

Doctor of Philosophy Programme in Phytopharmaceutical Science (International Programme)

Faculty of Pharmacy

Admission Requirements

A candidate must:

1. A candidate must hold a bachelor's degree or studied in the final year of bachelor's degree.
This degree must be in the pharmaceutical sciences or related sciences from the appropriated institute approved by the Higher Education Accreditation Council. The minimum requirements include an undergraduate grade point average not less than 3.50 on a 4.00 scale.
2. For the candidate with master's degree in pharmaceutical sciences or related sciences, the minimum requirements include a graduate grade point average at least 3.50 on a 4.00 scale.
3. Have a TOEFL ITP score of at least 500, TOEFL Internet-based score of 61 or IELTS score of 5.

Exemptions from the above conditions may be granted by the Doctoral Programme Committee and the Dean of the Faculty of Graduate Studies.

Curriculum Structure

Plan 2	Credit
For students with Bachelor's degree	
Required Courses	18
Elective Courses	9
Thesis	48
For students with Master's degree	
Required Courses	9
Elective Courses	3
Thesis	36
	Credit
Required Courses	
For students with Bachelor's degree	
PYPH 676 Seminar in Phytopharmaceutical Sciences I	1(1-0-2)
PYPH 677 Seminar in Phytopharmaceutical Sciences II	1(1-0-2)
PYID 685 Research Methodology in Pharmacy I	2(2-0-4)
PYID 688 Holistic Approach to Health Care	2(2-0-4)
PYID 690 Phytopharmaceutical Analysis	3(1-6-4)
PYID 691 Technology of Phytopharmaceutical Production	3(2-3-5)
PYPG 651 Pharmaceutical Phytochemistry I	3(2-3-5)
PYPB 605 Taxonomy of Medicinal Plants	3(2-3-5)

For students with Master's degree

PYPH 677 Seminar in Phytopharmaceutical Sciences II	1(1-0-2)
PYID 688 Holistic Approach to Health Care	2(2-0-4)
PYID 690 Phytopharmaceutical Analysis	3(1-6-4)
PYID 691 Technology of Phytopharmaceutical Production	3(2-3-5)

Elective Courses

PYID 689 Phytomedicine	3(3-0-6)
PYID 692 Biological Activity Screening	3(2-3-5)
PYID 693 Phytocosmeceuticals	3(2-3-5)
PYID 694 Nutraceuticals	3(3-0-6)
PYID 695 Applied Plant Biotechnology in Pharmaceutical Sciences	3(2-3-5)
PYMI 692 Microbiological Quality Assessment and Control	3(2-3-5)
PYPC 650 Reaction in Pharmaceutical Analysis	3(2-3-5)
PYPC 651 Stability of Pharmaceuticals	3(2-3-5)
PYPG 670 Development of Medicinal Plants I	3(2-3-5)
PYPG 671 Development of Medicinal Plants II	3(2-3-5)
PYPG 655 Chemistry of Natural Products	3(3-0-6)
PYPG 656 Structure Elucidation	3(3-0-6)
PYPG 664 Nuclear Magnetic Resonance Spectroscopy	3(3-0-6)
PYPB 601 Traditional Thai Medicine	3(3-0-6)
PYPM 664 Essentials in Toxicology	3(2-3-5)

Dissertation

PYPH 699 Dissertation	48/36(0-144/108-0)
-----------------------	--------------------

* These may change in cases where there are suggestions for the improvement of the curriculum

Additional advantages of the programme

Development of phytopharmaceutical products from Thai medicinal plants as medicine, cosmetics or health food in Health Care and Spa business, Improvement of Thai traditional medicine.

Details of Scholarships

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

Proposal / Concept Paper

A candidate who passes the written examination must submit an abstract of a concept paper 1 week before the interview examination day. (e-mail : pysks@mahidol.ac.th). On the day of interview examination, the candidate should present a powerpoint about the concept paper to the interview committee within 30 minutes. The interview committee will ask questions about the paper and related materials.

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 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.
- Detail of English Competency Standard for Admission:
<http://www.grad.mahidol.ac.th/en/current-students/language-center.php>

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. Researchers in phytopharmaceutical science.
2. Professional scholars in phytopharmaceutical science.
3. Expert Consultants in phytopharmaceutical science

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

Phytopharmaceutical Sciences :

1. **Asst. Prof.Dr. Nongluck Ruangwises (E-mail : nongluck.rua@mahidol.ac.th)**

Ratcharatana Building, Floor 4,

Department of Pharmaceutical Chemistry, Faculty of Pharmacy

Tel: 0 2644 8677 - 91 Ext. 5406 ,5402

Fax: 0 2644 8695

2. **Assoc. Prof.Dr. Penchom Peungvicha (E-mail : penchom.peu@mahidol.ac.th)**

Room 607 Ratcharatana Building, Floor 6,

Department of Physiolog, Faculty of Pharmacy

Tel: 0 2644 8677 - 91 Ext. 5602,5607

Fax: 0 2644 8703

Program Coordinator

Ms. Suranchana Kaewsatit (E-mail : suranchana.kae@mahidol.ac.th)

Teppharat Building, Floor 1, Faculty of Pharmacy.

Tel: 0 2644 8677 - 91 Ext. 1131

Fax: 0 2354 4326

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**