

Career Development Program on "Food Safety"

KAGAWA UNIVERSITY 2019

(International students)

The Graduate School of Agriculture of Kagawa University (Special Master's Course)

Application Guide

1. Program Objectives

Kagawa University has developed a network of cooperating companies focusing on food and developing food resources overseas, to create the "Career Development Program on Food Safety". Developing "safe foods" requires the creation of a systematic approach that encompasses all aspects of the food industry, such as: training, harvesting, processing, production, distribution and sales. This program nurtures and develops talented, internationally minded people. Graduates will have strong managerial skills and a thorough understanding of management philosophy, as well as a working command of the Japanese language and an understanding of Japanese business culture.

Candidates must make a commitment in writing to seek professional careers in the consortium or participating companies after completion of this two-year Master's Course. Graduates of this program may not directly undertake doctoral or other studies at Kagawa University.

2. Academic Plan

- (1) The Career Development Program on Food Safety is a master's degree program. After completion of all the requirements for this two-year program, candidates will be awarded a master's degree from Kagawa University. Candidates will be required to acquire designated credits from the special course curriculum and achieving a passing score on the Japanese-Language Proficiency Test (JLPT) Level N2 or demonstrating a corresponding level of Japanese language ability.
- (2) Most of the classes, research instruction and guidance are conducted in Japanese.

3. Field of Study

Applicants should refer to the List of academic staff and research fields)in this application guide and select three advisors in order of preference, from first to third.

4. Number of Students

Six [6] international students (maximum of three [3] candidates per university)

5. Qualifications/Entrance Requirements

- (1) Qualifications: Currently enrolled at or have graduated from one of the following universities:

Bangladesh	Sher-e-Bangla Agricultural University, University of Dhaka
Brazil	State University of Londrina
Brunei	Universiti Brunei Darussalam

China	China Agricultural University, Jiangnan University, Nanjing Agricultural University, The University of Hong Kong, Tianjin Agricultural University, Zhejiang Gongshang University, Zhejiang University
United Kingdom	University of Nottingham
Indonesia	Bogor Agricultural University, Diponegoro University, Hasanuddin University, Universitas Gadjah Mada, Semarang State University
India	University of Delhi
Malaysia	Universiti Putra Malaysia
Taiwan	National Chiayi University
Turkey	Middle East Technical University
Thailand	Assumption University, Chiang Mai University, Chulalongkorn University, Kasetsart University, Maejo University, Silpakorn University
United States	Michigan State University, Oregon State University, University of California, Davis, Texas A&M University
Viet Nam	Can Tho University, Hanoi University of Science and Technology, Ho Chi Minh City University of Technology
Philippines	University of the Philippines Los Baños

Students from universities that have an academic exchange agreement with Kagawa University or that have been accepted by the Dean of Graduate School of Agriculture, Kagawa University are also eligible to apply.

- (2) Eligibility: Be a college graduate that will graduate by September 30, 2019 (includes prospective graduates) and completed 16 years of schooling and be recommended by the Dean of their faculty.
- (3) Nationality: International Citizens
- (4) Age: Applicants must be under 35 years old as of April 1, 2019. (Born on or after April 2, 1984).
- (5) Academic Performance:
Applicants must have a minimum average GPA of 2.30 (on a 3-point scale) for the past two years of study.

(Conversion chart)

	Grade				
		A	B	C	F
4-level rating		100 - 80	79 - 70	69 - 60	59 - 0
5-level rating	S	A	B	C	F
	A	B	C	D	F
	100 - 90	89 - 80	79 - 70	69 - 60	59 - 0
Grade Point	3	3	2	1	0

(GPA Formula)

$$\frac{([\text{No. of GP 3 Credits}] * 3) + ([\text{No. of GP 2 Credits}] * 2) + ([\text{No. of GP 1 Credits}] * 1)}{\text{Total Number of Registered Credits (including No. of GP 0 Credits)}}$$

- ※ No. = Number, GP = Grade Point
- ※ Rounded off to the third decimal point
- ※ If the applicants' university does not use a 4-level rating or 5-level rating system, the Admission Committee will calculate GPA in consideration of the university's rating system.
- ※ If the applicants' university does not use the crediting system, the Admission Committee will calculate a GPA by converting subjects taken into credits based on the University's rating system.

(6) Health: Applicants must be physically and mentally healthy enough to study at university.

