

Admission Number

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Master of Science Program in Molecular Genetics and Genetic Engineering (International Programme)

หลักสูตร วิทยาศาสตร์มหาบัณฑิต

สาขาวิชา พันธุศาสตร์ระดับโมเลกุลและพันธุวิศวกรรมศาสตร์

(หลักสูตรนานาชาติ) (ภาคปกติ)

Institute of Molecular Biosciences

สถาบันชีววิทยาศาสตร์โมเลกุล

Expected number of Students to be accepted year round : 20 Students

Admission Requirements

A candidate must:

1. Hold a Bachelor's (B.Sc.) of Science degree the following fields: Chemistry, Biochemistry, Biological, Microbiology, Biotechnology, Genetics, Medical Technology, Pharmacy, Veterinary, Medicine, or other related field
2. Have a grade point average of at least 2.5;
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
 - MU English proficiency tests, please contact the Language Center, Faculty of Graduate Studies.
Tel. 0-2441-4125 ext. 221-222
4. Exemptions from the above conditions may be granted by the Programme Committee under exceptional circumstances.

Written Examination

There is NO written examination for this program. Applicants must check their eligibility for interview upon the announcing date of the interview list which is scheduled for each admission round.

Curriculum Structure

	Credit
Required Courses	15
Elective Courses	9
Thesis	12

			Credit
Required Courses			
MBMG 501	Genetic Engineering		3(3-0-6)
MBMG 502	Molecular Genetics		3(3-0-6)
MBMG 511	Techniques in Molecular Genetics and Genetic Engineering		3(0-9-3)
MBMG 521	Molecular Genetics and Genetic Engineering Seminar I		1(1-0-2)
MBMG 522	Molecular Genetics and Genetic Engineering Seminar II		1(1-0-2)
MBMG 602	Computer Applications in Molecular Biology		2(1-2-3)
MBMG 603	Instrumentation in Molecular Biology		2(2-0-4)
Elective Courses			
MBMG 601	Current Topics in Molecular Biology		1(1-0-2)
MBMG 606	Protein Structures		2(2-0-4)
MBMG 613	Advanced Research Project in Molecular Genetics and Genetic Engineering		3(0-9-3)
SCID 500	Cell and Molecular Biology		3(3-0-6)
SCID 506	Concept of Molecular Bioscience		2(2-0-4)
Thesis			
MBMG 698	Thesis		12(0-36-0)

*** These May Change in Cases Where There are Suggestions for The Improvement of The Curriculum**

Additional advantages of the program

Our program is one of the leading programs in Molecular Genetics and Genetic Engineering in Thailand. The program provides research opportunities in several areas of current interest, and is among the most productive program in terms of research output. We also have efficient evaluation process to ensure minimum period of study in our program.

Details of Scholarships

1. Scholarship of the 60th Year of the Supreme Reign of His Majesty King Bhumibol Adulyadej.
2. MGGE Scholarships.

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 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

Researcher with expertise in Molecular Genetics and Genetic Engineering.

Further information may be obtained from the Director of Graduate Studies,
Molecular Genetics and Genetic Engineering:

1. **Assoc. Prof. Dr. Panadda Boonserm** (E-mail : panadda.boo@mahidol.ac.th)
Institute of Molecular Biosciences Building, floor 4,
Institute of Molecular Biosciences, Mahidol University, Salaya, Nakhonpathom.
Tel: 0 2441 9003-7 Ext. 1466 Fax: 0 2441 9906
2. **Assoc. Prof. Dr. Apinunt Udomkit** (E-mail : apinunt.udo@mahidol.ac.th)
Institute of Molecular Biosciences Building, floor 2,
Institute of Molecular Biosciences, Mahidol University, Salaya, Nakhonpathom.
Tel: 0 2441 9003-7 Ext. 1236 Fax: 0 2441 9906

Program Coordinator

Mrs. Arpa Eamkum (E-mail : arpa.eam@mahidol.ac.th)
Institute of Molecular Biosciences Building, floor 3,
Institute of Molecular Biosciences, Mahidol University, Salaya, Nakhon Pathom.
Tel: 0 2441 9003-7 Ext. 1328 Fax: 0 2441 9906

Notes

1. The program of Molecular Genetics and Genetic Engineering requires students to study the pre - requisite course:
 - SCID 500 Cell and Molecular Biology 3 Credits
 - SCID 506 Concept of Molecular Bioscience 3 Credits
2. For more education information : 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