



**Tokyo University of Agriculture
Graduate School of Agriculture
Department of Agricultural Engineering**

1. Graduate School Code	1a	
2. Area	Agriculture	
3. Research Field	Agricultural Civil Engineering, Agro-machinery, Agro-informatics	
4. Degree	Master in Agricultural Engineering	
5. Standard Timetable (Years needed for graduation)	Starting two-year Master course after passing the entrance exam, followed by one-year Japanese language class at a designated organization with other JISR participants (3 years in total)	
6. Language of Program	(1) Lecture: All lectures in English and Japanese, bilingually (26/26) (2) Text: Mainly English text, but Japanese texts are used partially while English instructions are given orally. (3) Laboratory work: Safety measures and experimental methods are instructed by the supervisor in English. (4) Seminar: Seminars including Japanese students are generally conducted both in English and Japanese, bilingually.	
7. Desirable English Level and Necessary Academic Background	(1) TOEFL PBT:500 IELTS:5.5 (2) At least 16 years of academic background or equivalent	
8. Website	(1) Tokyo University of Agriculture http://www.nodai.ac.jp/english/ (2) Graduate School of Agriculture http://www.nodai.ac.jp/english/graduate/agri/ (3) Department of Agricultural Engineering http://www.nodai.ac.jp/english/graduate/agri/engineering/	
9. Additional Information	Availability	Note
Japanese Language		
(1) Necessity of Japanese language for study	Not necessary	
(2) Availability of Japanese language class	Available	
Facility Information		
(1) Dormitory available for JISR participants	N/A	Single type: Not available Family type: Not available
(2) Prayers room or Mosque	Available	There is one prayers room in the University, also there is a Mosque nearby
(3) Halal food available in cafeteria	N/A	
Others		
(1) Tutor system	Available	

10. Features and Curriculum of Program

Upon arrival in Japan, participants will take Japanese language class at a designated organization with other JISR participants for one year. After that the participants will have to take the entrance examination in July and, if they successfully pass the examination, start their two-year Master's program in October. In order to obtain the Master's degree, every participant must obtain 30 credits and submit a Master's thesis.

In the Department of Agricultural Engineering, you can choose one field from 4 main fields such as 'Regional Resource Engineering', 'Production Environment Information and Planning', 'Structural Engineering' and 'Agricultural Production System Engineering'. Each field provides two lecture classes and one seminar class related to the main field topics. Every participant can obtain 6 credits from them. Also, in the process to advance the research for Master's thesis, you can obtain 12 credits from 'Special Research on Agricultural Engineering' (4 credits) and 'Special Seminar on Agricultural Engineering (8 credits)'. The rest 12 credit can be fulfilled from following elective subjects, 'Water Management and Conservation Engineering', 'Overseas Agricultural Development', 'Soil Physics', 'Advanced Rural Planning', 'Farm Land Environment', 'Material of Construction', 'Method of Construction', 'Advanced Farm Robotics', 'Advanced Agricultural Process Engineering', 'Regional Environment Information Sciences', 'Field Survey', 'Advanced Experiments on Agricultural Engineering', 'Scientific Writing', or 'Scientific Presentation', based on your study interests. You can obtain 2 credits from every elective subject.

