



Master of Science (M.Sc.)

Microbiology and Microbial Technology (English Program)

Department of Microbiology, Faculty of Science, Chulalongkorn University

Program ID: 3533 (Plan A1) M.Sc. with thesis only.

Program ID: 3534 (Plan A2) M.Sc. with coursework and thesis.

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More Information:	www.micro.sc.chula.ac.th
Online Application:	www.grad.chula.ac.th
Contact (Admission):	Dr. Sarisa Na Pombejra (sarisa.n@chula.ac.th)
Contact (M.Sc. Program Secretary):	Assoc. Prof. Dr. Ekawan Luepromchai (ekawan.l@chula.ac.th)

Admission Tracks

- Our program offers two tracks of admission, **(1) regular track (2) special track**, for both Program ID 3533 (thesis only) and Program ID 3534 (coursework and thesis).
- Regular track and special track are different in the admission process and the qualification of applicants.

(1) Regular Track of Admission

➤ Admission Process

Online Application (www.grad.chula.ac.th)

The following application materials are required and must be submitted online.

- Application
- A photo (not more than 6 months old)
- A copy of national ID card (for Thai applicants) or a copy of passport (for international applicants)
- A copy of official transcript
- A copy of English score certificate (CU-TEP or TOEFL or IELTS)
- A letter of recommendation (email to Dr. Sarisa Na Pombejra)



Choose a Research Topic and Advisor

If the applicants meet the requirements of the programs, we will send research topics of each faculty who desires to accept students, and the applicants have to choose those topics for the interview round.



Interview



Announcement for Final Decision

➤ Qualification of Applicants

Prerequisites for Program ID 3533

(Plan A1: M.Sc. with thesis only)

- 1) Admission requires a Bachelor of Science degree (B.Sc.) with first class honors or with a minimum GPAX 3.60 in microbiology.
- 2) Applicants must have an English score (TOEFL or IELTS or CU-TEP). The minimum English scores for admission to the program are 30 (CU-TEP), 3 (IELTS), 400 (TOEFL PBT), 97 (TOEFL CBT), and 32 (TOEFL iBT). However, the admitted students with minimum scores require additional English language coursework.
- 3) The Program Administrative Committee agrees to allow the applicants for applying into the Program.

Prerequisites for Program ID 3534

(Plan A2: M.Sc. with coursework and thesis)

- 1) Admission requires a Bachelor of Science degree (B.Sc.) in microbiology, biological sciences, or related fields. The program opens an opportunity for prospective students from various backgrounds in science such as biochemistry, chemistry, biology, zoology, botany, genetics, general sciences, chemical engineering, food technology, biotechnology, pharmacology, medical technology, public health, marine sciences, and environmental sciences.
- 2) Applicants must have an English score (TOEFL or IELTS or CU-TEP). The minimum English scores for admission to the program are 30 (CU-TEP), 3 (IELTS), 400 (TOEFL PBT), 97 (TOEFL CBT), and 32 (TOEFL iBT). However, the admitted students with minimum scores require additional English language coursework.
- 3) The Program Administrative Committee agrees to allow the applicants for applying into the Program.

(2) Special Track of Admission

➤ Admission Process

Choose a Research Topic and Advisor

- Applicants must contact a faculty in Department of Microbiology who you desire to work with during your M.Sc.
- Please visit the Department website www.micro.sc.chula.ac.th/index.php/en/about-us/academic-staff-en/academic-staff to find more information about our faculty and contact them directly via email.
- After their agreement to accept you as a candidate, you can proceed the online application.



Online Application (www.grad.chula.ac.th)

The following application materials are required and must be submitted online.

- Application
- A photo (not more than 6 months old)
- A copy of national ID card (for Thai applicants) or a copy of passport (for international applicants)
- A copy of official transcript
- A copy of English score certificate (CU-TEP or TOEFL or IELTS)
- A letter of recommendation (email to Dr. Sarisa Na Pombejra)



Announcement for Final Decision

➤ Qualification of Applicants

Prerequisites for Program ID 3533

(Plan A1: M.Sc. with thesis only)

- 1) Admission requires a Bachelor of Science degree (B.Sc.) with first class honors or with a minimum GPAX 3.60 in microbiology.
- 2) Applicants must have an English score (TOEFL or IELTS or CU-TEP). The minimum English scores for admission to this program are 45 (CU-TEP), 4.0 (IELTS), 450 (TOEFL PBT), 133 (TOEFL CBT), and 45 (TOEFL iBT).
- 3) The applicants must pass coursework in general microbiology and biochemistry from their previous degree.

