



## OVERALL OBJECTIVES

The overall objective of the program is to provide multidisciplinary and specialized professional training in food technology, with the emphasis on postharvest and food preservation engineering on the one hand and food science and technology on the other hand, to equip future personnel with the technical and managerial knowledge, skills and attitudes which they require to contribute successfully to solving problems related to food security through the production of safe foods of high quality.

## TEACHING STAFF

The courses are delivered by teaching staff coming from the university network including Vietnam National University of Agriculture, Can Tho University, Nha Trang University, and Hue University who are highly experienced in teaching and research. The lecturers involved obtained their training from different highly ranked universities worldwide. The courses offered, are co-developed with professors from Universiteit Gent and Katholieke Universiteit Leuven who have a long history of MSc and PhD training in the field of food technology.



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To:



## MASTER PROGRAM IN FOOD TECHNOLOGY

The Master program in Food Technology has been constructed through collaborative network between Flemish and Vietnamese institutions including Universiteit Gent, Katholieke Universiteit Leuven, Can Tho University, Vietnam National University of Agriculture, Nha Trang University, and Hue University and under the framework of VLIR Network program. The curriculum of this program has been developed based on benchmarking with other university curricula, especially with the Interuniversity Program in Food Technology jointly offered by Universiteit Gent and Katholieke Universiteit Leuven (IUPFOOD, Belgium) and modified to be appropriate with local conditions.



## CURRICULUM

The curriculum consists of 63 credits including 35 compulsory, 13 optional and 15 research project credits. The optional credits are divided into four different specialized packages including major in fruit and vegetable based products (VNUA), major in animal product technology (HU), major in seafood technology (NTU), and major in cereal technology (CTU).

### Compulsory courses (35 credits)

1. Food microbiology and analysis (3 credits)
2. Food chemistry and analysis (3 credits)
3. Nutrition (2 credits)
4. Applied statistics (3 credits)
5. Food processing (3 credits)
6. Thermal processing of foods (4 credits)
7. Low temperature processing of foods (3 credits)
8. Engineering properties of biological materials (3 credits)
9. Transport phenomena and engineering kinetics (3 credits)
10. Scientific research methodology (2 credits)
11. Internship (3 credits)
12. Sociology of Development (3 credits)

### Optional courses (13 credits)

#### *Major in fruit and vegetable based products (VNUA)*

13. Postharvest technology of fruit and vegetable (3 credits)

14. Fruit and vegetable science and technology (2 credits)

#### *Major in animal product technology (HU)*

13. Dairy science and technology (3 credits)

14. Food fermentation technology (2 credits)

#### *Major in seafood technology (NTU)*

13. Aquatic raw material handling & processing technology (3 credits)

14. Ingredients from aquatic resources for the bio-industries (2 credits)

#### *Major in cereal technology (CTU)*

13. Post-harvest technology of cereals (3 credits)

14. Cereal science and technology (2 credits)

15. Sensory science (2 credits)

16. Food quality and safety management workshop (2 credits)

17. PCM workshop (2 credits)

18. Food packaging (2 credits)

19. Management & marketing in agri-food sector (2 credits)

20. Advanced statistics (2 credits)

### Graduation thesis (15 credits)

## TRAINING LOCATION AND LANGUAGE

**Training duration:** 24 months

**Language:** English

**Location:** Vietnam National University of Agriculture, Can Tho University, Nha Trang University, and Hue University.



## ENROLLMENT INFORMATION

### *Admission requirements*

Engineers and scientists from Asia, Africa etc. must have obtained an academic Bachelor of Science degree in a discipline related to the content of the program from a recognized university, college or institute.

Candidates are expected to have basic science training in at least 3 out of 4 of the following fields:

- (i) mathematics, statistics and physics,
- (ii) chemistry and biochemistry,
- (iii) biology and microbiology, and
- (iv) engineering

English proficiency requirement: candidates having obtained BSc degree from a program where English is not the language of instruction need to have obtained a score of at least 6.0 on the IELTS test (or equivalent).

### *Important dates:*

Submission deadline: August 15, 2021

Selection date: August 30, 2021

Expected date of results: September 15, 2021

Expected enrolment date: October 15, 2021

### **Tuition fee:**

- for students from Vietnam: 63.000.000VND/2 years

- for students from Lao and Cambodia: 77.120.000VND/2 years

- for students from other countries: 92.520.000VND/2 years

**Scholarships:** Each academic year, 5 full scholarships including travel cost, tuition fee, living allowances, medical insurance etc. from the VLIR Network Vietnam program, and 5 additional scholarships given by VNUA covering tuition fee, accommodation, and local health insurance will be granted to qualified students.

### CONTACT US

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