

The University of Tokyo (National) Graduate School of Agricultural and Life Sciences

◆ Program name

International Program in Agricultural Development Studies (IPADS)

◆ Degrees:

Master of Science

◆ Credit and years needed for graduation:

30 Credits, 2 Years

◆ Address:

1-1-1, Yayoi, Bunkyo-ku, Tokyo,
113-8657, Japan



Features of University <http://www.u-tokyo.ac.jp/en>

In the midst of rapid globalization, the presence of problems that should be tackled by humankind as a whole, including the depletion of natural resources, damage to the environment, energy security, world financial insecurity, poverty, the declining birthrate and aging society, and pandemics emerging from infectious diseases, is becoming ever more apparent. To handle such global-scale issues, it is imperative that we transcend a variety of boundaries, have a wide range of people share their knowledge, and subsequently have them utilize their shared knowledge to cooperate and take action. In other words, collaborative efforts driven by diversity are vital.

The University of Tokyo (UTokyo) was established in 1877 as the first national university in Japan. As a leading research university, UTokyo offers courses in all academic disciplines at both undergraduate and graduate levels and conducts research across the full spectrum of academic activity. The University aims to provide its students with a rich and varied academic environment that ensures opportunities for both intellectual development and the acquisition of professional knowledge and skills.

Since its foundation, UTokyo has contributed to making the knowledge of humankind more diverse. The University has conveyed to the world its unique style of learning that fuses Western with Eastern cultures, earnestly importing Western academic culture while steadfastly adhering to its traditional Eastern roots. We will continue to firmly uphold this tradition as we discover trailblazing ways to utilize the new knowledge we create. Moreover, we will continue to answer the perpetual challenge of contributing to human society by educating talented people who will be able to succeed in a global environment.

Currently, UTokyo is comprised of 10 Faculties, 15 Graduate Schools, 11 affiliated research institutes (including the Research Center for Advanced Science and Technology), 13 University-wide centers, three affiliated libraries and two institutes for advanced study. Furthermore, the Faculties, Graduate Schools and research institutes have facilities associated with them; for instance, the University of Tokyo Hospital is one such facility.

Features of Graduate School <https://www.a.u-tokyo.ac.jp/english/>

Graduate School of Agricultural and Life Sciences was established in 1874 as the nation's Agricultural Training School, and later merged with the University. Today, the School consists of 12 departments and 12 affiliated institutions and programs, covering extremely wide range of fields of research. We study all ecosystems – the arable land, forests, and aquatic environments – occupied by living organisms. The scope of our research ranges from the molecular/cellular level to the ecosystem or the entire global scale. We also follow sociological approaches to elucidate the relationship between human beings, living organisms, and the environment at global scale.



While it goes without saying that scientific pursuits will further enrich the store of knowledge, the fruits of our

research should directly lead to the betterment and prosperity of the human beings. The most pressing challenge in the first half of this century is a shift towards a sustainable society. Our mission is to contribute to resolve this problem. Our efforts are aimed at scientific advancement in the fields of food production, environment, and life sciences, and educating individuals who will contribute to the next generation of research, policymaking, and social activities.

The scope of our activities is spread across the globe. The Graduate School has signed international exchange agreements with 50 of the world's leading universities across Asia and around the world and is carrying out ongoing academic exchanges and collaborative research. As of May 2021, 358 international students are registered in the Graduate School. Our Graduate School consists of 12 departments and 12 affiliated institutions with advanced research capacity in diverse fields with global standards.

The international students at the Graduate School are expected to experience world-class research on the road to finding their career path with high motivation.

Features of the Program <http://ipads.a.u-tokyo.ac.jp>

About the Program:

At the Graduate School of Agricultural and Life Sciences, we are committed to serving the global society through our education and research programs dedicated to sustainable provision of food and ecosystem services. As one of Asia's leading agricultural schools, we take pride in the quality of our experienced and internationally recognized staff, who engage in innovative teaching as well as groundbreaking research.

Inaugurated in the academic year 2010/2011, International Program in Agricultural Development Studies (IPADS) is an English-language MSc and PhD Program at the Graduate School of Agricultural and Life Sciences, the University of Tokyo. Issue-oriented rather than methodology-oriented, this exciting international program offers its candidates the opportunity to develop the requisite expertise across discipline and country boundaries to tackle agricultural and environmental problems in developing countries around the world. Graduates will be well-equipped to make a difference in the modern globalized industry of agriculture.

