as having academic abilities equivalent to or greater than those of a holder of a master’s degree or an equivalent degree by TUAT through individual entrance qualification screening. And applicants who have reached 24 years of age as of the first day of the enrollment month.

5. Fields of study

Your major fields at university or related fields that you can study at our Graduate School of Bio-Applications and Systems Engineering (BASE).

6. Language skill

Applicants are required to fulfill at least one among the following English proficiencies .

- 1) A score of qualification or examination test equal to or more than B2 equivalent of Common European Framework of Reference for Languages (CEFR) in English at the time of enrollment in a regular course.

- 2) Applicants who completed the educational course that satisfies entrance qualifications for a Japanese graduate school master's course in English as the main language.
- 3) Applicants who are recognized by our Graduate School of Engineering as having the English proficiency specified in 1) above.

7. Health

Applicants should be in good mental and physical health.

8. Arrival in Japan

Applicants must be able to arrive in Japan between October 1 and October 14, 2021.

9. Remarks

1) Applicants in one or more of the following categories are “ineligible.” They must decline the scholarship offer if they are found to fit any of the following criteria.

- (1) Active members of the military or civilians employed by the military at the time of arrival in Japan and during the scholarship period;
- (2) Applicant who is unable to come to Japan within the period designated by MEXT or our Graduate School of Engineering;
- (3) Those who were the Japanese government (MEXT) scholarship students in the past (including those who declined after arrival in Japan). However, this does not apply to an applicant, who: (i) have academic or work experience of more than 3 years from the month following the last month of scholarship to the last month of scholarship; or (ii) the last Japanese government (MEXT) scholarship received was either a Japanese-studies student and later returned to a university from which he or she graduated (or expected to graduate) in their home or another country, an international student in Japan under the Japan-Korea Joint Government Scholarship Program for the Students in Science and Engineering Departments and later returned to South Korea, or an international student under the young leaders program. In addition, MEXT Honors Scholarship do not apply to the Japanese government (MEXT) scholarship, so you can apply even if you have received it in the past.
- (4) Those who have applied for duplicates of other 2021 scholarship programs under the Japanese government (MEXT) scholarship.
- (5) An applicant who is enrolled in a Japanese university with a status of residence “Ryuugaku (student)” at the time of application, or who is enrolled or scheduled to be enrolled as a privately financed student in a Japanese university since the time of application until the scholarship provision. However, even if the applicant (privately financed student) is enrolled or scheduled to be enrolled in a Japanese university, the following case is excluded: At the time of application, the applicant is surely expected to complete his/her study program prior to commencement of the MEXT Scholarship grant period and return home, and then acquires a new status of residence “Ryuugaku (student)” to come again to Japan.
- (6) Those who plan to receive scholarships from an organization (including a governmental organization in his or her home country) other than the Japanese government (MEXT) after the start of scholarships.
- (7) An applicant who failed to graduate and whose conditions and academic qualification are not satisfied by the prescribed date.
- (8) An applicant who has dual nationality at the time of application and cannot prove that he/she has surrendered Japanese nationality by the date of arrival.
- (9) An applicant who is planning long-term research activities (internships, fieldwork, etc.) outside Japan, or planning to take a long-term leave of absence from the time of application.

- (10) An applicant who completed doctoral course and does not aim for obtaining a degree.
- 2) Admission shall be cancelled if a candidate who expected to graduate failed his/her graduation before the end of September 2021.
- 3) Regarding “II. Eligibility and Requirement, 4. Academic background,” in case the candidate has less than 16 years of school education, evaluation is required prior to the admission. Please inform your prospective supervisor at our Graduate School of Bio-Applications and Systems Engineering (BASE) by January 12, 2021.
- 4) We will employ those who, while studying in Japan, contribute to mutual understanding between their countries and Japan by participating broadly in local schools and activities as human resources that help internationalize Japan. We also expect them to strive to promote the relationship between their countries and Japan by maintaining close relationships with their Japanese universities after graduation, cooperating in questionnaire surveys after graduation, and cooperating in projects implemented by Japanese diplomatic missions after returning home.

Application Procedure

Applicants should submit, via their university or institution, the following documents to the prospective supervisor of our Graduate School of Bio-Applications and Systems Engineering (BASE) before January 29, 2021.

