

114 學年度第二專長學分學程－化工技術與應用 114 年 6 月 17 日修訂

Ming Chi University of Technology 「2025 SchoolYear」 Chemical Engineering
Technology and Applications Curriculum

Amended on June 17, 2025

	科目名稱 Course Name	學分數/時 數 Credits/ Hours	開課年級 Grade Leve	課程屬性 Course Attributes	備註 Course Catalog Remarks
1.	計算機程式設計 (Computer Programming)	3/3	一下 Grade 1 Second Semester	選修 Elective	
2.	材料科學導論 (Introduction to Material Science)	3/3	一下 Grade 1 Second Semester	選修 Elective	
3.	分析化學暨實驗 (Analytical Chemistry and Experiment)	3/4	一下 Grade 1 Second Semester	選修 Elective	
4.	高分子化學 (Polymer Chemistry)	3/3	二上 Grade 2 First Semester	選修 Elective	
5.	有機化學(I) (Organic Chemistry I)	3/3	二上 Grade 2 First Semester	選修 Elective	
6.	化工產業與人工智慧應用 (Chemical Engineering Industry and Artificial Intelligence Application)	1/2	二下 Grade 2 Second Semester	選修 Elective	
7.	儀器分析 (Instrumental Analysis)	3/3	三上 Grade 3 First	選修 Elective	

			Semester		
8.	電化學 (Electrochemistry)	3/3	三上 Grade 3 First Semester	選修 Elective	
9.	奈米觸媒技術與應用 (Nanocatalytic Technology and Application)	3/3	四上 Grade 4 First Semester	選修 Elective	
10	綠色化學技術暨實驗 (Green Chemistry Technology and Experiment)	3/3	四下 Grade 4 Second Semester	選修 Elective	
<p>備註：</p> <p>1、第二專長學分學程為化工技術與應用，至少修習 15 學分。</p> <p>2、已修畢之第二專長學分學程外系學分，採計為系專業選修學分。</p> <p>Course Catalog Remarks</p> <p>1. Students are required to register at least 15 credits for the second major credit program in Chemical Engineering Technology and Applications.</p> <p>2. Students who complete the credits of the second major credit program from another department are counted as professional elective credits by this department.</p>					