

FACULTY OF AGRO INDUSTRY

BACHELOR OF SCIENCE PROGRAM IN FOOD SCIENCE AND TECHNOLOGY (INTERNATIONAL PROGRAM)

Faculty of Agro-Industry, Chiang Mai University

CHIANG MAI UNIVERSITY



PROGRAM HIGHLIGHTS:

- Builds deep understanding of the sciences of food
- Integrates across multiple disciplines to help students generate new technology and innovation
- Connects students to food companies and other sectors in the food industry
- Offers a PlusOne Program (optional) in Nutrition Science with Deakin University, Australia, to increase students' competitive edge.

INTERNATIONAL PARTNER:



PlusOne Program with Deakin University



BACHELOR OF SCIENCE PROGRAM IN FOOD SCIENCE AND TECHNOLOGY

(International Program)

FACULTY OF AGRO-INDUSTRY CHIANG MAI UNIVERSITY



STUDY PLAN

COURSE AND PROGRAMS (INTERNATIONAL)

Track 1: Bachelor of Science (Food Science and Technology) (International Program)

- Four-year Bachelor's degree, 136 credits at Chiang Mai University

Track 2: PlusOne Program Bachelor of Science (Food Science and Technology) (International Program) and Bachelor of Nutrition Science (Nutrition Science), Deakin University, Australia

- Four-year Bachelor's degree, 136 credits at Chiang Mai University and 24 Deakin Units, at Deakin University, Australia

Year 1

First Semester		Total 21 credits	Second Semester		Total 20 credits
001101	Fundamental English 1	3	001102	Fundamental English 2	3
202101	Basic Biology 1	3	140104	Citizenship	3
202103	Biology Laboratory 1	1	203104	General Chemistry 2	3
203103	General Chemistry 1	3	203108	General Chemistry Laboratory 2	1
203 107	General Chemistry Laboratory 1	1	206108	Elementary Mathematica	3
207 123	Physics for Agro-Industry Students	3	215207	Introductory Microbiology	3
207173	Physics Laboratory for Agro-Industry Students	1	215208	Introductory Microbiology Laboratory	1
204100	Information Technology and Modern Life	3		Learner Person	3
	Learner Person	3			

Year 2

First Semester		Total 21 credits	Second Semester		Total 22 credits
001227	English for Agriculture and Agro-Industry	3	001201	Critical Reading and Effective Writing	3
203206	Organic Chemistry for Non-Chemistry Students	3	211311	Biochemistry 1	3
203209	Organic Chemistry Laboratory for Non-Chemistry Students	1	2113 17	Biochemistry Laboratory 1	1
203226	Physical Chemistry for Non-Chemistry Students	3	601242	Food Processing 1	3
203229	Physical Chemistry Laboratory	1	601341	Fundamental Food Engineering 1	3
208263	Elementary Statistical	3		Innovative Co-creator	3
601231	Food Microbiology	3		Active Citizen	3
601232	Food Microbiology Laboratory	1		Free Elective	3
	Free Elective	3			

Year 3

First Semester		Total 22 credits	Second Semester		Total 22 credits
601344	Food Processing 2	2	601342	Fundamental Food Engineering 2	3
601345	Food Processing Laboratory 1	1	601346	Food Processing 3	2
601351	Food Legislation and Standards	2	601347	Food Processing Laboratory 2	1
601361	Food Chemistry	3	601460	Food Analysis	4
601452	Quality Control and Assurance	3	601471	Food Product Development	3
601453	Laboratory	1	601472	Food Manufacturing Management	3
601462	Human Nutrition Survey and Improvement	3	601496	Work Training	2
601497	Seminar 1	1		Major Elective	3
	Major Elective	3			
	Major Elective	3			

Year 4 (Deakin University: Nutrition Science)

Track 1: Bachelor of Science (Food Science and Technology) (International Program)

First Semester		Total 3 credits	Second Semester		Total 6 credits
	Major Elective	3	601499	Research Exercise Major Elective	3
				Major Elective	3

Track 2: PlusOne Program : Bachelor of Science (Food Science and Technology) (International Program) and Bachelor of Nutrition Sciences (Nutrition Science), Deakin University, Australia

First Semester		Total 3 Deakin Units (DU)	Second Semester		Total 4 Deakin Units (DU)
(Trimester 2 at Deakin)			(Trimester 1 of subsequent year at Deakin)		
HSN204	Food Safety	1 DU	HSN223	Sensory Evaluation of Food	1 DU
HSN302	Population Nutrition	1 DU	HSN301	Diet and Disease	1 DU
HSN305	Assessing Food Intake and Activity	1 DU	HSN300	Food Policy and Regulation	1 DU
HAI010	Academic Integrity (0 credit)	1 DU	HSN319	Consumer and Sensory Innovation of Food	1 DU

Total = 136 credits and 7 DU

ABOUT THE PROGRAM

Bachelor of Science Program in Food Science and Technology (International Program) is aimed to build skilled food scientists with self-motivation and globally oriented vision. Students will learn various aspects of food, including its chemistry, microbiology, physical property, and nutritional aspects. Students will also gain expertise in food processing technology and methodology, as well as in manufacturing management. The program provides hands-on practices in our well-equipped laboratories and pilot plant and interactive learning with expert faculty members and industry partners.

Our program emphasizes high-quality research and innovation with abundant international opportunities for students. Furthermore, students can apply for the PlusOne Program to study Nutrition Science at Deakin University, Australia, to widen their breadth of knowledge and gain career opportunities in the health and wellness industry at an international level.

CAREER OPPORTUNITIES

- Food entrepreneurs/start-ups
- Food scientists
- Researchers and product developers
- Food company consultants and specialists
- Manufacturing or quality control personnel
- Nutritionists/sport nutrition coaches
- Health food manufacturers

TUITION FEE

40,000 THB per semester (Thai students)
60,000 THB per semester (Foreign students)

PlusOne Program:

Single-degree rate for 6 semesters
Deakin University rate for 2-3 semesters
(current rate available at deakin.edu.au)

FOR MORE DETAIL

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More information
(about admission)



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