

International Joint Degree Program with Indian Institute of Technology

We have established a “Joint Degree Program” with the Indian Institute of Technology Guwahati, allowing students to study abroad for a Master's degree in food science and technology. This program is unique in Japan, and encompasses a wide range of research fields such as biotechnology and life science. By studying in an institution that has produced many leaders of global tech companies, students can develop the skills needed to succeed globally. Graduates of this program are actively working in public institutions and global companies.



Joint Degree Program students at Indian Institute of Technology Guwahati



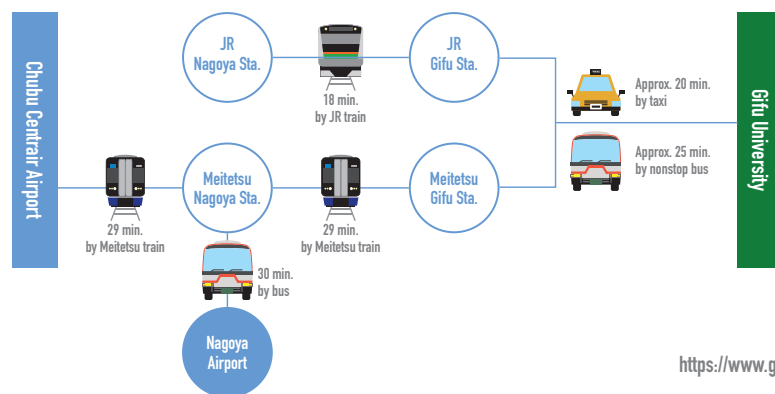
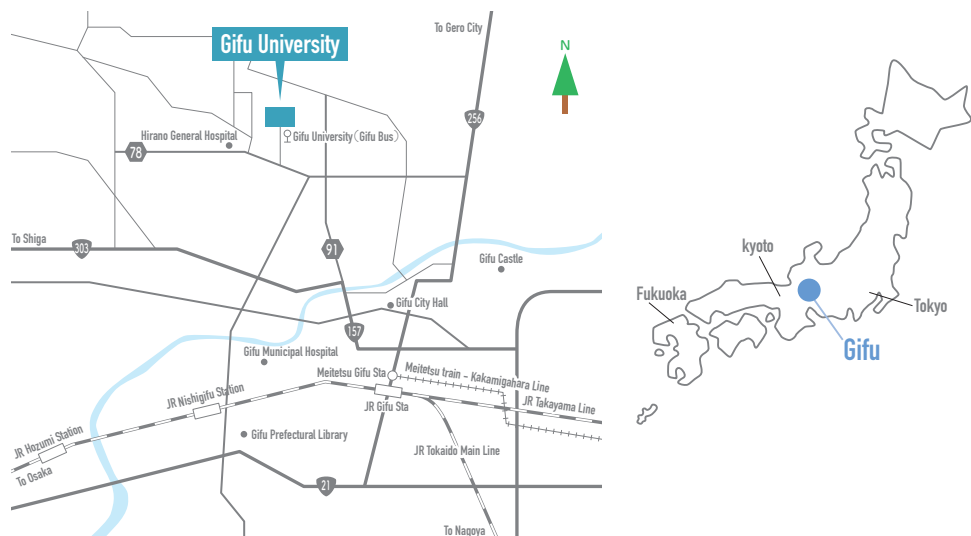
Visit this web site



Tokai National Higher Education and Research System

Gifu University

- Faculty of Education / Graduate School of Education
- Faculty of Regional Studies / Graduate School of Regional Studies
- School of Medicine / Graduate School of Medicine
- Faculty of Engineering / Graduate School of Engineering / Graduate School of Natural Science and Technology
- Faculty of Applied Biological Sciences / Graduate School of Natural Science and Technology**
- School of Social System Management
- Joint Graduate School of Veterinary Sciences
- United Graduate School of Agricultural Science
- United Graduate School of Veterinary Sciences
- United Graduate School of Drug Discovery and Medical Information Sciences

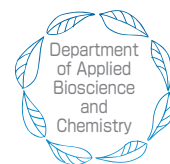


<https://www.gifu-u.ac.jp/en/access/>

Gifu University

Faculty of Applied Biological Sciences

Graduate School of Natural Science and Technology



Faculty of Applied Biological Sciences

Educational Philosophy

The Faculty of Applied Biological Sciences is committed to fostering individuals who are dedicated to contributing to the advancement of society through the practical application of scholarly knowledge in the field of applied biological sciences. This encompasses a wide range of domains, including the development of bio-industries, sustainable biological production systems, ecosystem conservation—including human habitat—and the promotion of harmonious coexistence between humans and animals.