- 1) Submittal of application
All the documents should be sent by international mail, etc. to the prospective supervisor. (The applicant should contact the prospective supervisor and obtain an acceptance from him or her in advance.)
- 2) Documents to be submitted
 - (1) APPLICATION FORM FOR JAPANESE GOVERNMENT (MEXT) SCHOLARSHIP FOR 2021 (use enclosed form)
 - (2) Field of your major and research plan (use enclosed form)
 - (3) Research achievement
 - (4) An abstract of either Bachelor’s or Master’s thesis, or equivalent paper in Japanese or English within 600 words.
 - (5) A letter of recommendation, by the dean or head of the applicant’s affiliated institution. This letter is addressed to the president of Tokyo University of Agriculture and Technology. Please use the envelope issued by your university and an official seal of your university.
 - (6) A certification that shows the applicant’s birth, nationality, citizenship, or residence in the applicant’s home country such as a transcription of domiciliary register or a proof of citizenship.
 - (7) Original academic transcript issued by the last university attended (undergraduate or graduate school.)
 - (8) Original diploma or certificate for (prospected) graduation issued by the last university attended (undergraduate or graduate school), indicating the degree conferred. (Diploma will be returned.)

- (9) Original of the academic certificate of the last university attended showing the GPA or the ranking which the applicant has been awarded within his or her class (e.g. Xth out of Y students.)
- (10) Original certificate for language (e.g., TOEFL, IELTS, etc.)
(If the applicant does not have a certificate to prove your language skills, please contact the prospective supervisor as soon as possible.)
- (11) A certificate of health (use enclosed form and this certificate should be obtained within the past 6 months before the submission.)
- (12) A photocopy of passport (If you have already your passport. The pages where the name and the photograph can be identified)

3) Remarks

- i) All the documents should be typewritten in either English or Japanese and printed two-sided in A4 size with enclosed form. (In the case the document is not English or Japanese, please attach the translation in English or Japanese with it.)
- ii) The submitted documents will not be returned.
- iii) All documents should be correctly completed and submitted before the deadline. Documents submitted after the deadline and incomplete applications will not be accepted.
- iv) The documents and forms are subject to change.

4) Screening and aim of this program

- i) Candidates recommended by TUAT will pass through MEXT selection and the results will be notified to TUAT.
- ii) The prospective supervisor of our Graduate School of Bio-Applications and Systems Engineering (BASE) will inform the candidates of the results by July 2021.
- iii) Classes and instructions are given mainly in English and this program offers a Doctor of Engineering, a Doctor of Agriculture, or a Doctor of Philosophy in 3 years. The enrollment identification is a full time doctoral course student.

5) Allowance

The scholarship duration for MEXT Scholarship recipients is twenty-four (24) months from October 2021.

The amount of the monthly stipend for 2021 is yet to be determined. For reference, the monthly amount for 2020 scholarship was JPY 148,000/month (This amount is subject to change each year depending on the fiscal budget, prices, etc.).

The scholarship will not be paid to a recipient who is on a leave of absence or absent for a long period from his or her university. The scholarship will be cancelled in the following cases:

- i) If any portion of the recipient's application documents is found to be falsely stated.
- ii) If the recipient is in breach of his or her pledge made to the Minister of MEXT.
- iii) If the recipient violates Japanese laws and regulations and is imprisoned for more than a year.
- iv) If the recipient is subjected to a disciplinary action or expulsion by his or her university.
- v) If it is determined that the recipient will not be able to complete his or her course within the standard course term because of his or her poor academic achievement or suspension.
- vi) If the recipient changes his or her resident status of "Ryuugaku (student) ," without obtaining a new resident status of "Ryuugaku (student) ," to any other status.

- vii) If the recipient receives another scholarship (except for a scholarship designated for research expenses).
- viii) After admission, if the recipient advances to higher courses without approval of extension of the scholarship grant period.
- ix) If the recipient leaves the host university or transfers to another graduate school.
- x) If the recipient's annual academic grade point is less than 2.30 or the grading standard set by the university.