11. Professors and Associate Professors

Position	Name	Research Subject/Contact
Professor	MIHARA Machito (Mr.) m-mihara@nodai.ac.jp	Agricultural Civil Engineering (Rehabilitation and conservation of soil and water environment and sustainable use of regional resources)
Associate Professor	NAKAMURA Takahiko (Mr.) ntaka@nodai.ac.jp	Agricultural Civil Engineering (Irrigation system and soil/water quality controlling technologies for high agricultural production, and agricultural waste recycling)
Professor	SHIMADA Sawahiko (Mr.) shima123@nodai.ac.jp	Agricultural Civil Engineering (Environmental monitoring using remote sensing data and GIS)
Professor	WATANABE Fumio (Mr.) f-nabe@nodai.ac.jp	Agricultural Civil Engineering (Effective water usage methods in arid and semi-arid areas)
Professor	SUZUKI Shinji (Mr.) s4suzuki@nodai.ac.jp	Agricultural Civil Engineering (The impact of climate change on hydrothermal region of arable land in each tropical arid and cold regions)
Professor	OKAZAWA Hiromu (Mr.) h1okazaw@nodai.ac.jp	Agricultural Civil Engineering (Developing environmental models of coupled hydrological and biochemical (N.P) cycling at catchment-scale)
Professor	MURAMATSU Yoshiki (Mr.) y-murama@nodai.ac.jp	Agro-machinery (Transport phenomenon in processing and transportation of agricultural products)



12. Academic Schedule

(Reference: 2020/21 Academic year)

Entrance Ceremony: 1 October

First Semester: October -march (Undecided)

Second Semester: April –September (Undecided)

Entrance Examination for graduate school: July (Undecided)

Facilities and Cultural activities for International students: Undecided

13. Facilities and Cultural Activities for International Students

(1) Japanese Language Program

Japanese language program is available.

(2) Healthcare center

Healthcare center is available in campus.

(3) Cultural Tour

Cultural tour will be organized by NODAI Center for Global Initiatives (CGI).

(4) University Library

This library was founded in April 1968, with a total floor area of 4,112 square meters. This is a unique library in that it functions not only as a university library under the National Library Law but also as an excellent audio visual facility, available for research and education. At present, the library has a collection of approximately 600,000 books and journal of book binding and other materials of which about 80% are related to agricultural sciences. The number of periodicals is about 3700 titles, of which about 1200 are serials. In addition, there are 15 different newspapers subscribed by the association, including English language papers and some local papers. In the library, 76 terminals of computers are installed for library users and “IT stand” is equipped where students can bring in their own computers and work. Not only search in University Library but also search in various database outside TUA is accessible through Internet. Information search is possible through a terminal installed in each laboratory on campus.

(5) Center for Global Initiatives

The NODAI Center for Global Initiatives (CGI) has been established in order to promote international activities of the university in the field of research and education. Tokyo University of Agriculture first entered into cooperative relationship with Michigan State University, USA. in 1966, and since then we have gradually expanded global partnerships. As of October 2020, our global partners account for 44 universities in 32 countries and regions, and CGI plays a key role in promoting international activities with these universities in the form of student and faculty exchange programs. In terms of student exchange, CIP provides students with a variety of opportunities such as short-term farm practice programs, long-term student exchange (ten months / one year), language study and overseas farm training. In addition, the



number of international students in the undergraduate and graduate schools has drastically increased and CIP assists them in their academic and daily life.

(6) Computer Center: Organization Educational Division

This division offers courses in Computer Science which are made available to all departments in the University and Junior College. Mainly two courses, Computer Literacy (1) and Computer Literacy (2), are conducted in three computer training rooms which house many personal computers linked to the Educational Local Area Network (ELAN) and connected to the internet. In these courses the introduction to computer science, basic knowledge in data processing is taught, while in the practice of computer science, practical training in programming in computer language is provided with a personal computer linked to the ELAN. The aim of education and practical training is to enable students to use the computer for their graduation thesis research and in their employment after graduation.

14. Information on Job Placement Assistance Service for International Students

Job Placement Assistance Service for International Students have been organizing by Tokyo NODAI Carrier Center.

15. Message for JISR Applicants

In the Department of Agricultural Engineering, a new educational program titled 'Program on Raising Global Academic Leaders in Agricultural Engineering' has initiated since April 2016. The objective of this program is to raise Global Academic Leaders in Department of Agricultural Engineering, Graduate School of Agriculture. The actions are to hold updated English Summer Seminar at the Fuji Farm of Tokyo University of Agriculture, to encourage Master and Ph.D. students to make scientific presentations at international conferences as well as contribution to international journals, and to enhance faculty development through holding workshops.