



GIP-TRIAD

International Joint Degree Master's Program
in Agro-Biomedical Science in Food and Health



université
de **BORDEAUX**

筑波大学
University of Tsukuba

國立臺灣大學

International Joint Degree Master's Program in Agro-Biomedical Science in Food and Health

Students with a strong volition of **innovation** related to **food and health** are desired.

A unique joint-degree program involving universities in three different countries, bringing a worldwide perspective on the study of Food and Health



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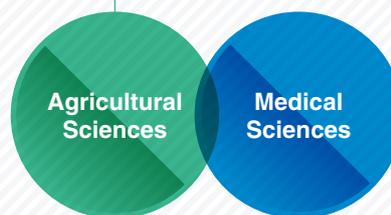
The GIP-TRIAD master's program is the only program that combines Medical and Agricultural Sciences to address issues related to **Food and Health** at an international level.

This master's program is aimed at developing human resources with both a scientific background and an understanding of the business world, taking advantage of the unique collaboration between professionals from a Japanese, Taiwanese and French universities.

A degree awarded jointly by three universities.

Graduates from the GIP-TRIAD are awarded a Master's Degree in Agro-Biomedical Science in Food and Health with a certificate signed by each president of all three universities.

- Food Processing
- Food Science
- Plant Molecular Genetics
- Plant Parasitic Mycology
- Plant Physiology
- Plant Breeding
- Food Security
- Agricultural Economy
- Metabolomics
- Nutrition
- Oenology
- Horticultural Science



- Environmental Medicine
- Global Health
- Microbiology
- Neurophysiology
- Stem Cell Biology
- Molecular Cell Biology
- Stem Cell and Nanobiotechnology
- Signal Transduction
- Virology
- Toxicology

Partners within each university



UNIVERSITY OF BORDEAUX

- INRA-Bordeaux (Green Campus)
- Bordeaux Science Agro
- Agriculture-related Companies etc.



UNIVERSITY OF TSUKUBA

- Health and Medical Science Innovation Laboratory
- Joint-Laboratory for International Joint-Programs
- Tsukuba-Plant Innovation Research Center
- Agriculture and Food-related Companies etc.



NATIONAL TAIWAN UNIVERSITY

- Xitao Experimental Forest
- Nantou Experimental Forest
- Biotechnology-related Companies etc.



Curriculum Overview

Classes are divided into Foundation and Specialized (I and II) Subjects. Foundation Subjects cover the academic basics of Food and Health and the basics of management. In the Specialized Subjects I, students develop their ability to identify and solve problems through practical studies, guided by specialists in the relevant fields. Specialized Subjects II provide expertise in health and food resources. A strong focus is put on practical learning through field activities and internships, with the aim of forming high-level international professionals having the necessary expertise and practical skills to bridge the gap between the world of Research&Development and society.