To fulfill this mission, the Faculty seeks students who possess not only a solid foundation in academic knowledge and skills required for university-level education, but also critical faculties such as logical reasoning, sound judgment, effective communication, intellectual curiosity, respect for diversity, and collaborative spirit. These attributes are evaluated through a comprehensive admissions process. Students who demonstrate strong academic motivation and the capacity to engage rigorously with the curricula of the Faculty's four departments may be admitted to one of our departments:

- Department of Applied Bioscience and Chemistry
- Department of Food and Agricultural Science
- Department of Biosphere and Environmental Sciences
- Joint Department of Veterinary Medicine

Educational Objectives

The Faculty pursues the advancement of life sciences, biological sciences, and environmental biological sciences, along with the development of related technologies. Its ultimate objective is to translate these academic and technological achievements into practice, thereby addressing critical issues in bio-industrial development, sustainable biological production, ecological preservation and restoration, and the interrelationship between humans and animals.

In accordance with this vision, the Faculty confers the degree of Bachelor upon students who have acquired a comprehensive and integrative body of knowledge in applied biological sciences and who exhibit the following competencies:

- A well-developed ethical consciousness, enabling sincere and responsible engagement with professional and societal challenges.
- The capacity to independently identify emerging societal issues and respond with initiative and discernment.
- An acute awareness of one's role within society and the ability to collaborate constructively with others.
- Mastery of the theoretical and technological foundations of applied biological sciences, with the competence to apply such knowledge to a diverse array of practical fields including bio-industrial innovation, sustainable biological systems, and the ecological and social dimensions of coexistence between species.
- The ability to make judicious and integrative decisions grounded in broad perspectives, interdisciplinary expertise, and varied experiential learning.
- Proficiency in articulating one's ideas, analyses, and decisions with precision and appropriateness across a range of communicative contexts.



Handbook for International Students



Housing Information



Japanese Government Scholarships Students

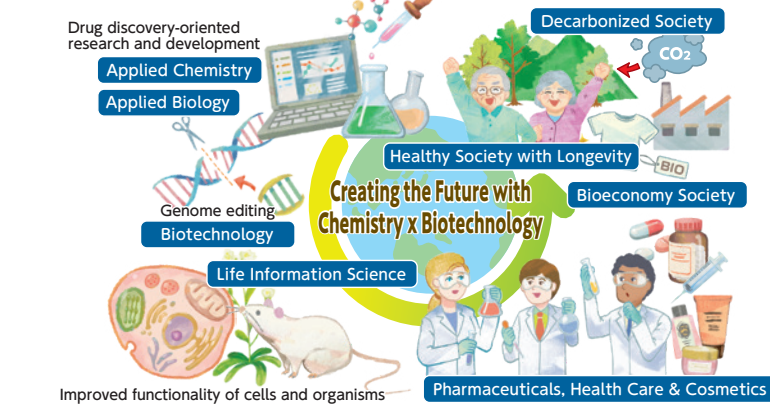


Scholarship for International Students



Creating a New Future through Chemistry x Biotechnology

The Department of Applied Bioscience and Chemistry aims to aid the transformation of society into the sustainable social system of the future through the integration of “chemistry” and “biotechnology”. The course will train students in applied chemistry, advanced chemical technology, and biotechnology, covering all subjects from biomolecules to individual organisms, elucidating the basic principles and building blocks of life as well as the diverse functions and biological phenomena of organisms. Students will gain a deep understanding and broad experience of utilizing these concepts, along with the basic education, scientific literacy, and high ethical standards that form the foundation of the natural sciences.



Main Courses

- Fundamentals of Applied Bioscience and Chemistry and Data Science
- Applied Chemistry from the Aspects of Structure, Properties, and Reactions
- Applied Biology from the Aspects of Plants, Animals, and Microorganisms

Career Prospects

Pharmaceutical, Healthcare, Chemical Industry, Bioindustry, Bioventure, etc.

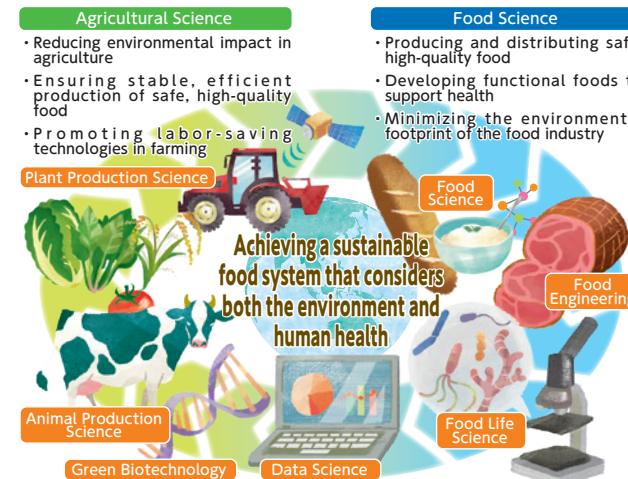
Department of Food and Agricultural Science



Pioneering a Sustainable and Healthy Food Future through Agricultural and Food Sciences

This is a new academic program integrating agricultural and food sciences. It addresses global challenges in food and sustainability. With a strong foundation in life and data sciences, students explore eco-friendly farming, safe and nutritious food production, and innovative solutions for a sustainable future.

We nurture future professionals who will lead the transformation of food systems—from farm to table—while caring for both people and the planet.