(7) Language:

- 1) Applicants must be able to communicate well in English and Japanese.
 - 2) Applicants must learn Japanese language before coming to Japan. A level of Japanese language proficiency corresponding to the Japanese-Language Proficiency Test Level (JLPT) N4* or higher is required.
- * Japanese-Language Proficiency Test Level N4 - The ability to understand basic Japanese.
- Reading - One is able to read and understand passages on familiar daily topics written using basic vocabulary and kanji.
- Listening - One is able to listen to and generally understand conversations encountered in daily life provided that they are spoken slowly.

Please refer to the following website: <https://www.jlpt.jp/e/about/levelsummary.html>

To be eligible to be awarded a master's degree from Kagawa University, students must achieve a passing score on the JLPT Level N2 or demonstrate a corresponding level of Japanese language ability. Students should study Japanese as follows.

Period	Japanese language ability
Before coming to Japan	A corresponding level as JLPT Level N4 or higher
December 2019	JLPT Level N4 or higher
July 2020	JLPT Level N3 or higher
December 2020	JLPT Level N2 or higher
July 2021	Achieve a passing score on the JLPT Level N2

- (8) Applicants must demonstrate a strong desire to work at consortium companies or participating companies.
- (9) Visa requirement: Upon acceptance, applicants will be required to acquire a "ryuugaku (Student) visa" prior to coming to Japan.

6. Screening before Application

Submit the following documents according to the procedures below on or before the deadline by E-mail, as applicable, to the Career Development Program on "Food Safety" Project Support Office (address below).

All forms must be filled out in English or Japanese using a typewriter or word processor.

If the original documents are not written in English or Japanese, an English translation must be attached.

[Stage 1, from August 20, 2018 to January 9, 2019]

(1) Application for Admission

(2) Academic record (transcript) issued by the university authority (Certified copy)

The record must specify academic credits and grades for the past two years. All the credits should indicate which academic year that were acquired. If the record does not indicate a grading system of their university, a certified copy of grading system must be attached.

All applicants will be selected based on the submitted documents and an interview. The interview will be conducted face-to-face or through TV conference system, Skype or other method.

(3) Graduation Diploma or Certificate of Expected Graduation issued by the university authority (certified copy)

(4) Applicants must submit documentation proving the annual income of last year of their guarantor, such as certificate of income tax. Documentation showing the relationship between the applicant and guarantor is required.

Schedule of interview will be announced to all applicants individually by E-mail.

All applicants will be notified the results by E-mail on January 25, 2019.

[Stage 2, from February 1, 2019 to February 15, 2019]

Only applicants that have successfully passed Stage 1 will be invited to participate in Stage 2.

An interview will be conducted through a TV conference system, Skype or other method focusing on the proposed research work, Japanese and English language ability, and a comprehensive understanding of the Career Development Program on "Food Safety".

All applicants will be notified the results by E-mail on February 18, 2019.

7. Application Procedure

Submit the following application documents by March 1, 2019 by Express Mail Service (EMS) to Career Development Program on "Food Safety" Project Support Office (address below).

All forms must be filled out in English or Japanese using a typewriter or word processor.

If the original is not written in English or Japanese, an English or Japanese translation must be attached.

[Procedure, from February 19, 2019 to March 1, 2019]

Documents	Remarks
(1) Application form	Use the prescribed form.
(2) Field of study and research program	Use the prescribed form. All applicants are required to be in close contact with the prospective academic advisor of their choice, and the research proposal must be made in consultation with the prospective advisor.
(3) An abstract of the applicant's graduation thesis	Submit if the applicant has written thesis (A4, 2-3 pages.)
(4) Graduation Diploma issued by the	The document must specify graduation date or

university authority or an official form showing that the candidate is expected to graduate (Certified copy)	the expected date of graduation.
(5) Certificate of employment	If the applicant has employed. (Excluding internships and part-time employment).
(6) Academic record (Transcript) issued by the university authority	Official Transcript - copies will not be accepted.
(7) Certificate of citizenship issued by relevant authorities	Certified copy
(8) Japanese Language Proficiency Test Certificate or a certificate for Japanese language studies and evidence of proficiency	Photocopy
(9) English language proficiency test certificate (e.g., TOEFL, TOEIC)	Photocopy
(10) Copy of the applicant's passport	Photocopy
(11) Three 4.5×3.5cm photographs, hatless, showing the full face and upper torso, taken within 6 months of application.	The applicant's name and nationality written on the reverse side. One photograph should be pasted to the application form, as indicated.
(12) Pledge	Use the prescribed form.
(13) A dean's letter of recommendation	Recommendation letter from the dean of the current university or the last university attended.
(14) Certificate of Health issued within 6 months of application	Use the prescribed form.
(15) Entrance examination fee: 30,000 yen (one-time fee)	Pay to the specified account by bank remittance.
(16) Other documents may be necessary; the Admission Committee will inform the applicants as required.	Follow the Admission Committee's instructions.

