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**Master of Science Program in Polymer Science and Technology (International Program)**

หลักสูตร วิทยาศาสตร์มหาบัณฑิต สาขาวิชา วิทยาศาสตร์และเทคโนโลยีพอลิเมอร์(หลักสูตรนานาชาติ)(ภาคปกติ)

Faculty of Science Department of Chemistry

คณะวิทยาศาสตร์ ภาควิชา เคมี

Expected number of students to be accepted all year round : 30 Students

**Qualification of candidates :**

1. hold a Bachelor's degree in Polymer Science and Technology, Chemistry, Industrial Chemistry, Physics, Materials Science, or other degrees with the consent of the Program Committee
2. have a grade point average of at least 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 be required to take the English Proficiency Examination of the Faculty of Graduate Studies on the specified examination date.

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 Program Committee under exceptional circumstances.

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

<u>First Round</u> January 17, 2015		<u>Second Round</u> May 16, 2015	
Subjects for examination	Time	Subjects for examination	Time
1. English	8.30 - 11.30 a.m.	1. English	8.30 - 11.30 a.m.
2. General Knowledge	11.30 - 12.30 p.m.	2. General Knowledge	11.30 - 12.30 p.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> or Announcement at Faculty of Graduate Studies branches.			

## Curriculum Structure

	<b>Credit</b>
Required Courses	16
Elective Courses not less than	8
Thesis	12

	<b>Credit</b>
<b>Required Courses</b>	
SCCH 523 Polymer Chemistry	3(3-0-6)
SCCH 524 Polymer Characterisation	1(1-0-2)
SCCH 596 Polymer Rheology and Processing	2(2-0-4)
SCCH 543 Polymer Physics	3(3-0-6)
SCCH 565 Techniques in Polymer Science	2(0-6-2)
SCCH 588 Polymer Seminar I	2(2-0-4)
SCID 516 Biostatistics	3(3-0-6)
<b>Elective Courses</b>	
SCCH 526 Polymer Modification	3(3-0-6)
SCCH 527 Polymer Colloids	3(3-0-6)
SCCH 597 Advanced Polymer Processing	3(3-0-6)
SCCH 550 Rubber Science and Technology	3(3-0-6)
SCCH 598 Nanomaterials	3(3-0-6)
SCCH 634 Polymer Surfaces	3(3-0-6)
SCCH 635 Polymer Blends and Composites	3(3-0-6)
<b>Thesis</b>	
SCCH 698 Thesis	12(0-36-0)
<b>* These may change in cases where there are suggestions for the improvement of the curriculum</b>	

### The researches of this program will emphasize on

1. Polymer blends and composites
2. Chemistry and technology of natural rubber
3. Polymer syntheses and modifications
4. Polymer Colloids
5. Highly oriented polymers
6. Polymer surface science

## Additional advantages of the Program

The Program emphasizes on both basic and applied researches for industries.

## Details of Scholarships

1. Partial grants supported by RDCTRI
2. Teaching assistantships
3. TGIST scholarships
4. Research assistantship
5. Grants from industrial sectors
6. Scholarship of the 60<sup>th</sup> Year Supreme Reign of His Majesty King Bhumibol Adulyadej.

## 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 :

- Academic records
- Statement of Purpose (in Thai or English) describing academic background, honors or awards received, research background and research interests.
- Letters of recommendation (2-3).
- Two (2) recent photographs (1x1 inch in size)
- A copy of an applicant's degree certificate or a letter of graduation certification 2 copies  
(for an applicant with a degree completion)
- A letter certifying that an applicant is currently in the final year prior to graduation 2 copies  
(for an applicant seeking for a degree)
- 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 2 copies  
semester prior to graduation
- 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

- Scientists and experts
  - Research and development personnel
  - Analysts
  - Quality control or processing specialists
  - Entrepreneurs in polymer science and technology and related fields
- In the field of polymer science and technology  
For government or private sectors.

Further information may be obtained from the Director of Graduate Studies,  
Polymer Science and Technology :

1. Asst. Prof. Panya Sunintaboon (E-mail : [panya.sun@mahidol.ac.th](mailto:panya.sun@mahidol.ac.th))  
Room SC 4-413, SC-4 Building, Floor 4,  
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Tel. : 0 2441 9816-20 Ext. 1138 Fax. : 0 2441 0511

### Program Coordinator

- Mrs. Pimnicha Keawprapan (E-mail : [pim\\_numbuay@hotmail.com](mailto:pim_numbuay@hotmail.com))  
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Tel. : 0 2441 9816-20 Ext. 1115 Fax. : 0 2441 0511

**Note** 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)