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Master of Science Programme in Food Science for Nutrition (International Programme)

หลักสูตร วิทยาศาสตร์มหาบัณฑิต

สาขาวิชา วิทยาศาสตร์การอาหารเพื่อโภชนาการ

Institute of Nutrition

(หลักสูตรนานาชาติ)(ภาคปกติ)

สถาบันโภชนาการ

Expected number of Students to be accepted year round : 15 Students

#### Admission Requirements

##### A candidate must:

1. Hold or currently studying in the final year of a Bachelor of Science degree in the fields that have organic chemistry course, biochemistry course or physiology course, from an accredited national or international academic institution with a minimum of a 2.5 grade point average
2. Submit a certificate of English proficiency with minimum admission score:
  - IELTS - at least 3 or
  - TOEFL INTERNET BASED - at least 32 or
  - TOEFL ITP (test arranged by Faculty of Graduate Study, Mahidol University) - at least 400 or
  - MU GRAD TEST (COMPUTER BASED) - at least 36

##### Important Notes:

- English proficiency score must be taken within 2 years up to the admission date.
  - Application without submitting a valid English certificate will NOT be considered.
  - MU English Competence Standards: [www.grad.mahidol.ac.th](http://www.grad.mahidol.ac.th)
  - MU English proficiency tests, please contact the Language Center, Faculty of Graduate Studies. Tel. 0-2441-4125 ext. 221-222
3. Applicants may be exempted from the above requirement, on a case by basis, depending upon approval and consent given by the program committee and the Dean of the Faculty of Graduate Studies, Mahidol University
  4. be in good physical and mental health.

**Written Examination** (Applicants must attend the examination date accurately to your admission round.)

<b>Subjects for examination</b>	<b>Time</b> (Morning session)
1. Specific Knowledge in Food Science and Nutrition	9.00 - 11.00 a.m.
<b>Examination Place</b> Mahidol University , Salaya , Nakhonpathom more details : <a href="http://www.grad.mahidol.ac.th">www.grad.mahidol.ac.th</a>	

### Curriculum Structure

	<b>Credit</b>
<b>Pre-requisite Courses</b>	-
Required Courses	20
Elective Courses no less than	4
Thesis	12
	<b>Credit</b>
<b>Pre-requisite Courses</b>	
NUFN663 Food Processing Technology	2(2-0-4)
<b>Required Courses</b>	
NUFN602 Quality Evaluation of Food	1(0-2-1)
NUFN643 Food and Nutrition Activities Field trip	1(0-2-1)
NUFN664 Food, Nutrition and Health	3(3-0-6)
NUFN665 Food and Nutrition Updates	2(2-0-4)
NUFN666 Seminar in Food Science for Nutrition I	1(1-0-2)
NUFN667 Research Methodology in Food Science for Nutrition	2(2-0-4)

NUFN668 Formulation of Nutritional and Functional Foods	2(2-0-4)
NUFN669 Nutritional and Safety Evaluations of Food	2(2-0-4)
NUFN670 Food Processing and Nutrition Quality	3(3-0-6)
NUFN671 Seminar in Food Science for Nutrition II	1(1-0-2)
NUFN672 Quality Systems for Food Industry	2(2-0-4)

### **Elective Courses**

NUFN616 Appropriate Technology of Food Processing	2(2-0-4)
NUFN673 Statistical Analysis for Research in Food Science for Nutrition	2(2-0-4)
NUFN674 Laboratory Practice in Analyses of Carbohydrates and Minerals Proteins and Fats	1(0-2-1)
NUFN675 Laboratory Practice in Determinations of Starch Properties	1(0-2-1)
NUFN676 Laboratory Practice in Analyses of Fats and Oils	1(0-2-1)
NUFN677 Writing for Research Publications in Food Science for Nutrition	1(1-0-2)
NUFN678 Sensory Science for Nutrition	2(2-0-4)
NUFN679 International Academic Experience on Food and Nutrition	2(2-0-4)
NUFN680 Laboratory Practice in Food Analysis Using High Performance Liquid Chromatography	1(0-2-1)

### **Thesis**

NUFN 698 Thesis	12(0-48-0)
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**\* These May Change in Cases Where There are Suggestions for The Improvement of The Curriculum**

### **Additional advantages of the programme**

The Applied Food Knowledge to Nutrition option emphasizes on an integration of food and Nutrition Knowledge and its application in the Production and Development of Foods for Nutrition and Health.

