

Admission Number

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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 : 10 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 3.00.
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. For those who already hold a valid English score, please submit its certificate along with all application documents

**Curriculum Structure**

	Credit
Required Courses	16
Elective Courses not less than	8
Thesis	12

<b>Required Courses</b>	<b>Credit</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              | 4. Polymer Colloids         |
| 2. Chemistry and technology of natural rubber | 5. Highly oriented polymers |
| 3. Polymer syntheses and modifications        | 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 (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: [http://www.grad.mahidol.ac.th/grad/academicinfo/engstandard2553\\_th.php](http://www.grad.mahidol.ac.th/grad/academicinfo/engstandard2553_th.php) 2 copies
- 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))  
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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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**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)