

Admission Number

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Doctor of Philosophy Program in Polymer Science and Technology (International Program)

หลักสูตร ปรัชญาดุษฎีบัณฑิต สาขาวิชา วิทยาศาสตร์และเทคโนโลยีพอลิเมอร์(หลักสูตรนานาชาติ)(ภาคปกติ)

Faculty of Science Department of Chemistry

คณะวิทยาศาสตร์ ภาควิชา เคมี

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

Admission Requirements

A candidate must:

1. hold a Bachelor's degree in Polymer Science and Technology, Polymer Science, Chemistry, Industrial Chemistry, Physics, Materials Science, or other degrees with an honor grade point average or
2. hold a Master's degree in Polymer Science and Technology, Polymer Science, or other related fields (e.g. Chemistry, Industrial Chemistry, Physics, Materials Science) with a minimum grade point average of 3.50 and
3. have a TOEFL score of at least 500, TOEFL computer-based score of 173, TOEFL Internet-based score of 61, or IELTS score of 5.

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 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

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.
Examination Place Mahidol University , Salaya , Nakhonpathom more details : www.grad.mahidol.ac.th or Announcement at Faculty of Graduate Studies branches.			

Curriculum Structure

	Credit
Plan 2	
For students with Bachelor's degree	
Required Courses	19
Elective Courses no less than	5
Thesis	48
For students with Master's degree	
Required Courses	6
Elective Courses no less than	6
Thesis	36

	Credit
Required Courses	
For students with Bachelor's degree	
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)
SCCH 632 Advanced Polymer Chemistry	3(3-0-6)
SCCH 680 Polymer Seminar II	2(2-0-4)
SCID 518 Generic Skills in Science Research	1(1-0-2)
For students with Master's degree	
SCCH 632 Advanced Polymer Chemistry	3(3-0-6)
SCID 518 Generic Skills in Science Research	1(1-0-2)
SCCH 680 Polymer Seminar II	2(2-0-4)
Elective Courses	
1. For students with Bachelor's degree no less than 5 Credit	
2. For students with Master's degree no less than 6 Credit	
SCID 516 Biostatistics	3(3-0-6)
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 598 Nanomaterials	3(3-0-6)
SCCH 550 Rubber Science and Technology	3(3-0-6)

SCCH 633 Advanced Polymer Physics	3(3-0-6)
SCCH 634 Polymer Surfaces	3(3-0-6)
SCCH 635 Polymer Blends and Composites	3(3-0-6)
SCCH 668 Selected Topics in Polymer Science and Technology	3(3-0-6)
SCCH 600 Current Topics in Polymer Sciences	3(3-0-6)
Thesis	
SCCH 699 Dissertation	36/48(0-108/144-0)
* These may change in cases where there are suggestions for the improvement of the curriculum	

Additional advantages of the programme

This program is designed to produce high quality graduates of international stature dedicated to research and to train personnel who will support the growth and needs of polymer industries in Thailand.

Details of Scholarships

1. Teaching Assistantships.
2. TGIST Grants.
3. Grants from the Royal Golden Jubilee Ph.D. Program.
4. Scholarship of the 60th Year Supreme Reign of His Majesty King Bhumibol Adulyadej.

Application Process

Application is only available *via* online application at 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 2 copies
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)**
Room SC 4-413, SC-4 Building, Floor 4,
Department of Chemistry, Faculty of Science (Salaya).
Tel. : 0 2441 9816-20 Ext. 1138 Fax. : 0 2441 0511

Program Coordinator

Mrs. Pimnicha Keawprapan (E-mail : pim_numbuay@hotmail.com)
Room R2/2, SC-3 Building, Floor 2,
Department of Chemistry, Faculty of Science (Salaya).
Tel. : 0 2441 9816-20 Ext. 1115 Fax. : 0 2441 0511

Note 1. For more education information : 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