



Graduate Programs in Biochemistry (International Program) Faculty of Science, Mahidol University

Study Plan

Scholarship
Opportunities

Research Focus

Extracurricular
Activities



M.Sc. in Biochemistry (International Program)

Study Plan

- Plan A1: Research only (**Total 36 credits**)
 - Thesis 36 credits
- Plan A2: Coursework and research (**Total 36 credits**)
 - Required courses 10 credits
 - Elective courses 8 credits
 - Thesis 18 credits



Plan A1: Research only

Qualification of prospective students:

- Hold a Bachelor's degree in related fields
- GPAX ≥ 3.00
- Pass minimum English proficiency requirement
- Have a minimum of two years full-time research work experience **OR** of one publication in an international peer-reviewed journal
- Pass the SCBM372, SCBM374, SCBC322 and SCBC421 courses with an average grade of B (for SIM students)



Plan A1: Research only

- Thesis 36 credits

Year	Semester 1	Semester 2
1	Thesis	Thesis (continued) Proposal examination
2	Thesis (continued)	Thesis (continued) Thesis defense

* Student may register for other courses as audit with the recommendation and approval of the Program Committee and/or the advisor.



Plan A2: Coursework and research

Qualification of prospective students:

- Hold a Bachelor's degree in related fields
- GPAX ≥ 2.50
- Pass minimum English proficiency requirement



Plan A2: Coursework and research

- Required courses 10 credits
- Elective courses 8 credits
- Thesis 18 credits

Year	Semester 1	Semester 2
1	Required courses (5 credits) Elective courses (3-5 credits)	Required courses (3 credits) Elective courses (3-5 credits)
2	Seminar course (1 credit) Thesis Proposal examination	Seminar course (1 credit) Thesis (continued) Thesis defense



Ph.D. in Biochemistry (International Program)

Study Plan

- Plan 1: Research only
 - Plan 1.1: For students with a Master's degree
- Plan 2: Coursework and research
 - Plan 2.1: For students with a Master's degree
 - Plan 2.2: For students with a Bachelor's degree



Plan 1.1: Research only (for students with a Master's degree)

Qualification of prospective students:

- Hold a Master's degree in related fields
- GPAX ≥ 3.50
- Have at least one publication in an international peer-reviewed journal listed in Scopus database
- Pass minimum English proficiency requirement



Plan 1.1: Research only (for students with a Master's degree)

- Thesis 48 credits

Year	Semester 1	Semester 2
1	Thesis Qualifying examination	Thesis (continued) Proposal examination
2	Thesis (continued)	Thesis (continued)
3	Thesis (continued)	Thesis (continued) Thesis defense

* Student may register for other courses as audit with the recommendation and approval of the Program Committee and/or the advisor.



Plan 2.1: Coursework and research (for students with a Master's degree)

Qualification of prospective students:

- Hold a Master's degree in related fields
- GPAX \geq 3.50
- Pass minimum English proficiency requirement



Plan 2.1: Coursework and research (for students with a Master's degree)

- Required courses 9 credits
- Elective courses 3 credits
- Thesis 36 credits
- TOTAL 48 credits**



Plan 2.1: Coursework and research (for students with a Master's degree)

Year	Semester 1	Semester 2
1	Required courses (3 credits) Elective courses (0-3 credits)	Required courses (3 credits) Elective courses (0-3 credits)
2	Seminar course (1 credit) Qualifying examination	Seminar course (1 credit) Thesis Proposal examination
3	Thesis (continued)	Seminar course (1 credit) Thesis (continued)
4	Thesis (continued) Thesis defense	



Plan 2.2: Coursework and research (for students with a Bachelor's degree)

Qualification of prospective students:

- Hold a Bachelor's degree in related fields
- GPAX ≥ 3.50
- Pass minimum English proficiency requirement



Plan 2.2: Coursework and research (for students with a Bachelor's degree)

- Required courses 13 credits
- Elective courses 11 credits
- Thesis 48 credits
- TOTAL 72 credits**



Plan 2.2: Coursework and research (for students with a Bachelor's degree)

