



Mahidol University
International College



CHEMISTRY

BACHELOR OF SCIENCE (B.Sc.)



MUIC Chemistry program is the first in Asia and the third outside the US to be recognized by the American Chemical Society under the ACS Recognition of Global Programs in Chemical Sciences. This recognition ensures that our chemistry program is comprehensive and rigorous to the standard of the ACS.

Students will acquire technical skills from laboratory practices and professional proficiencies, including teamwork, ethics, communication, and safety.





OVERVIEW:

CHEMISTRY is one of the most versatile branches of science. **IMAGINE KNOWING THE STRUCTURES AND PROPERTIES OF STUFF AROUND YOU AND BEING ABLE TO MANIPULATE THEM TO SUIT YOUR NEEDS.**

Chemistry reaches far into various industries, including foods, drugs, cosmetics, petroleum, materials and forensic science.

In addition to lecture-based courses, the program also offers extensive laboratory work with access to cutting-edge instrumentation and hands-on research opportunities. Our program also emphasizes critical thinking and problem-solving skills for students to be ready for future challenges.



PATHWAYS AND COLLABORATIONS:

- The first track is **A BACHELOR'S DEGREE IN CHEMISTRY**. High achievers, can complete their Chemistry degree courses by the end of their junior year. Their I-Design courses in their senior year can be used to create a personalized education, leading to another minor or certificate.

- The second track is a Dual-Degree Program with Flinders University, Australia, in a 2+2 arrangement, in which the student will study MUIC for two years and Flinders U for two years. Students will receive **A B.SC. (CHEMISTRY) FROM MAHIDOL U. AND A B.SC. IN FORENSIC AND ANALYTICAL SCIENCE FROM FLINDERS U.**

- The third track is **A B.SC. (CHEMISTRY) + M.SC. (PHARMACOLOGY AND NEW DRUG DEVELOPMENT)** degree in a 4+1 arrangement with the Faculty of Graduate Studies and Faculty of Medicine, Siriraj Hospital, which shortens the total study duration by one year. Note that pharmacology focuses on new drug development. Students complete Master's degree coursework as their I-Design and elective courses.



CAREER OPPORTUNITIES:

- Many Chemistry graduates from MUIC pursue further studies in pure and applied Chemistry or related sciences abroad with master's or doctorate degrees. Potential career paths include research and development, quality control, and management positions in the chemical, petrochemical, pharmaceutical, and renewable energy industries. You could also pursue further studies for a career in education or patent law.
- For the 2+2 track, potential occupations include forensic chemist, analytical chemist, forensic technical assistant, and formulation chemist. Potential employer sectors include forensic agencies, analytical laboratories, government agencies, chemical, pharmaceutical, food and beverage, and environmental laboratories. It is possible to work with law enforcement agencies and quality assurance or accreditation bodies.
- For the 4+1 track, most graduates with a master's degree start their careers in research and relevant positions in the academic, healthcare, and medical industry. A graduate from this track is NOT a pharmacist.

HOW TO APPLY

CHEMISTRY

FAST TRACK

SUBMIT YOUR SCORE

ENGLISH MINIMUM SCORES

TOEFL
(IBT)

69

OVERALL

22

WRITING

IELTS
(ACADEMIC)

6.0

OVERALL

6.0

WRITING

PTE
(ACADEMIC)

50

OVERALL

50

WRITING

MATHEMATICS MINIMUM SCORES

SAT
(MATH SCORE)
NOT LOWER THAN

600

OR

ACT
(MATH SCORE)
NOT LOWER THAN

25

REGULAR TRACK

MUIC EXAM



TOEFL
ITP

OR

+



WRITING
TEST

+



MATH
TEST

SUBMIT
DUOLINGO
100
OVERALL

Applicants are eligible to submit English/Mathematics Minimum scores to waive for MUIC Exam.



Contact us
for more information

ADMISSIONS OFFICE

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TUITION & FEE

(Approximately in Thai baht)

73,XXX

TRIMESTER

87X,XXX

4 YEARS

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