Master of Science Programme in Medical Microbiology (International Programme)

Faculty of Medicine, Siriraj Hospital
Department of Microbiology

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. 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.

Exemption from the above conditions may be granted by the Programme Committee under exceptional circumstances.

Curriculum Structure

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SIMI 512 Medical Bacteriology and Mycology</td>
<td>3(3-0-6)</td>
</tr>
<tr>
<td>SIMI 513 Medical Virology</td>
<td>2(2-0-4)</td>
</tr>
<tr>
<td>SIMI 616 Diagnostic Microbiology</td>
<td>3(1-6-5)</td>
</tr>
<tr>
<td>SIMI 617 Advanced Medical Bacteriology and Mycology</td>
<td>3(3-0-6)</td>
</tr>
<tr>
<td>SIMI 613 Advanced Medical Virology</td>
<td>3(3-0-6)</td>
</tr>
<tr>
<td>SIMI 687 Microbiology Seminar</td>
<td>2(2-0-4)</td>
</tr>
</tbody>
</table>

Elective Courses no less than 11

Thesis 12
**Elective courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SIID 501</td>
<td>Molecular and Cellular Basis of Biomedicine</td>
<td>3(2-2-5)</td>
</tr>
<tr>
<td>SIBC 504</td>
<td>Biochemistry</td>
<td>4(4-0-8)</td>
</tr>
<tr>
<td>SIIM 501</td>
<td>Immunology</td>
<td>2(2-0-4)</td>
</tr>
<tr>
<td>SIMI 611</td>
<td>Molecular Techniques in Medical Microbiology</td>
<td>3(2-3-5)</td>
</tr>
<tr>
<td>SIMI 615</td>
<td>Fundamental of Diagnostic Microbiology</td>
<td>1(1-0-2)</td>
</tr>
</tbody>
</table>

**Thesis**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SIMI 698</td>
<td>Thesis</td>
<td>12(0-36-0)</td>
</tr>
</tbody>
</table>

*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

**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 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.

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

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

1. Assoc. Prof. Dr. Pattarachai Kiratisin (Email: pattarachai.kir@mahidol.ac.th)
   Microbiology Building, Floor 5, Department of Microbiology, Faculty of Medicine, Siriraj Hospital
   Tel: 0 2419 8035  Fax: 0 2418 4148

2. Assist. Prof. Dr. Iyarit thaipisuttikul (Email: 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

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 : gradinter@mahidol.ac.th