Year	Semester 1	Semester 2
1	Required courses (5 credits) Elective courses (5-7 credits)	Required courses (5 credits) Elective courses (4-6 credits)
2	Seminar course (1 credit) Qualifying examination	Seminar course (1 credit) Thesis Proposal examination
3	Thesis (continued)	Seminar course (1 credit) Thesis (continued)
4	Thesis (continued)	Thesis (continued)
5	Thesis (continued)	Thesis (continued) Thesis defense



English Proficiency Requirement for Master's Degree

TEST	ENTRANCE	GRADUATION
IELTS	-	5.0 (Writing = 5.0, Speaking = 5.0)
TOEFL-iBT	-	64 (Writing = 17, Speaking = 15)
MU GRAD Plus (MU GRAD Test + Speaking)	-	70 (Writing = 10, Speaking = 10)
MU ELT	-	84 (Writing = 10, Speaking = 10)



English Proficiency Requirement for Doctoral Degree

TEST	ENTRANCE	GRADUATION
IELTS	4.0	6.0 (Writing = 6.0, Speaking = 6.0)
TOEFL-iBT	42	79 (Writing = 23, Speaking = 19)
MU GRAD Plus (MU GRAD Test + Speaking)	48	90 (Writing = 12, Speaking = 12)



Scholarship Opportunities

- From Faculty of Science:
 1. Scholarship for Young Scientists (ทุนเสริมสร้างนักวิทยาศาสตร์รุ่นใหม่)
 2. Teaching Assistant Scholarship (ทุนผู้ช่วยสอน)
 3. Students Assistantship Scholarship (ทุนนักศึกษาช่วยงาน)
- From Department of Biochemistry:
 1. Academic Excellence Award (รางวัลสำหรับนักศึกษาที่มีผลการเรียนดีเยี่ยม)
 2. Academic Merit Scholarship (ทุนอุดหนุนการศึกษาสำหรับนักศึกษาที่มีผลการเรียนดี)
 3. Grants for Attending Academic Conferences, Training Programs or Seminars (ทุนสนับสนุนนักศึกษาเข้าร่วมประชุม ฝึกอบรม และสัมมนา)



Scholarship Opportunities

- From Faculty of Graduate Studies:
 1. ทุนเฉลิมพระเกียรติ 60 ปี ครองราชสมบัติ (for Thai students)
 2. 2025 Mahidol Postgraduate Scholarships for International Students
 3. ทุนสนับสนุนนักศึกษาระดับบัณฑิตศึกษาในการเสนอผลงานทางวิชาการภายในประเทศ
 4. ทุนอุดหนุนในการพัฒนานักศึกษาระดับปริญญาโท-เอกไปเสนอผลงานทางวิชาการ ณ ต่างประเทศ
 5. โครงการทุนผู้ช่วยวิจัยบัณฑิตศึกษา (RA: Research Assistantships) (for PhD students)
 6. การให้ทุนสนับสนุนการทำวิทยานิพนธ์บางส่วนสำหรับนักศึกษาระดับบัณฑิตศึกษา
- From Mahidol University:
 1. Scholarship for PhD Students
 2. Living Allowance Scholarship for Foreign Graduate Students at Mahidol University



Research Focus

- Protein and Enzyme Structure and Function
- Gene Regulation and Metabolism
- Cancer and Infectious Diseases
- Biotechnology and Nanotechnology





Mahidol University
Faculty of Science

Department of Biochemistry
Wisdom of the Land





	Application Period	Interview Date
Round 1	Oct 1, 2024 – Nov 30, 2024	Dec 17, 2024
Round 2	Dec 1, 2024 – Jan 31, 2025	Feb 17 – 25, 2025
Round 3	Feb 1, 2025 – Mar 31, 2025	Apr 17 – 25, 2025
Round 4	Apr 1, 2025 – May 31, 2025	Oct 20 - 28, 2025



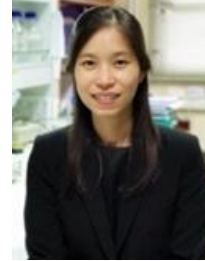
Online Admission System



For more information, please feel free to contact the program directors and/or secretaries.



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