



FACULTY OF AGRO-INDUSTRY

CHIANG MAI UNIVERSITY

Bachelor of Science Program
in Food Science and Technology
(International Program)

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, Australia





BACHELOR OF SCIENCE PROGRAM IN FOOD SCIENCE AND TECHNOLOGY

(International Program)

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CHIANG MAI UNIVERSITY



COURSE AND PROGRAMS (INTERNATIONAL)

Track 1: Bachelor of Science (Food Science and Technology) (International Program)
- Four-year Bachelor's degree, 126 credits at Chiang Mai University

Year 1

First Semester	Total 20 credits	Second Semester	Total 21 credits
001101 Fundamental English 1 or 001227 English for Agriculture and Agro-Industry	3	001102 Fundamental English 2 or 001208 English for Effective and Creative Communication 2	3
202101 Basic Biology	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
203107 General Chemistry Laboratory 1	1	207123 Physics for Agro-Industry Students	3
206108 Elementary Mathematics	3	207173 Physics Laboratory for Agro-Industry Students	3
601111 Introduction to Food Science and Technology	3	215207 Introductory Microbiology	1
General Education: Digital Literacy	3	215208 Introductory Microbiology Laboratory	1
		- Free Elective	3

Year 2

First Semester	Total 20 credits	Second Semester	Total 18 credits
001227 English for Agriculture and Agro-Industry or 001209 English for Professional and Academic Contexts	3	211311 Biochemistry 1	3
203206 Organic Chemistry for Non-Chemistry Students	3	211317 Biochemistry Laboratory 1	1
203209 Organic Chemistry Laboratory for Non-Chemistry Students	1	601341 Fundamental Food Engineering 1	2
208263 Elementary Statistics	3	601351 Food Legislation and Standards	3
601231 Food Microbiology	1	601354 Food Processing Technology 2	2
601232 Food Microbiology Laboratory	1	601355 Food Processing Technology Laboratory 2	2
601253 Food Processing Technology 1	2	- General Education: Creativity and Innovation	3
601254 Food Processing Technology Laboratory 1	1	- Free Elective	3
- General Education: Entrepreneurial Skills	3		

Year 3

First Semester	Total 13 credits	Second Semester	Total 13 credits
601353 Food Safety and Sanitation for Food Plants	3	601462 Human Nutrition Survey and Improvement	3
601361 Food Chemistry	3	601466 Food Analysis	3
601452 Quality Control and Assurance	3	601467 Food Analysis Laboratory	1
601453 Quality Control and Assurance Laboratory	1	601471 Food Product Development	3
601342 Fundamental Food Engineering 2	3	- Free Elective	3

Year 4

First Semester	Total 12 credits	Second Semester	Total 9 credits
601496 Work Training	2	601499 Research Exercise	3
601497 Seminar 1	1	- Major Elective	3
607321 Management and Decision Strategies for Agro-Industrial Innovation	3	- Major Elective	3
- Major Elective	3		
- Major Elective	3		

Track 2: PlusOne Program Bachelor of Science (Food Science and Technology) (International Program)
and Bachelor of Nutrition Science (Nutrition Science), Deakin University, Australia
- Three-year Bachelor's degree, 120 credits at Chiang Mai University and 8 Deakin Units, at Deakin University, Australia

Year 3

First Semester	Total 20 credits	Second Semester	Total 21 credits
All courses in Track 1	13	All courses in Track 1	13
-	1	-	1
321393 Physiology for Agro-Industry Students	3	601363 Sustainable Food Systems	3
601481 Food and nutrition throughout the Life Stages	3	601496 Work Training	2
601497 Seminar 1	1	601499 Research Exercise	3

Year 4

First Semester	Total 4 Deakin Units (DU)	Second Semester	Total 4 Deakin Units (DU)
(Trimester 2 at Deakin)		(Trimester 1 of subsequent year at Deakin)	
HSN302 Population Nutrition	1 DU	HSN301 Diet and Disease	1 DU
HSN305 Assessing Food Intake and Activity	1 DU	HSN309 Food Policy and Regulation	1 DU
HSN311 Food and Nutrition Practicum	1 DU	- Major Elective (HSN-coded units)	1 DU
- Major Elective (HSN-coded units)	1 DU	- Major Elective (HSN-coded units)	1 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 and food import-export business workers
- Food entrepreneurs
- Food scientists
- College professors and scholars
- Researchers and developers
- Food company consultants and specialists
- Manufacturing or quality control personnel in factories
- Public health nutritionists
- Sport nutritionists

TUITION FEE

50,000 THB per semester (Thai students)
70,000 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

Website:

- <https://www.agro.cmu.ac.th/en>
- www.facebook.com/agrocmu1

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More information (about admission)

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