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**Master of Science Programme in Medical Biochemistry and Molecular Biology
(International Programme)**

หลักสูตรวิทยาศาสตรมหาบัณฑิต

สาขาวิชาชีวเคมีและชีววิทยาโมเลกุลทางการแพทย์ (นานาชาติ) (ภาคปกติ)

Faculty of Medicine, Siriraj Hospital

คณะแพทยศาสตร์ศิริราชพยาบาล

Department of Biochemistry

ภาควิชา ชีวเคมี

Expected number of students to be accepted year round: 15 Students

Admission Requirements

A candidate must:

1. Hold a degree or be studying in the final year of Bachelor's Degree of Science (all fields of study), Doctor of Dental Surgery, Doctor of Medicine, Bachelor of Pharmacy, Doctor of Veterinary Medicine, or other related fields
2. Have a minimum grade point average of 2.50;
3. Fulfill the 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 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
 - 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. Biology 2. Biochemistry 3. Chemistry	9.00 - 12.00 a.m.
Examination Place Mahidol University , Salaya , Nakhonpathom more details : www.grad.mahidol.ac.th	

Curriculum Structure

	Credit
Required Courses	16
Elective Courses	8
Thesis	12

Required Courses	credit
SCID 500 Cell and Molecular Biology	3(3-0-6)
SIBC 504 Biochemistry	4(4-0-8)
SIBC 512 Biochemistry Laboratory	3(0-6-3)
SIBC 584 Biochemistry Seminar I	1(1-0-2)
SIBC 684 Biochemistry Seminar II	1(1-0-2)
SIBC 606 Advanced Biochemistry	4(4-0-8)
Elective Courses	
GRID 512 Basic Medical Sciences and Correlated Clinical Sciences	3(3-0-6)
GRID 603 Biostatistics	3(3-0-6)
SIBC 505 Laboratory Technique	2(2-0-4)
SIBC 603 Biochemistry of Diseases	2(2-0-4)
SIBC 604 Statistics in Medical Genetics	1(1-0-2)
SIRE 501 Statistics	3(3-0-6)
SIRE 502 Research Methodology	2(2-0-4)
Thesis	
SIBC 698 Thesis	12(0-48-0)
* These may be changed in cases of curriculum revision	

Additional advantages of the programme

The department has diverse research activities in the areas of cellular, molecular and clinical biochemistry.

Detail of Scholarships

1. Scholarship of the 60th Year Supreme Reign of His Majesty King Bhumibol Adulyadej.
2. Siriraj Graduate Thesis Scholarship.
3. Siriraj Graduate Scholarship.

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 last semester 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
- A copy of proof of payment.

Job option after graduation

- Researcher, scientist, academician in the field of Biochemistry and Medical Molecular Biology
- Biochemistry and Medical Molecular Biology laboratory manager
- Other related field of career which the knowledge of Biochemistry and Medical Molecular Biology is required.

Further information may be obtained from the Director of Graduate Studies, Medical Biochemistry and Molecular Biology :

1. **Asst. Prof. Dr. Vorapan Sirivatanauksorn** (E-mail : vorapan.sir@mahidol.ac.th)
Srisavarintira Building, Floor 10,
Department of Biochemistry, Faculty of Medicine, Siriraj Hospital
Tel: 0 2419 9140 Fax: 0 2419 9141
2. **Assoc. Prof. Dr. Chatchawan Srisawat** (E-mail : chatchawan.sri@mahidol.ac.th)
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Program Coordinator

Miss. Kanoklak Thanachotphutthinun (Email : sibc@mahidol.ac.th ; wannisa.imb@mahidol.ac.th)
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Department of Biochemistry, Faculty of Medicine, Siriraj Hospital
Tel: 0 2419 5356 Fax: 0 2419 9141

- Notes**
1. The programme of Medical Biochemistry and Molecular Biology requires students to study the pre-requisite course:
 - SIID 501 Molecular & cellular basis of biomedicine 3 Credits
 2. For more education information : <http://www.grad.mahidol.ac.th>

For more Information please contact The Student Admissions Section.
Tel . 0 2441 4125 ext. 208-210 , 0 2441 9129, E-mail : gradthai@mahidol.ac.th