

Admission Number

2	1	0	7	M	G	0	0
---	---	---	---	---	---	---	---

**Master of Science Programme in Pathobiology (International Programme)**

หลักสูตร วิทยาศาสตร์มหาบัณฑิต สาขาวิชา พยาธิชีววิทยา (หลักสูตรนานาชาติ) (ภาคปกติ)

Faculty of Science Department of Pathobiology

คณะวิทยาศาสตร์ ภาควิชา พยาธิชีววิทยา

Expected number of students to be accepted all year round : 10 Students

**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. fulfil the entry requirements of the Faculty of Graduate Studies.
3. have a TOEFL score of at least 480, TOEFL computer-based score of 157, TOEFL Internet-based score of 54, or IELTS score of 4.5 or pass the English Proficiency Examination arranged by the Faculty of Graduate Studies.

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.

4. In case your qualification does not match to the admission criteria, candidates must prior attach A Requesting Form for Examination" approved by the program director. The form must be submitted before making the application. Kindly download here:

[http://www.grad.mahidol.ac.th/grad/admission/form\\_th.php](http://www.grad.mahidol.ac.th/grad/admission/form_th.php)

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

**Written Examination** (Applicants must attend the examination date accurately to your admission round.)

<b><u>First Round</u></b> January 17, 2015		<b><u>Second Round</u></b> May 16, 2015	
<b>Subjects for examination</b>	<b>Time</b>	<b>Subjects for examination</b>	<b>Time</b>
1. English	8.30 - 11.30 a.m.	1. English	8.30 - 11.30 a.m.
2. General Knowledge	11.30 - 12.30 p.m.	2. General Knowledge	11.30 - 12.30 p.m.

**Examination Place**  
Mahidol University , Salaya , Nakhonpathom more details : [www.grad.mahidol.ac.th](http://www.grad.mahidol.ac.th) or Announcement at Faculty of Graduate Studies branches.

## Curriculum Structure

	<b>Credit</b>
Required Courses	15
Elective Courses no less than	9
Thesis	12

	<b>Credit</b>
<b>Required Courses</b>	
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>Elective Courses</b>	
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)
<b>Thesis</b>	
SCPA 698 Thesis	12(0-36-0)
<b>* These may change in cases where there are suggestions for the improvement of the curriculum</b>	

### Additional advantages of the programme

The curriculum is designed to prepare students for a professional career in Pathobiological science. Emphasis is on the basic principles and concepts of cell injury, particularly at the cellular and subcellular levels, in addition to changes at tissue level and the pathogenesis of several disease processes e.g. Parasitic infections, toxic agents and carcinogens. After completion of the programme, graduate students will be able to carry out their own research as well as teach in a medical school.

### 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 final year 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 Certificate of English score: TOEFL/IELTS/MU-Test (if any). See detail here: [http://www.grad.mahidol.ac.th/grad/academicinfo/engstandard2553\\_th.php](http://www.grad.mahidol.ac.th/grad/academicinfo/engstandard2553_th.php) 2 copies  
Those who early submit a valid English score prior to the examination will be exempt from English test on the examination date.
- 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 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. **Prof. Dr. Rachanee Udomsangpetch** (E-mail : [rachanee.udo@mahidol.ac.th](mailto:rachanee.udo@mahidol.ac.th))  
Room Pr 214, Pr Building, Floor 2, Department of Pathobiology, Faculty of Science.  
Tel. : 0 2201 5576 Fax.: 0 2354 7158
2. **Asst. Prof. Dr. 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**

**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](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**