6) Traveling costs

- i) Transportation to Japan: Recipients will be provided, according to the itinerary and route designated for them by MEXT, with an economy class air ticket from the international airport closest to their place of residence to Narita International Airport (or an international airport the recipient's host university normally uses).
Recipients will have to shoulder expenses such as domestic transportation from their place of residence to the nearest international airport, passenger service facilities charge (PSFC), airport taxes, special taxes on overseas travel and domestic travel expenses in Japan (basically the recipient's place of residence should be the current address stated in the application form). Moreover, an air ticket will not be provided if the recipient travels to Japan from a country other than that of his or her nationality.
- ii) Transportation from Japan: Upon application, recipients who wish to return to their home country within the last-payment month of the scholarship will be provided with an economy class air ticket for a flight from Narita International Airport (or an international airport the recipient's university normally uses) to the international airport closest to their place of return.
- iii) Travel expenses for transportation from their place of residence in Japan to the nearest international airport, airport tax, airport use fee, special tax required for travel, travel expenses within nationality (including aircraft transit costs), travel insurance fee, carrying expenses related to goods and unaccompanied baggage will be borne by the international students. In addition, if you return home before the end of the scholarship period due to your own reasons or "5) Allowance i-x" above, you will not receive a return trip fee.
- iv) Recipients should bare the cost of travel insurance for their travels to/from Japan.
- v) If you continue to stay in Japan after the scholarship period ends (for example, advancement or employment in Japan), travel expenses for temporarily returning home will not be paid.

7) Educational expenses

Tokyo University of Agriculture and Technology will bear the entrance examination fee, entrance fee, and tuition fee.

8) Expenses necessary at the time of enrollment

- i) School fees including the entrance examination fee, entrance fee, and tuition fee will not be charged.
- ii) The Students Education and Research Accident Insurance insures students against unforeseen accidents and injuries (but not illnesses) in curricular and extracurricular activities. The expense is JPY 2,600 for 3 years.
- iii) The Student Liability Insurance Program provides compensation in the event that the student injures another person or damages another person's property during the regular course, internship, volunteer activities, off-campus research (surveys, tours, training), museum curator training, or extracurricular activities (such as overnight field trips and expeditions).

The cost of this insurance is JPY 5,400 for 3 years. A member fee for the University Co-op of JPY 5,000 is also required but will be reimbursed at the end of the Master's program. (*The costs of the insurance fee and the member fee for the University Co-op are subject to change.) All the enrolling students are required to join the Student Liability Insurance Program in addition to the Students Education and Research Accident Insurance.

Privately Financed International Students

1. Applicants

Doctoral course-level international applicants who will come to Japan or are residing in Japan and wish to obtain a doctoral degree from our Graduate School of Bio-Applications and Systems Engineering (BASE).

2. Nationality

No nationality requirements.

3. Age

No restriction.

4. Academic background

Applicants must be a graduate of a Japanese university or have academic abilities equivalent to or greater than those of a Japanese university graduate. Eligible applicants other than those who have graduated from Japanese universities are defined as follows:

- 1) 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 September 2021.
- 2) Applicants must have been recognized for having academic ability equivalent to a postgraduate's degree or a specialized field through individual admission screening, and must be 24 years of age at the time of 1 October 2021.

5. Arrival in Japan

Applicants must arrive in Japan by October 14, 2021.

6. Other remarks

- 1) Admission shall be cancelled if a candidate who expected to graduate failed his/her graduation before the end of September 2021.
- 2) In case the candidate does not meet the "4. Academic background, 1)" requirement, evaluation is required prior to the admission. Please inform your prospective supervisor at our Graduate School of Engineering by January 12, 2021.

Application Procedure

Applicants should submit, via their university or institution, the following documents before January 29, 2021.

(All the applicants must apply after contacting the prospective supervisor of our Graduate School of Bio-Applications and Systems Engineering (BASE) and obtaining approval of acceptance.)

1) Submittal of application

All the documents should be sent by registered mail to the prospective supervisor of our Graduate School of Bio-Applications and Systems Engineering (BASE). (The applicant should contact the prospective supervisor and obtain an acceptance from him or her in advance.)