Enroll	1st Semester University of Tsukuba	2nd Semester National Taiwan University	3rd Semester University of Bordeaux	4th Semester Student's home university	Graduate
Study goals	<ul style="list-style-type: none"> ▶ Proficiency in fundamental skills pertaining to health and food resources ▶ Expertise in assessing the physical advantages and safety of substances ▶ Entrepreneurial mindset and strong management abilities ▶ Advanced English language skills in a specialized context 	<ul style="list-style-type: none"> ▶ Expertise related to health and food resources ▶ Ability to identify and resolve issues in social and natural environments in Asia ▶ R&D and management in Asian companies 	<ul style="list-style-type: none"> ▶ Proficiency in understanding the connections between health and food resources, as well as in evaluating and developing food resources. ▶ Aptitude for identifying and resolving issues in Europe's social and natural environments. ▶ Familiarity with European corporate environments and career advancement opportunities. 	<ul style="list-style-type: none"> ▶ Further deepening of expertise in the research theme ▶ Acquisition of practical skills aligned with career aspirations after graduation 	
Subjects	<ul style="list-style-type: none"> » Foundation Subjects ▶ Introduction of Agro-Biomedical Science ▶ Agro-Biomedical Science Group seminar ▶ Professional project building ▶ English in Medical Science and Technology ▶ Entrepreneurship Training I ▶ Entrepreneurship Training II ▶ Basic Molecular Nutrition » Specialized Subjects I ▶ Basic Toxicology ▶ Agro-Biomedical Science Laboratory Seminar I ▶ Research and Development for Agro-Biomedical Science I (R&D) » Specialized Subjects II ▶ Basic Toxicology ▶ Cancer Biology ▶ Human Pathology and Oncology ▶ Global Issue and Global Society: Environmental Pollution & Health Effects ▶ Health Care Policy and Management ▶ Advanced Course on Global Food Security ▶ Advanced Food System ▶ Metabolomics 	<ul style="list-style-type: none"> » Foundation Subjects ▶ Bio-Entrepreneurship Training » Specialized Subjects I ▶ Agro-Biomedical Science Laboratory Seminar II ▶ Research and Development for Agro-Biomedical Science II ▶ Bio-entrepreneurship Training ▶ Fusion of Field and Laboratory Studies ▶ Internship in Taiwan I » Specialized Subjects II ▶ Cellular Network of Biological Molecules ▶ Contemporary Issues in Global Health ▶ Agriculture in Taiwan ▶ Global Environmental Health Science ▶ Measuring Burden of Disease: Methods and Applications ▶ Food Safety and Health ▶ Applied Translational Microbiology ▶ Biotechnology in Milk Products ▶ DNA Processing in Drugs, Diseases and Health 	<ul style="list-style-type: none"> » Foundation Subjects ▶ Job or Internship Hunting Including Technological Watch » Specialized Subjects I ▶ International Scientific Seminars ▶ Integrative Unit with Omic & Bioinformatic Tools ▶ Field to Laboratory Practices with Data Management & Data Mining » Specialized Subjects II ▶ Water and Food-borne Microbiological Diseases and Dietary Habits in Human Population ▶ Nutrition, Physiological Regulation and Major Human Diseases ▶ Integrating & Advanced Plant Breeding ▶ Nutrition & Health Organization in Europe ▶ Nutrition, Microbiome and Immunity ▶ Impact of Environmental Stresses on Crops Production ▶ Green Biotechnology ▶ Quality of Animal-based Foodstuff 	<ul style="list-style-type: none"> » Specialized Subjects I ▶ Internship for UT Students ▶ Internship for NTU Students ▶ Internship for UB Students » Specialized Subjects II ▶ Specialized subjects related to research theme (as necessary) 	Degree conferral
Learning process	<ul style="list-style-type: none"> [September] ▶ General & first semester guidance ▶ Submission of research plan ▶ Selection of academic advisors (1 main, 2 deputies) ▶ Personal academic guidance and consultation [September – January] ▶ Taking courses (15 credits or more) ▶ Guidance for research [January] ▶ Submission of special subject research theme proposal 	<ul style="list-style-type: none"> [February] ▶ Second semester guidance [February – June] ▶ Taking courses (15 credits or more) ▶ Guidance for research [June] ▶ Submission of special subject research plan 	<ul style="list-style-type: none"> [September] ▶ Third semester guidance [September – January] ▶ Taking courses (15 credits or more) ▶ Guidance for research [November] ▶ Mid-term presentation of the special subject research 	<ul style="list-style-type: none"> [February] ▶ Fourth semester guidance [February – June] ▶ Internship ▶ Summary of the special subject research [February – August] ▶ Submission of a complete comprehensive research report ▶ Selection of examination system ▶ Presentation of the complete comprehensive research ▶ Examination of the complete comprehensive research report, final examination, graduation judgment 	
Achievement level evaluation					

Admissions (For more information, please visit our website.)

» **General Selection Process** (Depending on the results of the August entrance exam, we may conduct the January entrance exam.)

Number of Students to be Admitted	3	Application Forms (In English)	1. Application Form
Testing Location	Tsukuba Campus, University of Tsukuba		2. Curriculum Vitae
Key Dates	Application Period: July Oral Examination: August Announcement of Results: September Matriculation into GIP-TRIAD: September of the following year		3. Reference Card/Photo Card 4. Essay 5. (Expected) Graduation Certificate/Academic Transcript 6. Degree Certificate 7. Letter of Recommendation 8. Documents to Prove English Proficiency

» **Contact** Office of International Joint-Degree Master's Program in Agro-Biomedical Science in Food and Health

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E-mail: gip_info@un.tsukuba.ac.jp TEL: +81-29-853-3228

Open: Monday~Friday, 8:30~17:15 (Lunch Time: 12:15~13:15) <https://www.gip.tsukuba.ac.jp/english/>



GIP-TRIAD HP

About GIP-TRIAD logo mark

we have set the slogan of Global Innovation Joint-Degree Program as a common indicator of three universities in order to establish this department at the same time. GIP-TRIAD indicates the meaning of slogan and the collaboration of Leap to the Future of three universities. Also, the current logo mark was created in accordance with it.