- 4) The Program Administrative Committee agrees to allow the applicants for applying into the Program.

Prerequisites for Program ID 3534

(Plan A2: M.Sc. with coursework and thesis)

- 1) Admission requires a Bachelor of Science degree (B.Sc.) with minimum GPAX of 3.0 in microbiology or related fields. The program opens an opportunity for prospective students from various backgrounds in science such as biochemistry, chemistry, biology, zoology, botany, genetics, general sciences, chemical engineering, food technology, biotechnology, pharmacology, medical technology, public health, marine sciences, and environmental sciences.
- 2) Applicants must have an English score (TOEFL or IELTS or CU-TEP). The minimum English scores for admission to the program are 45 (CU-TEP), 4.0 (IELTS), 450 (TOEFL PBT), 133 (TOEFL CBT), and 45 (TOEFL iBT).
- 3) The applicants must pass coursework in general microbiology and biochemistry from their previous degree.
- 4) The Program Administrative Committee agrees to allow the applicants for applying into the Program.

English Scores and Admission with Conditions

Conditions	CU-TEP	IELTS	TOEFL		
			Paper-Based/ ITP	Computer-based	Internet-based
1) Admission without condition	≥ 45	≥ 4.0	≥ 450	≥ 133	≥ 45
2) Require <u>one English language coursework</u> for admitted students (an elective coursework that Chulalongkorn University requires: 5500504 English Pronunciation and Conversation 5500505 Academic English Grammar 5500506 Academic English Vocabulary 5500510 Skills in English for Graduates). The students must pass the English language coursework before their graduation.	38-44	3.5	425-449	113-132	38-44

Conditions	CU-TEP	IELTS	TOEFL		
			Paper-Based/ ITP	Computer-based	Internet-based
or the students must take a new exam to receive the required score (CU-TEP 45, IELTS 4.0, TOEFL PBT/ITP 450, TOEFL CBT 133, TOEFL iBT 45) before graduation.					
3) Require <u>two English language coursework</u> for admitted students (5500503 Preparatory English for Graduate Students and an additional elective coursework that Chulalongkorn University requires: 5500504 English Pronunciation and Conversation 5500505 Academic English Grammar 5500506 Academic English Vocabulary 5500510 Skills in English for Graduates). The students must pass the English language coursework before their graduation. or the students must take a new exam to receive the required score (CU-TEP 45, IELTS 4.0, TOEFL PBT/ITP 450, TOEFL CBT 133, TOEFL iBT 45) before graduation.).	30-37	3.0	400-424	97-112	32-37
4) Not qualify for admission	< 30	< 3.0	< 400	< 97	< 32

*** All English scores will be expired 2 year after the test date. The submitted scores must be valid until the date of final decision announcement.

CU-TEP: http://www.atc.chula.ac.th/en_html/en_tep.html

TOEFL: <https://www.ets.org/toefl>

IELTS: <https://www.ielts.org/>

Application Information

- 1) The online application is available on the Graduate School website (<http://www.grad.chula.ac.th/en/index.php>). Please visit the website for more information of how to apply to the Program and follow the guidelines of the Graduate School.
- 2) The fee to apply is 500 Thai Baht. The fee must be paid before the application will be considered complete. All international applicants receive an applicant fee waiver.
- 3) A letter of recommendation is required, and must be directly sent to sarisa.n@chula.ac.th (Dr. Sarisa Na Pombejra)
- 4) For the applicant earned a diploma or an associate degree followed by two-year bachelor's degree program, the transcripts from both academic levels will be required for the application submission.
- 5) The applicants who are still studying in the final semester of a bachelor's degree can apply to the Program. However, the applicants must submit an evidence of graduation that meet the requirement of the Program before the first day of new student enrollment.

The following application materials are required and must be submitted online.

- Application
- A photo (not more than 6 months old)
- A copy of national ID card (for Thai students) or a copy of passport (for international students)
- A copy of official transcript
- A copy of English score certificate (CU-TEP or TOEFL or IELTS)
- A letter of recommendation (email to Dr. Sarisa Na Pombejra, sarisa.n@chula.ac.th)