2) Documents to be submitted

- (1) Application for Admission (use enclosed form)
- (2) ID Photo Card/ Examination Admission Card (use enclosed form)

- (3) Either a graduation certificate or a corresponding certificate issued by the applicant's school indicating that the applicant will be graduating from undergraduate or master's programs, which applicant lately graduated or graduating. A transcript of academic record and a degree certificate of undergraduate or master's programs that is issued by university authorities, which applicant lately graduated or graduating.
- (4) Certificate of Employment (for working adults only)
(Please submit a certificate of employment which includes your job description and period of employment, issued by manager of your institution or company.)
- (5) List of research achievements (prescribed form) and separate related sheets (for working adults only)
(Please submit a list of your past research achievements (academic papers, research presentations, reports, patents, etc.). If there are reprints or copy of the research achievement, submit them together with the list of past research achievements.)
- (6) Proof of nationality and status (one of the following documents must be submitted)
 - A certification that shows the applicant's birth, nationality, citizenship, or residence in the applicant's home country such as a transcription of domiciliary register or a proof of citizenship.
 - A photocopy of passport (If you already have your passport. The pages where the name and the photograph can be identified)
- (7) Entrance examination fee of JPY 30,000
(to be paid by using the prescribed payment form. Applicants outside Japan are advised to refer to their prospective supervisor for details)
- * To be submitted only for the doctoral course ((8) to (10))
- (8) Outline of Master's Thesis (use enclosed form) (other than working adults)
(If you have completed a master's degree or are currently in graduate school, you are required to submit a summary of your master's thesis, up to 2,000 Japanese characters (or 500 English words).)
- (9) Research Proposal (use enclosed form)
(Please submit a summary of your research plan for the doctoral curriculum, up to 2,000 Japanese characters (or 500 English words). Please be sure to contact your potential supervisor in advance regarding formulation of your plan and gain his/her approval.)
- (10) Statement of Purpose (use enclosed form)
- * To be submitted only for the consistent doctoral program ((11) to (13))
- (11) Outline of research results (use enclosed form)
(Applicants who have presented a master's thesis must submit the summary of your past research results. For the summary, use the attached form and write within 2,000 characters in Japanese or 500 words in English.)
- (12) Application Form for Screening of Documents (use enclosed form)
(Fill in your name if you took an academic achievement test. Describe the following 3 items on the application within 400 Japanese characters or 200 English words for each item: (1) your motivation for application; (2) summary of your graduation work (if you do not have graduation research, describe the undergraduate research contents); and (3) future perspective of your research and its relevance to the purpose of this Department)
- (13) Career Plan (use enclosed form)
(Please write up your future vision after the completion of this Department within 1,000 Japanese characters or 250 English words.)

(14) Your photograph of passport size (4.5cm by 3.5cm), showing a clear front–faced, up–from–bust, bare–headed picture, taken within 6 months of the application date. Name and nationality should be printed on the back side. Photograph should be attached to the designated place of the application form.

3) Remarks

- i) All the documents should be typewritten in either English or Japanese and printed in A4 size with enclosed form. (In the case the document is not English or Japanese, please attach the translation in English or Japanese with it.)
- ii) The submitted documents will not be returned.
- iii) All documents should be correctly completed and submitted before the deadline. Documents submitted after the deadline and incomplete applications will not be considered.
- iv) The documents and form is possible to change.
- v) The prescribed payment form for the entrance examination fee can be requested from Admissions Section of Koganei Student Support Office. Please request it early beforehand to avoid being late. After payment, please submit a receipt (right side of the money transfer bill) with application documents.

4) Screening and aim of this special course

- i) The screening will be conducted based on the submitted documents in “IV. Application Procedure.”
- ii) The notification of acceptance will be sent by your preferred supervisor directly by the end of March 2021.
- iii) Classes and instructions are given mainly in English and this program offers a Doctor of Engineering, a Doctor of Agriculture, or a Doctor of Philosophy in 3 years. The enrollment identification is a full time doctoral course student.

