Master of Science Pharmacy Program in Clinical Pharmacy (International Programme)

Faculty of Pharmacy

Admission Requirements:
Candidates must:
1. Hold a Bachelor's degree in Pharmacy and meet the requirements set by the Faculty of Graduate Studies;
2. Have a minimum grade point average of 2.50;
3. Hold a Pharmacist License issued by The Pharmacy Council of Thailand;
4. Have a TOEFL ITP score of at least 480, TOEFL Internet-based score of 54 or IELTS score of 5 or MU GRAD TEST score of 60.
5. For Clinical Pharmacy course, candidate must obtain Pharmacy Council of Thailand or other Pharmacy License that the Programme Committee considers as equivalent;

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

Curriculum Structure

<table>
<thead>
<tr>
<th></th>
<th>Credit</th>
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<tbody>
<tr>
<td>Required Courses</td>
<td>18</td>
</tr>
<tr>
<td>Elective Courses</td>
<td>6</td>
</tr>
<tr>
<td>Thesis</td>
<td>12</td>
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</tbody>
</table>

**Required Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
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<tbody>
<tr>
<td>PYPY 648 Seminar in Clinical Pharmacy I</td>
<td>1(1-0-2)</td>
</tr>
<tr>
<td>PYPY 649 Seminar in Clinical Pharmacy II</td>
<td>1(1-0-2)</td>
</tr>
<tr>
<td>PYPY 666 Pharmaceutical Care I</td>
<td>3(3-0-6)</td>
</tr>
<tr>
<td>PYPY 667 Pharmaceutical Care II</td>
<td>3(3-0-6)</td>
</tr>
<tr>
<td>PYPY 668 Clinical Pharmacy and Clerkship I</td>
<td>3(2-3-5)</td>
</tr>
<tr>
<td>PYPY 669 Clinical Pharmacy and Clerkship II</td>
<td>3(2-3-5)</td>
</tr>
<tr>
<td>PYPY 670 Special Problems in Clinical Pharmacy</td>
<td>3(0-9-3)</td>
</tr>
<tr>
<td>PYID 685 Research Methodology in Pharmacy I</td>
<td>2(2-0-4)</td>
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</table>

**Elective Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
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<tbody>
<tr>
<td>GRID 603 Biostatistics</td>
<td>3(3-0-6)</td>
</tr>
<tr>
<td>PYPY 623 Drug Use Evaluation</td>
<td>3(3-0-6)</td>
</tr>
<tr>
<td>PYPY 627 Therapeutic Drug Monitoring</td>
<td>3(3-0-6)</td>
</tr>
<tr>
<td>PYPY 644 Drug Information Service</td>
<td>3(3-0-6)</td>
</tr>
<tr>
<td>PYPY 645 Intravenous Drug and Nutrient Admixture</td>
<td>3(3-0-6)</td>
</tr>
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</table>

**Thesis**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>PYID 698 Thesis</td>
<td>12(0-36-0)</td>
</tr>
</tbody>
</table>

*These may change in cases where there are suggestions for the improvement of the curriculum.*
Areas of study that a student may select for concentration:
- Adverse Drug Reaction
- Drug Utilization Evaluation
- Therapeutic Drug Monitoring
- Total Parenteral Nutrition
- Pharmacokinetics and Bioavailability
- Patient Counseling
- IV Admixture
- Drug Information Service
- Pharmaceutical Care Practice

Additional advantages of the programme
The course emphasizes on clinical pharmacy skill which includes both research and practice. All staff are well trained and highly educated. Collaboration with Faculty of Medicine in research and practice is also included.

Proposal / Concept Paper
Applicants who pass the written examination will be invited to an interview. Proposal /concept paper must be submitted on the day of interview. The proposal includes field or area of interest, objective, conceptual framework and expected benefit of the research.

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:
1. Completed an Online Application at www.grad.mahidol.ac.th which comprised with
   Form A : Application Form
   Form B : Background and Proposed Field of Study
   Form C : Recommendation Forms (directly submitted by at least 2 referees)
2. Two copies of Degree Certificate (with officially certified English translation)
3. Two copies of Academic Transcript (with officially certified English translation)
4. Two copies of Recent Photos (Passport size)
5. Two copies of Passport
6. Two copies of English certificate (TOEFL/ IELTS/ MU-Grad Test)

(For Doctoral Program)
- TOEFL ITP score of at least 500, TOEFL Internet-based score of 61, or IELTS score of 5
(For Master’s Program)
- TOEFL ITP score of at least 480, TOEFL Internet-based score of 54, IELTS score of 5 or
  MU GRAD TEST score of 60.

Notes
- Only accept TOEFL ITP score from examination center arranged by Faculty of Graduate Studies, Mahidol University.
- TOEFL ITP taken from other domestic and overseas institutes are invalid.
- The test date must be within previous 2 years before application date.
- Applicant who obtained a valid English score must submit an official score certificate along with your application. Otherwise, your English score will not be considered.
7. Two copies of Curriculum Vitae  
8. Two copies of Statement of Purposes and Career Goals  
9. Two copies of Current bank statement / Scholarship letter (if any)  
10. Two copies of Concept paper / research proposal (recommended for all applicants)  
11. Two copies of additional documents may be requested by each program (such as letter of work experience / professional license/ related certificates and awards)

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. Clinical pharmacist working in hospital or drugstore  
2. Clinical Research Associate  
3. Pharmacist dealing with pharmaceutical products registration  
4. Regulation pharmacist working in Bureau of Food and Drug Administration, Ministry of Public Health  
5. Lecturer

Further information may be obtained from the Director of Graduate Studies, Clinical Pharmacy:

1. Assoc. Prof. Dr. Busba Chindavijak  (E-mail : busba.chi@mahidol.ac.th)  
   Rajaratana Building, 3rd Floor, Department of Pharmacy, Faculty of Pharmacy.  
   Tel: 0 2644 8694 Fax: 0 2644 8694

2. Lect. Dr. Krittika Tanyasaensook  (E-mail : krittika.tan@mahidol.ac.th)  
   Rajaratana Building, 3rd Floor, Department of Pharmacy, Faculty of Pharmacy.  
   Tel: 0 2644 8694 Fax: 0 2644 8694

Program Coordinator  
Miss Phinnaphit Saengpao  (E-mail : phinnaphit.sae@mahidol.ac.th)  
Rajaratana Building, 3rd Floor, Department of Pharmacy, Faculty of Pharmacy.  
Tel: 0 2644 8694 Fax: 0 2644 8694

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 : gradinter@mahidol.ac.th