Perspectives:

A diverse range of career opportunities is available to graduates. Upon successful completion of IPADS, students can expect to pursue a career in:

- academia
- government agencies
- international organizations
- international NGOs
- environmental consultancy
- developmental consultancy
- commodity trade
- rural finance
- farming industry

Graduates with excellent academic and research records may also have an opportunity to enter the School's doctoral program.

Admission Requirements:

To be admitted into IPADS, applicants must:

- hold a Bachelor's degree or equivalent from a recognized institution
- have a very high level of English proficiency, as demonstrated by their TOEFL or IELTS score
- possess an excellent academic record and sound plan for their Master's research
- have secured enough funds to support themselves and families for two years (e.g., scholarships)
- be in good health

IPADS is open to applicants from all countries and regions.

You can visit our web page for the details (<http://ipads.a.u-tokyo.ac.jp/>).

The academic year at IPADS begins in October each year. Typically, students complete the coursework component of the program within their first six months whilst designing and preparing for their original research, and then engage in full-time research for the remaining 18 months. Throughout the program, students are actively involved in the School's research community, participating in weekly seminars, thematic workshops, and academic conferences. Credit points for the research component of the program are awarded for these activities, which are designed to build a foundation to write a high-quality Master's thesis. With the program coordinator's prior approval, students can enroll in other subjects offered at the University in lieu of one or more of the above subjects.



The research component of the MSc program is conducted under the supervision of one or more of the School's faculty. Students have opportunities to work with suitable members of staff to satisfy their own requirements and research interest. Research topics currently being undertaken at the School include, but are not limited to:

Plant Science	Agroinformatics
Plant Material Science	Forestry
Plant Biotechnology	Fisheries
Economics	Environmental Science
Animal Science	Soil Science
Food Science	Ecology



Necessary Curriculum to Obtain the Degrees

<http://ipads.a.u-tokyo.ac.jp/academics/courses/>

IPADS is a two-year coursework and research program towards the University of Tokyo's MSc degree. To graduate, students must satisfactorily gain 30 credit points from the subject list below and pass the defense of their Master's thesis. Subjects with an asterisk are compulsory. Please refer to the web page for the newest information of the lectures

- IPADS Case Studies (*)
- IPADS Crop Management (*)
- IPADS Development Studies (*)
- IPADS Research Seminars I (*)
- IPADS Research Seminars II (*)
- IPADS Master's Research (*)
- IPADS Introductory Course
- IPADS Food Resources
- IPADS Food Science
- IPADS Plant Molecular Physiology
- IPADS Plant Biotechnology
- Sustainability and Crop Production
- International Forest Development

- IPADS Animal Science
- IPADS Global Fisheries: Science and Policy
- IPADS Global Fisheries: Science and Economics
- IPADS Environmental Science
- IPADS Economics: Quantitative Economics I
- IPADS Economics: Quantitative Economics II
- IPADS Statistics
- IPADS Guest Seminars
- Practice in International Agricultural Development
- IPADS Soil Fertility Management
- IPADS Soil Science
- IPADS Plant Improvement
- Forest Insect Ecology
- IPADS Economics
- IPADS Crop Science
- IPADS Coastal Ecology
- IPADS Environmental Policy

Subjects with * are compulsory.

List of faculty members

<http://ipads.a.u-tokyo.ac.jp/about/people/faculty-2/>

<u>Yoichiro KATO, Professor</u>	Plant Science
<u>Saneyuki KAWABATA, Professor</u>	Plant Science
<u>Toru FUJIWARA, Professor</u>	Plant Science
<u>Akihiko KAMOSHITA, Professor</u>	Plant Science
<u>Kae MIYAZAWA, Associate Professor</u>	Plant Science
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<u>Takuya AKIYAMA, Associate Professor</u>	Plant Material Science
<u>Satoshi KUBO, Associate Professor</u>	Plant Material Science
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<u>Hiromi NAKANISHI, Associate Professor</u>	Plant Biotechnology
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<u>Takeshi SAKURAI, Professor</u>	Economics
<u>Katsuhiro SAITO, Professor</u>	Economics
<u>Kentaro KAWASAKI, Associate Professor</u>	Economics
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<u>Yasunobu MATSUMOTO, Professor</u>	Animal Science
<u>Hideki ENDO, Professor</u>	Animal Science
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<u>Tetsuya ARAKI, Associate Professor</u>	Food Science
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<u>Naoto KAMATA, Professor</u>	Forestry
<u>Kenji FUKUDA, Professor</u>	Forestry
<u>Tamotsu SATO, Professor</u>	Forestry
<u>Toshiaki OWARI, Associate Professor</u>	Forestry
<u>Takuya HIROSHIMA, Associate Professor</u>	Forestry
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<u>Nobuyuki YAGI, Professor</u>	Fisheries
<u>Shuichi ASAKAWA, Professor</u>	Fisheries
<u>Marcy N. WILDER, Professor</u>	Fisheries
<u>Tomohiko KAWAMURA, Professor</u>	Fisheries
<u>Yutaro SAKAI, Associate Professor</u>	Fisheries
<u>Hiroe ISHIHARA, Associate Professor</u>	Fisheries (Environmental Sociology)
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<u>Taku NISHIMURA, Professor</u>	Soil Science
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<u>Mitsuo YAMAMOTO, Associate Professor</u>	Environmental Science
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<u>Toshiya OKURO, Professor</u>	Ecology
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Academic Schedule

