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Doctor of Philosophy Programme in Pathobiology (International Programme)

หลักสูตร ปรัชญาดุษฎีบัณฑิต

สาขาวิชา พยาธิชีววิทยา (หลักสูตรนานาชาติ) (ภาคปกติ)

Faculty of Science

Department of Pathobiology

คณะวิทยาศาสตร์

ภาควิชา พยาธิชีววิทยา

Expected number of students to be accepted all year round : 3 Students

Admission Requirements

A candidate must:

Plan 1

1. hold a Master's degree in Pathobiology, Pharmacy, Microbiology, Biology, Medical Technology or equivalent in Biological Science from the Institute where be approved by Office of the Higher Education Commission, with a minimum grade point average of 3.50;
2. having carrier experience or research work published, at least 1 article within 5 years, in international or national peer-reviewed journals where a student name must be the first author or correspondence. When a student is the second author, he/she must share contribution equal to or more than the first author's.
3. fulfill the entry requirements of the Faculty of Graduate Studies;
4. Submit a certificate of English proficiency with minimum admission score:
 - IELTS - at least 3 or
 - TOEFL INTERNET BASED - at least 32 or
 - TOEFL ITP (test arranged by Faculty of Graduate Study, Mahidol University) - at least 400

Important Notes:

- English proficiency score must be taken within 2 years up to the admission date.
 - Application without submitting a valid English certificate will NOT be considered.
 - MU English Competence Standards: www.grad.mahidol.ac.th
 - MU English proficiency tests, please contact the Language Center, Faculty of Graduate Studies.
Tel. 0-2441-4125 ext. 221-222
5. Exemption from the above conditions may be granted by the Programme Committee under exceptional circumstances.

Plan 2

1. hold a Bachelor's degree or expect soon to receive a Bachelor's degree 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 minimum grade point average of 3.50; or

2. hold a Master's degree in Pathobiology, Pharmacy, Microbiology, Biology, Medical Technology or related field from the institute which approved by Office of the Higher Education Commission, with a minimum grade point average of 3.50;
3. students who are studying in Master's program in Pathobiology can change student status to a Doctoral student provided that they have already taken and passed course work at the Master's degree level no less than 2/3 of the number of credits of the required courses and have received a GPA of no less than 3.50 with approvals from the Master's Program Committee and the Doctoral Program Committee as well as the Dean of the Faculty of Graduate Studies.
4. fulfill the entry requirements of the Faculty of Graduate Studies;
5. Submit a certificate of English proficiency with minimum admission score:
 - IELTS - at least 3 or
 - TOEFL INTERNET BASED - at least 32 or
 - TOEFL ITP (test arranged by Faculty of Graduate Study, Mahidol University) - at least 400

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Written Examination

There is NO written examination for this program. Applicants must check their eligibility for interview upon the announcing date of the interview list which is scheduled for each admission round.

Curriculum Structure

	Credit
Plan 1	
For students with Master's degree	
Dissertation	48
Plan 2	
For students with Bachelor's degree	
Required Courses	17
Elective Courses no less than	7
Dissertation	48
For students with Master's degree	
Required Courses	6
Elective Courses no less than	6
Dissertation	36

	Credit
Required Courses	
For students with Bachelor's degree	
SCID 502 Cell Science	2(2-0-4)
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 502 Systemic Pathology	2(1-2-3)
SCPA 610 Cellular Pathology	2(2-0-4)
SCPA 605 Essential Pathobiology	2(1-2-3)
SCPA 613 Research Rotation in Pathobiology	1(0-2-1)
SCPA 614 Seminar in Advanced Pathobiology I	1(1-0-2)
SCPA 615 Seminar in Advanced Pathobiology II	1(1-0-2)
For students with Master's degree	
SCID 502 Cell Science	2(2-0-4)
SCPA 614 Seminar in Advanced Pathobiology I	1(1-0-2)
SCPA 615 Seminar in Advanced Pathobiology II	1(1-0-2)
SCPA 616 Current Research in Pathobiology	2(1-2-3)
Elective Courses	
GRID 603 Biostatistics	3(3-0-6)
SCID 500 Cell and Molecular Biology	3(3-0-6)
SCPA 602 Anatomical Basis for Pathological Study	2(1-2-3)
SCPA 603 Histopathological Techniques for Routine and Research	2(1-2-3)
SCPA 604 Clinical Pathology	2(1-2-3)
SCPA 606 Selected Topic in Pathobiology	2(1-2-3)
SCPA 607 Pathobiology and Mechanisms of Cancer	2(2-0-4)
SCPA 608 Nutrition Pathology	2(2-0-4)
Dissertation	
Plan 1	
For students with Master's degree	
SCPA 898 Dissertation	48(0-144-0)
Plan 2	
For students with Bachelor's degree	
SCPA 799 Dissertation	48(0-144-0)
For students with Master's degree	
SCPA 699 Dissertation	36(0-108-0)

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

Additional advantages of the programme

Graduates from the programme will be well trained researchers qualified to work in the medical research.
5 grants for Ph.D. students (contact programme director)

Application Process

Application is only available via online application at www.grad.mahidol.ac.th

Required Documents

Applicants must upload all documents via online admission system. All documents must be in PDF format (maximum size 2 MB). Photograph must be in JPEG format.

- 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)
- A letter certifying that an applicant is currently in the final year prior to graduation (for an applicant seeking for a degree)
- A detailed transcript of a degree (for an applicant with a degree completion)
- A grade report with course names and grades received from the first to the current semester prior to graduation
- A copy of identification card
- A copy of house registration certification
- A copy of Certificate of English proficiency : IELTS / TOEFL INTERNET BASED / TOEFL ITP
- A copy of proof of payment.

Job option after graduation

After Ph.D. graduation, the student has several job options in private, government 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. Assist Prof. Dr. Wannee Jiraungkoorskul (E-mail : wannee.jir@mahidol.ac.th)**
Room Pr 105, Pr Building, Floor 2, Department of Pathobiology, Faculty of Science.
Tel. : 0 2201 5571 Fax.: 0 2354 7158
- 2. Asst. Prof. Dr. Prasit Suwannalert (E-mail : prasit.suw@mahidol.ac.th)**
Room Pr 106, Pr Building, Floor 2, Department of Pathobiology, Faculty of Science.
Tel. : 0 2201 5550 Fax.: 0 2354 7158

Program Coordinator

Mr. Phiradet Thrammarugx (E-mail : phiradet.tha@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
 2. 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**