

CHEMISTRY

AREA OF STUDIES

The Chemistry major of MUC is internationally recognized as the first in Asia and the third outside the United States to be accredited by the American Chemical Society (ACS) under the Recognition of Global Programs in Chemical Sciences. The curriculum provides a strong foundation in general education and core sciences, then progresses to advanced courses in organic, inorganic, analytical, and physical chemistry.

Students gain extensive laboratory training with modern equipment while also developing essential professional skills in teamwork, ethics, safety, and communication. The program also hosts an official ACS Student Chapter, giving students opportunities for outreach, networking, and professional growth within the global chemistry community.

CAREER OPPORTUNITIES

1. Research and Development Scientist
2. Analytical or Forensic Chemist
3. Quality Control/Quality Assurance Specialist
4. Academic or Researcher
5. Patent or Intellectual Property Specialist



PATHWAY FOR CHEMISTRY SCIENCES STUDENTS



2+2 DUAL DEGREE WITH FLINDERS UNIVERSITY

A 2+2 Pathway between MUIC's B.Sc. Chemistry and Flinders University's (Adelaide, Australia) B.Sc. Forensic and Analytical Science provides international exposure and prepares students for careers in forensic, analytical, and formulation chemistry.

4+1 DUAL DEGREE WITH SIRIRAJ HOSPITAL

The 4+1 track allows students to earn both a bachelor's and a master's degree within five years, equipping them for research, healthcare, and academic careers. With its comprehensive design, the program prepares graduates to excel in both industry and advanced studies. Chemistry + Faculty of Medicine, Siriraj Hospital (Pharmacology and New Drug Development).

Plan selection:

With their academic advisors' consultation, students can nominate their plan at any time during the first two years of their study in the program. After three trimesters of study, the Program Director of Chemistry approves the student's nominated plan in consultation with the partners (Flinders University, and Siriraj for Plan B and 4+1 plan respectively).

It is expected that high performing students (GPAX ≥ 3.20 for students who plan for study at Flinders University and GPAX ≥ 3.00 for Siriraj) will be able to choose any plan.

