

Tracks in science program (≥638xxxx)

AM

Track in Financial Mathematics	
As a suggestion for students who want to specialize in financial mathematics, students are recommended to complete the following 20 credits courses in addition to or included in their existing requirement(s) for their respective major(s), minor(s) or certificate(s).	
Financial Mathematics Track Courses 20 credits	Credit
ICMB 213 Financial Accounting	4 (4-0-8)
ICMB 214 Management Accounting	4 (4-0-8)
ICMB 215 Business Finance for Entrepreneurs	4 (4-0-8)
ICMF 316 Financial Management	4 (4-0-8)
ICMF 322 Risk Management and Derivatives	4 (4-0-8)

CH

Track selection process:

Students in consultation with their academic advisor can nominate their track at any time during their study in the program. After three trimesters of study, the Program director of chemistry approves student's nominated track in consultation with the partners (Flinders University and Siriraj for the 2+2 and 4+1 tracks respectively). It is expected that high performing students (GPAX >= 3.50 for Flinders and GPAX >= 3.25 for Siriraj) will be able to choose any tracks of his/her choice. For other students, the default option is the main track. Students may need to pass additional interviews and/or demonstrate further evidence of their commitment towards 2+1 or 4+1 track to be approved.

Flinders 2+2 track	
<p>Mahidol University International College</p> <p>General Education (38 trimester credits)</p> <p>Core courses (46 trimester credits)</p> <p>Required courses (17 trimester credits)</p> <p>(in total 101 trimester credits)</p> <p>Core courses</p> <p>ICB 101 Biology 4(4-0-8)</p> <p>ICB 102 Integrated Laboratory in Biological Sciences I 2 (0-4-2)</p> <p>ICB 103 Biology II 4(4-0-8)</p> <p>ICCH 101 General Chemistry I 4 (4-0-8)</p> <p>ICCH 102 General Chemistry II 4 (4-0-8)</p> <p>ICCH 105 Integrated Laboratory in Chemistry 2 (0-4-2)</p> <p>ICMA 106 Calculus I 4(4-0-8)</p> <p>ICMA 213 Calculus II 4(4-0-8)</p> <p>ICPY 101 Physics I 4(4-0-8)</p> <p>ICPY 102 Physics II 4(4-0-8)</p> <p>ICPY 105 Integrated Laboratory in Physics I 2(0-4-2)</p> <p>ICDH 309 Scientific Research and Presentations 4(4-0-8)</p> <p>ICMA 151 Statistics for Science I 4 (4-0-8)</p> <p>Required courses</p> <p>ICCH 221 Organic Chemistry I 4 (4-0-8)</p> <p>ICCH 222 Organic Chemistry II 4 (4-0-8)</p> <p>ICCH 223 Organic Chemistry Laboratory 2 (0-4-2)</p> <p>ICCH 400 Seminar and Research Project in Chemistry 7 (2-10-9)</p> <p>Courses in red (48 credits) are recommended to be completed before student's departure for Flinders.</p>	<p>Flinders University</p> <p>Required courses (1.75 EFTSL)</p> <p>Free elective courses (0.25 EFTSL)</p> <p>(in total 2 EFTSL = 92 trimester credits)</p> <p>According to TQF1 for any B.Sc. (Chemistry) degrees awarded in Thailand, the courses must be equivalent to the following:</p> <ul style="list-style-type: none"> • General education courses and core courses are completed at Mahidol. • 8.75 trimester credits of Physical Chemistry (7.50 for lectures and 1.25 for practice) • 8.75 trimester credits of Inorganic Chemistry (7.50 for lectures and 1.25 for practice) • Organic chemistry is completed at Mahidol. • 8.75 trimester credits of Analytical Chemistry (7.50 for lectures and 1.25 for practice) • 5.00 trimester credits of Biochemistry (3.75 for lectures and 1.25 for practice) • 5.00 trimester credits of additional Chemistry and/or practice. • Seminar and project are completed at Mahidol. • 7.50 trimester credits of free elective courses
Siriraj 4+1 track	
The requirements are the same as the main track. Students are allowed to transferred their results from graduate courses at Siriraj or elsewhere into major elective and I-Design.	