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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 : 5 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. fulfil the entry requirements of the Faculty of Graduate Studies;
4. have a TOEFL score of at least 500, TOEFL computer-based score of 173, TOEFL Internet-based score of 61, or IELTS score of 5 .

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.

Exemptions from the above conditions may be granted by the Program 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 3.25; 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. fulfil the entry requirements of the Faculty of Graduate Studies;

5. have a TOEFL score of at least 500, TOEFL computer-based score of 173, TOEFL Internet-based score of 61, or IELTS score of 5 .

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.

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

### Curriculum Structure

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

	<b>Credit</b>
<b>Required Courses</b>	
<b>For students with Bachelor's degree</b>	
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 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)
<b>For students with Master's degree</b>	
SCPA 502 Systemic Pathology	2(1-3-3)
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(2-0-4)
<b>Elective Courses</b>	
GRID 603 Biostatistics	3(3-0-6)
SCID 500 Cell and Molecular Biology	3(3-0-6)
SCPA 608 Nutrition Pathology	2(2-0-4)
<b>Dissertation</b>	
SCPA 699 Dissertation	36/48(0-108/144-0)
* 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](http://www.grad.mahidol.ac.th)

## Required Documents

Prepare the following required documents to submit via online admission system or post :

- Two (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.

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 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. **Prof. Dr. Rachanee Udomsangpetch** (E-mail : [rachanee.udo@mahidol.ac.th](mailto:rachanee.udo@mahidol.ac.th))  
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Tel. : 0 2201 5576 Fax.: 0 2354 7158
2. **Asst. Prof. Prasit Suwannalert** (E-mail : [prasit.suw@mahidol.ac.th](mailto:prasit.suw@mahidol.ac.th))  
Room Pr 216, Pr Building, Floor 2, Department of Pathobiology, Faculty of Science.  
Tel. : 0 2201 5578 Fax.: 0 2354 7158

### Program Coordinator

**Miss. Yaovapa Intarapard** (E-mail : [yaovapa.int@mahidol.ac.th](mailto: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 education information : [www.grad.mahidol.ac.th](http://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](mailto:gradthai@mahidol.ac.th)