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Master of Science Programme in Pathobiology (International Programme)

Faculty of Science

Department of Pathobiology

Admission Requirements

A candidate must:

1. Hold a Bachelor's Degree or equivalent in Biological Science or related in Doctor of Medicine, Veterinary Science, Pharmacy, Dentistry, and Medical Technology from the Institute where be approved by Office of the Higher Education Commission, with a grade point average of at least 2.50;
2. Fulfill the entry requirements of the Faculty of Graduate Studies.
3. 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.

Exemptions from the above conditions may be granted by the Program Committee under certain circumstances.

Curriculum Structure

Required Courses	Credit 15
Elective Courses no less than	9
Thesis	12
	Credit
Required Courses	
SCID 503 Systemic Bioscience	3(3-0-6)
SCID 518 Generic Skills in Science Research	1(1-0-2)
SCPA 501 General Pathology	2(1-2-3)
SCPA 601 Cellular Pathology I	2(2-0-4)
SCPA 605 Essential Pathobiology	2(1-3-3)
SCPA 606 Selected Topic in Pathobiology	2(1-3-3)
SCPA 611 Seminar in Pathobiology I	1(1-0-2)
SCPA 612 Seminar in Pathobiology II	1(1-0-2)
SCPA 613 Research Rotation in Pathobiology	1(0-3-1)
Elective Courses	
GRID 603 Biostatistics	3(3-0-6)
SCID 500 Cell and Molecular Biology	3(3-0-6)
SCID 502 Cell Science	2(2-0-4)
SCPA 608 Nutrition Pathology	2(2-0-4)
Thesis	
SCPA 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 curriculum is designed to prepare students for a professional career in pathobiological sciences. Emphasis is on the basic principles and concepts of cell injury, particularly at the cellular and subcellular levels, in addition to changes at the tissue level and the pathogenesis of several diseases such as genetic disorders, cancer, and infectious diseases. After completion of the programme, graduate students will be able to conduct research as well as to teach in a subjects related to pathobiological sciences and related scientific areas.

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.
 - 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

After M.Sc. graduation, the student has several job options in private, governmental and academic sectors for a professional career in the field of pathobiology and related medical sciences as the researcher, scientist or medical scientist.

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

1. Dr. Amornrat Naranuntarat Jensen (E-mail : amornrat.nar@mahidol.ac.th)

Room Pr 218, Pr Building, Floor 2, Department of Pathobiology, Faculty of Science.

Tel. : 0 2201 5579 Fax.: 0 2354 7158

2. Asst. Prof. Dr. Prasit Suwannalert (E-mail : prasit.suw@mahidol.ac.th)

Room Pr 106, Pr Building, Floor 1, Department of Pathobiology, Faculty of Science.

Tel. : 0 2201 5578 Fax.: 0 2354 7158

Program Coordinator

Mrs. Yaovapa Intarapard (E-mail : yaovapa.int@mahidol.ac.th)

Room Pr 106, Pr Building, Floor 1, Department of Pathobiology, Faculty of Science.

Tel. : 0 2201 5550 Fax.: 0 2354 7158

Notes

1. The programme of Pathobiology requires students to study the pre - requisite course:
 - SCID 500 Cell and Molecular Biology 3 Credits
 - SCPA 613 Research Rotation in Pathobiology 1 Credit
2. For more 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**