5) Expenses necessary at the time of enrollment

- i) Entrance fee of JPY 282,000.
- ii) Tuition fee for the fall semester (Oct. 2021 to Mar. 2022) is JPY 267,900 (JPY 535,800 per year). Tuition fee and entrance fee will be adjusted at any time without notice.
- iii) The Students Education and Research Accident Insurance insures students against unforeseen accidents and injuries (but not illnesses) in curricular and extracurricular activities. The expense is JPY 2,600 for 3 years.
- iv) The Student Liability Insurance Program provides compensation in the event that the student injures another person or damages another person’s property during the regular course, internship, volunteer activities, off-campus research (surveys, tours, training), museum curator training, or extracurricular activities (such as overnight field trips and expeditions). The cost of this insurance is JPY 5,400 for 3 years. A member fee for the University Co-op of JPY 5,000 is also required but will be reimbursed at the end of the Master’s program. (*The costs of the insurance fee and the member fee for the University Co-op are subject to change.) All the enrolling students are required to join the Student Liability Insurance Program in addition to the Students Education and Research Accident Insurance.

III. References for All Applicants

- i) Before arrival in Japan, students are advised to obtain information about climate, customs, manners, and universities of Japan. Please understand that you have to use Japanese in out-of-class life.
- ii) Please refer to the TUAT website for research, education and other details.
(<https://www.tuat.ac.jp/en/>)
- iii) Personal information given on application will only be used in accordance with the privacy policy of the University.
- iv) If you have any inquiry about these application guidelines, please contact the address below in writing.

Postal address:

Admissions Section of Koganei Student Support Office
Graduate School of Engineering
Tokyo University of Agriculture and Technology
2-24-16 Naka-cho, Koganei-shi
Tokyo 184-8588 JAPAN
Fax: +81-42-388-7014

IV. Admission Policy and List of Areas of Education and Research

Admission policy

Based on the purposes of its education, research and human resources development, the Graduate School of Bio-Applications and Systems Engineering seeks the following students who:

The Graduate School of Bio-Applications and Systems Engineering promotes interdisciplinarity and synergy in the field of bio-applications and systems engineering, and accepts a broad range of students without specific requirements for their fields of specialization and academic history. It accepts a broad range of students from throughout the world who are passionate about obtaining advanced specialized and interdisciplinary knowledge, interested in the development of cutting-edge science and technology, and driven to put their ideas into practice.

List of Areas of Education and Research

Graduate School of Bio-Applications and Systems Engineering (BASE)

If your supervisor has a ※mark on the right side of the name, please contact ※supervisor.

Areas of education/research	Supervisor
Functional Designing of Materials	Kenji OGINO, Professor
	Yuichiro NAGATSU, Assoc. Prof.
Functional Application of Materials	Eika W. QIAN, Professor
	Susumu INASAWA, Assoc. Prof.
Functional Analysis of Materials	Yohey HASHIMOTO, Assoc. Prof.
	Kazuya NAKATA, Assoc. Prof.
Biomedical Photonics	Izumi NISHIDATE, Assoc. Prof.
Bio-modeled Sensory Systems	Kaori FUJINAMI, Professor
Environmental Mechanical Systems	Hiroshi ISHIDA, Professor
	Takashi IKEGAMI, Assoc. Prof. ※
Biological and Environmental Application Systems	Yuki UEDA, Professor
	Taiji OKANO, Assoc. Prof. ※
Biomass Production and Utilization Systems	Shinya KAJITA, Professor
	Takeshi SUZUKI, Assoc. Prof.
Material energy systems	Hidehiro KAMIYA, Professor
Material energy design	Yoichi TOMINAGA, Professor
Energy systems analysis	Atsushi AKISAWA, Professor
Biological information measurement systems	Koji MASUDA, Professor
Regulatory systems of biological response	Taishi UMEZAWA, Professor
Ecological environment systems	Koki TOYODA, Professor
Environment monitoring systems	Nobuyuki AKAI, Assoc. Prof. ※

Department of Food and Energy Systems Science

Areas of education/research	Supervisor
Material energy system	Hidehiro KAMIYA, Professor
Material energy design	Yoichi TOMINAGA, Professor
Energy systems analysis	Atsushi AKISAWA, Professor
Biomedical Photonics	Izumi NISHIDATE, Assoc. Prof.
Ecological environment system	Koki TOYODA, Professor
Biological response control	Taishi UMEZAWA, Professor
Functional Analysis of Materials	Kazuya NAKATA, Assoc. Prof.