<https://ipads.a.u-tokyo.ac.jp/academics/academic-calender/>

Academic Year 2022 Schedule of the Graduate School of Agricultural and Life Sciences (Reference)

Date	Events
October 1, 2022	Enrollment Ceremony
October 3, 2022	A1 Term Courses Begin
October 3 – October 14, 2022	Course Registration Period for A1, A2, & W Terms
November 28, 2022	A1 Term Courses End
November 29 2022	A2 Term Courses Begin
December 28, 2022 – January 3, 2023	Winter Break
January 30, 2023	A2 Term Courses End

January 31, 2023	W Term Courses Begin
February 22, 2023	W Term Courses End
February 23 – March 31, 2023	Spring Break
Early April, 2023	S1 Term Courses Begin
Early to Mid-April, 2023	Course Registration Period for S1 & S2 Terms and SP
Early June, 2023	S1 Term Courses End
Early June to Mid-September, 2023	Summer Break

Facilities

- Office for International Cooperation and Exchange (OICE)
International student support services within the Graduate School of Agricultural and Life Sciences. Please refer to the website:
<http://www.a.u-tokyo.ac.jp/english/oicehp-e>
- University Accommodations
Safe and clean accommodations managed by the university. Please refer to the website:
<http://www.u-tokyo.ac.jp/en/administration/housing-office/>
* Due to the variable demand for the university accommodations, we cannot guarantee that all admitted students are offered a room
- Center for Japanese Language Education
Free Japanese lessons for international students and their families. Please refer to the website.
http://www.nkc.u-tokyo.ac.jp/index_e.html
- Sporting facilities
Swimming pools, gyms, exercise classes and sporting fields for almost all sports. Please refer to the website.
http://www.undou-kai.com/goten/index_e.html
- Libraries
Worldwide collection of English books and periodicals, mostly on open shelves. Please refer to the website.
<https://www.lib.u-tokyo.ac.jp/en>
- Health Services
English-speaking services both at the on-campus medical centers and the University of Tokyo Hospital. Please refer to the website.
<http://www.hc.u-tokyo.ac.jp/en/>
- International Student Support Room
Walk-in one stop services at “Support Desk for International Students and Studying Abroad”. Please refer to the website.
<https://www.u-tokyo.ac.jp/adm/inbound/en/support-issr.html>

Message for Applicants

IPADS is the unique program in the University of Tokyo. It offers various lectures related to the bio-based livelihood and society which is the base of the development of the tropical countries in Asia and Africa for 21st century. Agriculture, forestry, and fisheries are not only supplying food but also materials and energy and cash income for the people, and its importance is far more in the rural societies in the developing countries. The concept of development itself is changing nowadays for the recent economic development of the former aid-recipient countries. Now, it is needed to establish the better link between north and south for the sound livelihood for the future.



Joint lecture with University of Bonn

The new paradigm should be not the material or fossil fuel energy based. It should be based on the better use of information technologies and the biological functions and potentialities, which all the technological development should be in the context of pursuing the true benefit and better life of the people. With these new ideas, IPADS is giving top-level education and research for the students from around the world.

IPADS also has conducted a joint education program with the Center for Development Research (ZEF) of the University of Bonn, Germany. The students have various opportunities to study and absorb the lectures by the professors and discuss about the research with the students of at both sides the through this collaboration.

You are most welcome to apply to this program and see you soon at Tokyo.