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Master of Science Programme in Nutraceuticals and Functional Foods (International Programme)

หลักสูตร วิทยาศาสตร์มหาบัณฑิต

สาขาวิชา ผลิตภัณฑ์เสริมอาหารและอาหารเพื่อสุขภาพ

(หลักสูตรนานาชาติ)(ภาคปกติ)

Faculty of Pharmacy

คณะเภสัชศาสตร์

Expected number of students to be accepted year round : 5 Students

#### Admission Requirements

candidates must :

1. graduate or currently enroll in the final year of Bachelor of Science in Pharmacy or Pharmacy Programme or Bachelor of Science (Food Science) or other science-related programmes from the academic institutes which were approved by Office of the Higher Education Commission
2. have a minimum grade point average of 2.50 ;
3. have a TOEFL score of at least 480, TOEFL computer-based score of 157, TOEFL Internet-based score of 54, or IELTS score of 4.5 or pass the English Proficiency Examination arranged by the Faculty of Graduate Studies.  
Those who do not have any of the test scores specified above will have to take the English Proficiency Examination of the Faculty of Graduate Studies on the specified examination day.
4. In case your qualification does not match to the admission criteria, candidates must prior attach A Requesting Form for Examination" approved by the program director. The form must be submitted before making the application. Kindly download here:  
[http://www.grad.mahidol.ac.th/grad/admission/form\\_th.php](http://www.grad.mahidol.ac.th/grad/admission/form_th.php)

Exemption from the above conditions may be granted by the Programme Committee under exceptional circumstances.

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

<b>First Round</b> <b>January 17, 2015</b>	
<b>Subjects for examination</b>	<b>Time</b>
1. English	8.30 - 11.30 a.m.
2. General Knowledge	11.30 - 12.30 p.m.
3. Biology	1.30 - 3.30 p.m.
4. Chemistry	
<b>Examination Place</b> Mahidol University , Salaya , Nakhonpathom more details : <a href="http://www.grad.mahidol.ac.th">www.grad.mahidol.ac.th</a> or Announcement at Faculty of Graduate Studies branches.	

## Curriculum Structure

	Credit
Required Courses	19
Elective Courses no less than	6
Thesis	12

	Credit
<b>Required Courses</b>	
PYFC 601 Nutraceuticals I	3(3-0-6)
PYFC 602 Functional Foods I	3(3-0-6)
PYFC 603 Bioactive Compounds	3(3-0-6)
PYFC 604 Food Chemistry	3(3-0-6)
PYFC 605 Product Development of Nutraceuticals and Functional Foods	3(2-3-5)
PYFC 676 Seminar in Nutraceuticals and Functional Foods I	1(1-0-2)
PYFC 677 Seminar in Nutraceuticals and Functional Foods II	1(1-0-2)
PYID 685 Research Methodology in Pharmacy I	2(2-0-4)
<b>Elective Courses</b>	
PYFC 606 Sensory Evaluation Methods	3(2-3-5)
PYFC 607 Biological, pharmacological, epidemiological, and clinical studies	3(2-3-5)
PYFC 608 Nutraceuticals II	3(3-0-6)
PYFC 609 Functional Foods II	3(3-0-6)
PYFC 610 Quality Assurance in the Industries of Nutraceuticals and Functional Foods	3(2-3-5)
PYFC 611 Processing of Functional Foods	3(2-3-5)
PYFC 612 Packaging for Nutraceuticals and Functional Foods	3(3-0-6)
PYFC 613 Marketing Principles and Regulatory Affairs concerning Nutraceuticals and Functional Foods	3(3-0-6)
PYFC 614 Food Microbiology, Food Safety, and Food Quality Control	3(2-3-5)
PYPG 657 Separation Techniques	3(2-3-5)
GRID 603 Biostatistics	3(3-0-6)
<b>Thesis</b>	
PYFC 698 Thesis	12(0-36-0)
<b>* These may change in cases where there are suggestions for the improvement of the curriculum</b>	

### Areas of study that a student may select for concentration:

Researches in Nutraceuticals and Functional Foods covering product developments, analyses of bioactive compounds, biological, and pharmacological activities of bioactive compounds, epidemiological and clinical studies of Nutraceuticals and Functional Foods. Other area of researches include influence of activities in marketing, sales, and advertising of Nutraceuticals and Functional Foods, optimization of regulatory affairs concerning Nutraceuticals and Functional Foods, etc.

**Additional advantages of the programme**

Multidisciplinary knowledge concerning Nutraceuticals and Functional Foods, theoretically and practically, as well.

**Additional information for applicants**

Applicants must have a solid background in science (laboratory-based, preferably in health-related science) in order to be able to succeed in the programme.

**Application Process**

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

**Required Documents**

Prepare the following required documents to submit via online admission system or post :

- Four (2) 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) 2 copies
- A letter certifying that an applicant is currently in the final year prior to graduation (for an applicant seeking for a degree) 2 copies
- A detailed transcript of a degree (for an applicant with a degree completion) 2 copies
- A grade report with course names and grades received from the first to the current semester prior to graduation 2 copies
- A copy of identification card 2 copies
- A copy of house registration certification 2 copies
- A copy of Certificate of English score: TOEFL/IELTS/MU-Test (if any). See detail here: 2 copies

[http://www.grad.mahidol.ac.th/grad/academicinfo/engstandard2553\\_th.php](http://www.grad.mahidol.ac.th/grad/academicinfo/engstandard2553_th.php)

Those who early submit a valid English score prior to the examination will be exempt from English test on the examination date.

- A copy of proof of payment.

Submitting documents via online admission system.

- All documents must be in pdf format (maximum size 2 MB)
- Recent photograph must be in jpeg format only (maximum size 2 MB)

**Job option after graduation**

1. Researcher in the development of Nutraceuticals and Functional Foods.
2. Academic staff in Nutraceuticals and Functional Foods in academic institutions or other organizations.
3. Pharmacist, scientist in the area of production, quality assurance in food plants or pharmaceutical industry, in import/export business of Nutraceuticals and Functional Foods
4. Businessman in the import/export business of Nutraceuticals and Functional Foods.

**Further information may be obtained from the Director of Graduate Studies, Nutraceuticals and Functional Foods:**

1. **Associate Professor Vimol Srisukh (E-mail : [vimol.sri@mahidol.ac.th](mailto:vimol.sri@mahidol.ac.th))**  
Room 7/47 , Rajcharat Building , Floor 7 ,  
Department of Food Chemistry, Faculty of Pharmacy  
Tel: 02-644-8677- 91 ext. 5718 Fax 02-644-8693

**Program Coordinator (temporary)**

1. **Associate Professor Vimol Srisukh** (E-mail : [vimol.sri@mahidol.ac.th](mailto:vimol.sri@mahidol.ac.th))  
Room 7/47 , Rajcharat Building , Floor 7 ,  
Department of Food Chemistry, Faculty of Pharmacy  
Tel: 02-644-8677- 91 ext. 5718 Fax 02-644-8693

**Notes** 1. 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)