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**Master of Science in Pharmacy Programme in Pharmaceutical Chemistry and Pharmaceutical
Phytochemistry (International Programme)**

หลักสูตร เกษัชศาสตรมหาบัณฑิต

สาขาวิชา เกษัชเคมีและเกษัชพฤกษเคมี

(หลักสูตรนานาชาติ)(ภาคปกติ)

Faculty of Pharmacy

คณะเภสัชศาสตร์

Expected number of students to be accepted year round : 10 Students

Admission Requirements

candidates must :

1. be graduated or are studying in the last semester in pharmacy at bachelor degree level from institutions that are endorsed by 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.

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.)

<u>Third Round</u> May 31, 2014	
Subjects for examination	Time
1. English	8.30 - 11.30 a.m.
2. General Knowledge	11.30 - 12.30 p.m.
3. Pharmaceutical Chemistry, Pharmacognosy, Botany	1.30 - 4.30 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
Required Courses	16
Elective Courses no less than	9
Thesis	12

	Credit
Required Courses	
PYID 685 Research Methodology in Pharmacy I	2(2-0-4)
PYID 670 Seminar in Pharmaceutical Chemistry and Pharmaceutical Phytochemistry I	1(1-0-2)
PYID 671 Seminar in Pharmaceutical Chemistry and Pharmaceutical Phytochemistry II	1(1-0-2)
PYPG 651 Pharmaceutical Phytochemistry I	3(2-3-5)
PYPG 652 Pharmaceutical Phytochemistry II	3(2-3-5)
PYPC 657 Drug Design I	3(2-3-5)
PYPC 639 Advanced Pharmaceutical Analysis I	3(2-3-5)
Elective Courses	
GRID 603 Biostatistics	3(3-0-6)
PYPC 658 Drug Design II	3(2-3-5)
PYPC 640 Advanced Pharmaceutical Analysis II	3(2-3-5)
PYPC 650 Reactions in Pharmaceutical Analysis	3(2-3-5)
PYPC 651 Stability of Pharmaceuticals	3(2-3-5)
PYPC 652 Chemistry of Heterocyclic Drugs	3(2-3-5)
PYPC 656 Chemometrics in Pharmaceutical Chemistry	3(2-3-5)
PYPG 649 Development of Medicinal Plants I	3(2-3-5)
PYPG 650 Development of Medicinal Plants II	3(2-3-5)
PYPG 657 Separation Techniques	3(2-3-5)
PYPG 664 Nuclear Magnetic Resonance Spectroscopy	3(3-0-6)
PYPG 668 Applications of Plant Biotechnology	3(3-0-6)
PYPB 600 Traditional Thai Medicine	3(3-0-6)
PYPB 604 Medical Ethnobotany	3(2-3-5)
PYPB 607 Development of Herbal Medicine	3(2-3-5)
PYID 695 Applied Plant Biotechnology in Pharmaceutical Sciences	3(2-3-5)
Thesis	
PYID 698 Thesis	12(0-36-0)
* These may change in cases where there are suggestions for the improvement of the curriculum	

Additional advantages of the programme

The graduates will be knowledgeable and skillful in researches in the areas of pharmaceutical and pharmaceutical phytochemistry for development of synthetic and natural product drug quality.

Details of Scholarships

1. Scholarship of the 60th Year of the Supreme Reign of His Majesty King Bhumibol Adulyadej.
2. TRF-MAG Scholarship from the Thailand Research Fund (TRF)

Detail Other

The applicants should have strong background in both chemistry and botany

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 :

- 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 last semester 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 proof of payment.
- A copy of a medical license 2 copies
- A copy of a work experience certifying letter 2 copies

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. Scholar in university
2. Researcher
3. Industrial pharmacist
4. Hospital pharmacist
5. Pharmacist in Food and Drug Administration

**Further information may be obtained from the Director of Graduate Studies,
Pharmaceutical Chemistry and Pharmaceutical Phytochemistry**

1. Professor. Leena Suntornsuk (E-mail : leena.sun@mahidol.ac.th)

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Program Coordinator

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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**