



# BIOSCIENCE AND TECHNOLOGY

## Program Activities

- Student orientation
- Regular student-advisor meeting
- Lecturer meeting
- Student challenge activities
- Bioscience trips and research visits
- Teacher day
- English writing and soft-skill training workshops
- Social and environmental activities
- Term-end and year-end parties for students and staffs
- Career interview workshop and alumni meeting

## About Our Program



Bioscience and Technology combines biology and data science which allow us to understand and initiate new concepts and technological innovation in agriculture, agroindustry, biomedical, fishery and life science

### BACHELOR OF SCIENCE

Bioscience and Technology  
(International Program)

Faculty of Science,  
Kasetsart University



### Careers available after graduation

1. Academics, scientists or researchers in biological sciences or related fields
2. Technical experts in private companies
3. Data analysts in biological sciences
4. Science teachers
5. Communicators or writers in biological sciences

## Let's Connect

### Phone

+66-(0)2562-5444 ext 646152



International  
Undergraduate Program

# Bioscience And Technology

**KU** FACULTY OF  
SCIENCE  
KASETSART  
UNIVERSITY คณะวิทยาศาสตร์



# Program Learning Outcomes (PLOs)

1. Communicate knowledge in biological science and technology in oral and written form.



2. Discuss issues of advancement and modern technology in biological science from research and related experiences.



3. Perform assigned tasks using techniques, methods and instruments in biological science and bioinformatics laboratories under relevant research regulations and ethics.



4. Analyze data to solve biological science problems using bioinformatics techniques and programming.



5. Conduct research to solve problems from real situations according to biological science and bioinformatics research methods.



6. Work with others according to assigned roles with systematic processes and creative work environments.

# Program Structure

## Bioscience and Technology

### Year 1

You will be given a general introduction to all aspects of modern science and be encouraged to acquire essential generic skills. In the second semester, you will delve into specialized subjects within biological sciences, such as botany, zoology, and biotechnology.

### Year 2

You will develop your knowledge of fundamental aspects of biological science by continuing to learn about specialized areas such as microbiology, genetics, molecular biology, and biostatistics. Additionally, you will explore various aspects of biological science in agriculture and fisheries, which are crucial for sustainable development in biodiversity-based socioeconomic environments. The program also incorporates 21st-century skills, ensuring that students cultivate creative thinking, entrepreneurship, and sustainable living ideas within these biodiversity-based socioeconomic contexts.

### Year 3

You will explore innovative visions through agro-industrial innovation and biological data science, as well as practical laboratory work. This will provide you with hands-on, interdisciplinary experience in various biological science techniques, including molecular techniques and omics technology, bioinformatics, and computational biology.

### Year 4

In your fourth year, you will engage in a research project, a practicum, and a dissertation. These components can be undertaken in diverse settings such as research units, industries, or organizations, both domestically and internationally. Funding opportunities, including university scholarships and international funding, are available to support practicums and research projects abroad. The program fosters a flexible educational environment with contributions from lecturers, researchers, and facilities across various departments, faculties, and campuses, encompassing Agriculture, Agro-Industry, Fishery, and Science.