## **Details of Scholarships**

1. Scholarship of the Food Science for Nutrition Program

## **Additional information for applicants**

A Research Concept Paper has been submitted on scheduling the interview for admission. The Research Concept Paper normally contains of the following:

1. Research topic
2. Rationale (Significance of the research, the problem statement, and the important of the results)
3. Objectives (Lists of the main objectives of the proposed research work)
4. Expected outcomes

Research Concept Paper must be in English for two for three pages of A4 paper.

Presentation for the Research Concept (PowerPoint presentation) has to be prepared and presented in English for about 15 minutes.

## **Application Process**

Application is only available via online application at [www.grad.mahidol.ac.th](http://www.grad.mahidol.ac.th)

## **Required Documents**

Applicants must upload all documents via online admission system. All documents must be in PDF format (maximum size 2 MB). Photograph must be in JPEG format

- Recent photographs (1x1 inch in size)
- A copy of an applicant's degree certificate or a letter of graduation certification (for an applicant with a degree completion)
- A letter certifying that an applicant is currently in the final year prior to graduation (for an applicant seeking for a degree)
- A detailed transcript of a degree (for an applicant with a degree completion)
- A grade report with course names and grades received from the first to the current semester prior to graduation
- A copy of identification card
- A copy of house registration certification
- A copy of Certificate of English proficiency :  
IELTS / TOEFL INTERNET BASED / TOEFL ITP / MU GRAD TEST(Computer based)
- A copy of proof of payment.

## **Job option after graduation**

1. Researcher in an academic institution, research facility, food industry, and food service industry
2. Academic in an institution of higher education which provides educational programs related to food science and nutrition, health science, and biological science
3. Consultants to public and private agencies, international agencies, research projects, health promotion units, and food and nutrition-related industries

Further information may be obtained from the Director of Graduate Studies,  
Food Science for Nutrition :

**1. Asst. Prof. Dr. Sitima Jittinandana (E-mail : [sitima.jit@mahidol.ac.th](mailto:sitima.jit@mahidol.ac.th))**

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Floor 4, Institute of Nutrition, Mahidol University, Salaya.  
Tel. 0 2800 2380 ext. 416 Fax : 0 2441 9347

**2. Dr. Nattapol Tangsuphoom (E-mail : [nattapol.tng@mahidol.ac.th](mailto:nattapol.tng@mahidol.ac.th))**

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Tel. 0 2800 2380 ext. 413 Fax : 0 2441 9347

**Program Coordinator**

**1. Miss Nantouchaporn Kongaumnat (E-mail : [nantouchaporn.kon@mahidol.ac.th](mailto:nantouchaporn.kon@mahidol.ac.th))**

Floor 4, Educational Administration Office,  
Institute of Nutrition, Mahidol University, Salaya  
Tel. 0 2800 2380 ext. 420 Fax : 0 2441 9347

**Notes** 1. The program of Food Science for Nutrition requires students to study the prerequisite courses.

- NUFN 663 Food Processing Technology                      2 Credits

2. For more education information : [www.grad.mahidol.ac.th](http://www.grad.mahidol.ac.th)

**For more information please contact The Student Admission Section.**

**Tel . 0 2441 4125 ext. 208-210 , 0 2441 9129, E-mail : [gradthai@mahidol.ac.th](mailto:gradthai@mahidol.ac.th)**