



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 ≥ 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 (ทุนสนับสนุนนักศึกษาเข้าร่วมประชุมวิชาการ และสัมมนา)



Scholarship Opportunities

- From Faculty of Graduate Studies:
 1. The Faculty of Graduate Studies Scholarship Academic Year 2026 (for Thai students)
(ทุนบัณฑิตวิทยาลัย มหาวิทยาลัยมหิดล ประจำปีการศึกษา 2568)
 2. 2026 Mahidol Postgraduate Scholarships for International Students
 3. Grant to Support Graduate Students in Academic Presentations in Thailand
(ทุนสนับสนุนนักศึกษาปริญญาโท-เอก ไปเสนอผลงานทางวิชาการภายในประเทศ)
 4. Scholarship to Promote Master and Doctoral Students' Competency for International
(ทุนอุดหนุนในการพัฒนานักศึกษาระดับปริญญาโท-เอก ไปเสนอผลงานทางวิชาการ ณ ต่างประเทศ)
 5. RA: Research Assistantships (โครงการทุนผู้ช่วยวิจัยบัณฑิตศึกษา)
- 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



<https://biochemistry.sc.mahidol.ac.th/research/>



Mahidol University

Faculty of Science

Department of Biochemistry
Wisdom of the Land





| | Application Period | Interview Date |
|----------------|----------------------------|-----------------------|
| Round 1 | Oct 1, 2025 – Nov 30, 2025 | December 2025 |
| Round 2 | Dec 1, 2025 – Jan 31, 2026 | February 2026 |
| Round 3 | Feb 1, 2026 – Mar 31, 2026 | April 2026 |
| Round 4 | Apr 1, 2026 – May 31, 2026 | June 2026 |



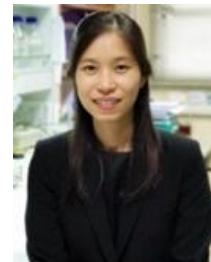
<https://graduate.mahidol.ac.th/admission-apply/>



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



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