All applicants will be selected based on the submitted documents and the research program.
All applicants will be notified the result by EMS on March 8, 2019. (Date may change)

Agenda	Selection Procedure
July 13, 2018	Application Guide 2019 is available.
August 20, 2018 – January 9, 2019	Application period (E-mail) for Preliminary selection (Stage1)
August 20, 2019 – January 23, 2019	Preliminary selection (Stage1)
January 25, 2019	Announcement of Preliminary selection results by E-mail (Stage1)
February 1, 2019 – February 15, 2019	Preliminary selection (Stage2)
February 18, 2019	Announcement of Preliminary selection results by E-mail (Stage2)
February 19, 2019- March 1, 2019	Consultation with prospective advisor about research proposal
February 19, 2019- March 1, 2019	Application period for Application for admission (EMS)
March 4, 2019 - March 6, 2019	Final selection
March 8, 2019 (Date may change)	Announcement of Final selection results (EMS)

8. School Fees

Candidates are required to pay the entrance examination fee, the admission fee and the tuition fees.

Candidates can apply for an admission fee reduction and a tuition fee waiver. For details, please contact the Project Support Office.

- i) Entrance examination fee: 30,000 yen (one-time fee)
- ii) Admission fee: 282,000 yen (one-time fee)
- iii) Tuition fee: 535,800 yen (per year for two years)

If the fees are changed during the period of enrollment, the new fees will apply.

9. Enrollment Date

October, 2019

10. Scholarship

Following Scholarships may be available and depend on the candidates' individual situation (Please contact the Project Support Office). Candidates will be informed about how to apply before or after enrollment at Kagawa University.

e.g. Scholarships from consortium companies

Kagawa University International Exchange Foundation Scholarships

Monbukagakusho Honors Scholarship for Privately-Financed International Students

Scholarships by Private Foundations etc.

Kagawa University is scheduled to apply for an allocation for government-financed foreign students (MEXT Scholarship) for this program. If the program is approved by MEXT for allocations, number of government-financed foreign students will be selected from those who have passed the preliminary selection (stage 2). Government-financed foreign students will receive a monthly scholarship of 144,000 yen for 24 months (The monetary amount each year may be subject to change according to MEXT policy). The schedule and number of student are not yet determined.

11. Travel Expenses

Candidates are responsible for travel costs between their home country and the university.

12. Note

- (1) Incomplete documents, or documents arriving at Kagawa University after the deadline, will not be accepted.
- (2) All candidates are advised to learn as much as possible about Japanese culture, customs, climate and Kagawa University before leaving for Japan.
- (3) All candidates must be able to arrive in Japan by October 1, 2019.
- (4) Kagawa University will cooperate with the students by recommending appropriate accommodation facilities.

