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**Master of Science Programme in Medical Microbiology (International Programme)**

หลักสูตร วิทยาศาสตร์มหาบัณฑิต

สาขาวิชา จุลชีววิทยาการแพทย์ (หลักสูตรนานาชาติ) (ภาคปกติ)

Faculty of Medicine, Siriraj Hospital

Department of Microbiology

คณะแพทยศาสตร์ศิริราชพยาบาล

ภาควิชา จุลชีววิทยา

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

**Admission Requirements**

**A candidate must:**

1. Hold or be pursuing a Bachelor's degree (in the final year) in Microbiology, Biology, Biochemistry, Botany, Genetics, Biotechnology, Medical Technology, Pharmacy, Dentistry, Veterinary Medicine, Public Health and Medicine or other related field from an institution recognized by Mahidol University;
2. Have a grade point average of at least 2.50 or 75% (candidates with a lower GPA may be eligible with the permission of the Graduate Committee);
3. 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 or
  - MU GRAD TEST (COMPUTER BASED) - at least 36

**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](http://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
4. Exemption from the above conditions may be granted by the Programme Committee under exceptional circumstances.

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

Subjects for examination	Time (Morning session)
1. Biochemistry 2. Microbiology	} 9.00 -11.00 a.m.
<b>Examination Place</b> Mahidol University , Salaya , Nakhonpathom more details : <a href="http://www.grad.mahidol.ac.th">www.grad.mahidol.ac.th</a>	

## Curriculum Structure

	Credits
Required Courses	13
Elective Courses no less than	11
Thesis	12

Required Courses	Credits
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### Select one course

SIMI 512 Medical Bacteriology and Mycology	3(3-0-6)
SIMI 513 Medical Virology	2(2-0-4)
SIMI 616 Diagnostic Microbiology	3(1-6-5)
SIMI 617 Advanced Medical Bacteriology and Mycology	3(3-0-6)
SIMI 613 Advanced Medical Virology	3(3-0-6)
SIMI 687 Microbiology Seminar	2(2-0-4)

### Elective courses

SIID 501 Molecular and Cellular Basis of Biomedicine	3(2-2-5)
SIBC 504 Biochemistry	4(4-0-8)
SIIM 501 Immunology	2(2-0-4)
SIMI 611 Molecular Techniques in Medical Microbiology	3(2-3-5)
SIMI 615 Fundamental of Diagnostic Microbiology	1(1-0-2)

### Thesis

SIMI 698 Thesis	12(0-36-0)
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\* These may be changed in case of curriculum revision.

### Additional advantages of the programme

1. Molecular technology research of Thailand's most concerned infectious diseases, emerging infectious diseases and antimicrobial resistance
2. Every graduate from the program are proficient to work in field of medical sciences and are in high demand in the job market.

### Application Process

Application is only available via online application at [www.grad.mahidol.ac.th](http://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 / MU GRAD TEST (COMPUTER BASED)
- A copy of proof of payment

## Job option after graduation

1. Researcher
2. Lecturer
3. Project analyst, Project coordinator

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

### Medical Microbiology :

1. **Assistant Professor Dr. Iyarit Thaipisuttikul** (Email: [iyarit.tha@mahidol.ac.th](mailto:iyarit.tha@mahidol.ac.th))  
Microbiology Building, Floor 5, Department of Microbiology, Faculty of Medicine, Siriraj Hospital  
Tel: 0 2419 8035 Fax: 0 2418 4148
2. **Lect. Dr. Kamol Suwannakarn** (Email: [kamol.suw@mahidol.ac.th](mailto:kamol.suw@mahidol.ac.th))  
Microbiology Building, Floor 5, Department of Microbiology, Faculty of Medicine, Siriraj Hospital  
Tel: 0 2419 8035 Fax: 0 2418 4148

- Notes**
1. The programme of Medical Microbiology requires students to study following prerequisite course:
    - SIID 501 Molecular and Cellular Basis of Biomedicine 3(2-2-5) Credits
  2. For more education information : <http://www.grad.mahidol.ac.th>

**For more Information please contact: Student Admissions Section.**  
**Tel . 0 2441 4125 ext. 208-210 , 0 2441 9129, E-mail : [gradthai@mahidol.ac.th](mailto:gradthai@mahidol.ac.th)**