Main Courses

- Fundamentals of Agri-Food Life Sciences and Data Science
- Plant Production Science
- Animal Production Science
- Food Science

Career Prospects

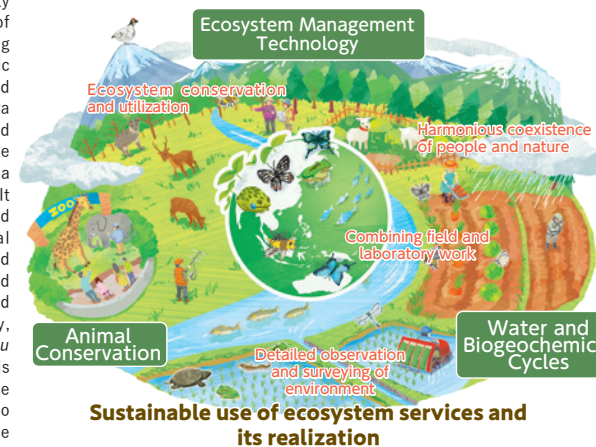
Food Industry, Agricultural and Livestock-Related Industries, Biotechnology Industry, Technical Positions at the Ministry of Agriculture, Forestry and Fisheries (MAFF), etc.

Department of Biosphere and Environmental Sciences



Ecosystem Services-the Application of Water-and Biogeochemical-Cycles, Ecosystem Management, and Animal Conservation.

Department of Biosphere and Environmental Sciences is dedicated to the realization of a sustainable society through the responsible utilization of ecosystem services supporting biodiversity. Grounded in both the basic and applied sciences of biology and ecology—particularly in relation to flora and fauna, ecosystems, and environmental infrastructure—the programs of the department provide a comprehensive scientific foundation. It encompasses the study of global and regional water and biogeochemical cycles, the biological environment and ecosystem dynamics, and advanced technologies for the conservation and sustainable use of biodiversity, including both *in-situ* and *ex-situ* conservation of wildlife. Through this curriculum, students acquire the knowledge and expertise required to contribute meaningfully to the development of a sustainable future.



Main Courses

- Biosphere and Environment-Practical Training and Data Science
- Water Cycle, Biogeochemical Cycle, and Ecosystem Studies
- *In-situ* and *Ex-situ* Conservation of Wildlife
- Biodiversity Conservation and Ecosystem Management (Technologies)

Career Prospects

Agricultural Engineering Enterprises, Zoo, Aquarium, Technical Positions at the Ministry of Agriculture, Forestry and Fisheries (MAFF), etc.

Joint Department of Veterinary Medicine



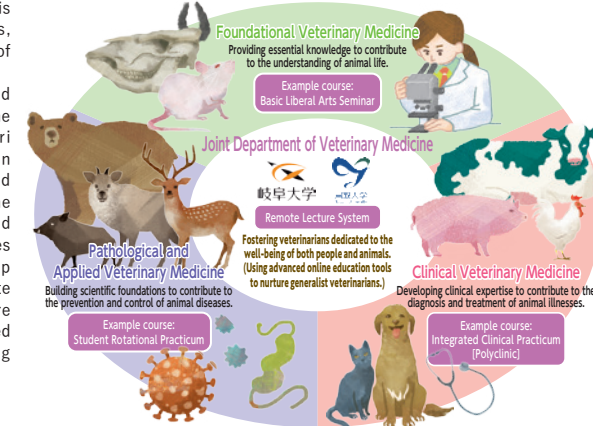
Hands-on Training Using Models

Training Experts in the Health and Well-being of Humans, Animals, and Varied Life Forms

The Joint Department of Veterinary Medicine is dedicated to educating professionals who will advance animal-and public-health, through the veterinary care of a wide spectrum of species. Through a rigorous academic program and comprehensive hands-on training, students acquire the essential knowledge and clinical competencies required for the diagnosis, treatment, and prevention of animal diseases.

Our curriculum addresses the care of both livestock—such as cattle, pigs, and poultry, which are integral to the agricultural industry—and companion animals, including dogs and cats, which enrich human life. In addition to scientific training, we place a strong emphasis on cultivating ethical awareness, critical thinking, and a deep sense of responsibility in our students.

Educational innovation is achieved through close collaboration with the Faculty of Agriculture at Tottori University. Students engage in interdisciplinary coursework and experiential learning that fosters the development of practical skills and professional judgment. This includes joint workshops, small-group foundational seminars that promote communication and animal welfare ethics, and remote lectures delivered via an advanced distance learning system linking both universities.



Featured Courses

- Basic Liberal Arts Seminar (Group-Based Learning)
- Remote Lecture System / Student Rotational Practicum
- Clinical Skills Laboratory / Integrated Clinical Practicum

Career Prospects

Small Animal Clinical Practice, Large Animal (Livestock) Clinical Practice, Pharmaceutical and Biomedical Companies, Research Institutions, Technical Positions at the Ministry of Agriculture, Forestry and Fisheries (MAFF), etc.