Inquiries and mailing address

Career Development Program on “Food Safety” Project Support Office

Graduate School of Agriculture, Kagawa University

2393 Ikenobe, Miki, Kita-gun, Kagawa 761-0795, JAPAN

E-mail: agakum5@jim.ao.kagawa-u.ac.jp

FAX: +81-87-891-3022

HP: <https://www.ag.kagawa-u.ac.jp/asiajinzai/english/index.html>

LIST OF ACADEMIC STAFF AND RESEARCH FIELDS			
		Research Fields	
◆ Food Production			
Prof. AGARIE Sakae	Function of Plant Resources	Physiological and molecular biological analysis on plant functions and utilization of plant resources	
agarie@ag.kagawa-u.ac.jp			https://www.ag.kagawa-u.ac.jp/?page_id=21539&t=1195
Prof. TOYOTA Masanori	Crop Ecophysiology	Ecophysiology on yield determination of field crops	
toyota@ag.kagawa-u.ac.jp			https://www.ag.kagawa-u.ac.jp/?page_id=21539&t=1106
Assoc.Prof. MATSUMOTO Yoshiki	Animal Science	Neurobiological aspects on Animal production science	
myoshiki@ag.kagawa-u.ac.jp			https://www.ag.kagawa-u.ac.jp/?page_id=21539&t=1273
◆ Horticultural Science			
Prof. YANAGI Tomohiro	Greenhouse Production	Effect of light quality on plant growth and morphogenesis	
yanagi@ag.kagawa-u.ac.jp			https://www.ag.kagawa-u.ac.jp/?page_id=21539&t=1616
◆ Biological Molecular Chemistry			
Prof. SATO Masashi	Bioactive Natural Products Chemistry	Biologically active natural products and their mechanisms of action	
sato@ag.kagawa-u.ac.jp			https://www.ag.kagawa-u.ac.jp/?page_id=21539&t=1946
Prof. FUKADA Kazuhiro	Biophysical Chemistry & Colloid Science	Physicochemical properties and industrial applications of various types of colloidal systems	
fukada@ag.kagawa-u.ac.jp			https://www.ag.kagawa-u.ac.jp/?page_id=21539&t=1976
◆ Plant Science			
Prof. NOMURA Mika	Molecular Plant Nutrition	Plant-microbe interaction in legume plant	
nomura@ag.kagawa-u.ac.jp			https://www.ag.kagawa-u.ac.jp/?page_id=21539&t=2755
◆ Life Science and Biotechnology			
Prof. SAKURABA Haruhiko	Enzyme Engineering	Molecular biology and biochemistry of extremophiles	
sakuraba@ag.kagawa-u.ac.jp			https://www.ag.kagawa-u.ac.jp/?page_id=21539&t=3131
Prof. WATANABE Akira	Microbial Biochemistry	Molecular biology and biochemistry of mushrooms	
akiraw@ag.kagawa-u.ac.jp			https://www.ag.kagawa-u.ac.jp/?page_id=21539&t=3320
◆ Food Science			
Prof. OGAWA Masahiro	Food Protein Functionality	Biochemical research of food proteins	
ogawa@ag.kagawa-u.ac.jp			https://www.ag.kagawa-u.ac.jp/?page_id=21539&t=3389
Prof. KAWAMURA Osamu	Food Hygiene	Development and application of immunological methods for mycotoxins, and food contamination and human exposure of	
kawamura@ag.kagawa-u.ac.jp			https://www.ag.kagawa-u.ac.jp/?page_id=21539&t=3435
Prof. GOHTANI Shoichi	Food Physics	Rheological properties and texture of foods, and preparation of nano-emulsions for food system	
gohtani@ag.kagawa-u.ac.jp			https://www.ag.kagawa-u.ac.jp/?page_id=21539&t=3459
Prof. TAKATA Goro	Applied Microbiology & Enzyme Chemistry	Molecular biology of sugar related enzyme genes. Production of rare sugars using microbial and enzymatic reactions	
goro@ag.kagawa-u.ac.jp			https://www.ag.kagawa-u.ac.jp/?page_id=21539&t=3536
Prof. TAMURA Hirotoshi	Molecular Nutrition & Chemistry on Food material	Chemistry and molecular nutrition of functional foods including coloring materials and flavor substances	
tamura@ag.kagawa-u.ac.jp			https://www.ag.kagawa-u.ac.jp/?page_id=21539&t=3466

LIST OF ACADEMIC STAFF AND RESEARCH FIELDS

Prof. YOSHII Hidefumi foodeng.yoshii@ag.kagawa-u.ac.jp	Food Engineering	Food engineering encapsulation, Spray drying, Functional food powder https://www.ag.kagawa-u.ac.jp/?page_id=21539&t=3483
Assoc. Prof. MORIMOTO Kenji morimoto@ag.kagawa-u.ac.jp	Applied Enzymology	Applied microbiology and enzymology for production of rare sugars. Production of rare sugars using bioreactor system https://www.ag.kagawa-u.ac.jp/?page_id=21539&t=3591
Assoc. Prof. YOSHIHARA Akihide yoshihara@ag.kagawa-u.ac.jp	Applied Enzymology	Rare sugar (various monosaccharides) production by microbial and enzymatic reactions https://www.ag.kagawa-u.ac.jp/?page_id=21539&t=3631
Asst. Prof. YONEKURA Lina lina.yonekura@ag.kagawa-u.ac.jp	Food Chemistry & Functionality	Bioavailability and metabolism of bioactive compounds https://www.ag.kagawa-u.ac.jp/?page_id=21539&t=12252