

113 學年度第二專長學分學程－化工技術與應用 113 年 06 月 18 日修訂

Ming Chi University of Technology 「2024 SchoolYear」 Chemical Engineering  
Technology and Applications Curriculum

Amended on June 18, 2024

	科目名稱 Course Name	學分數/時 數 Credits/ Hours	開課年級 Grade Level	課程屬性 Course Attributes	備註 Course Catalog Remarks
1.	計算機程式設計 (Computer Programming)	3/3	一上 Grade 1 First 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	

備註：

- 1、第二專長學分學程為化工技術與應用，至少修習 15 學分。
- 2、修畢第二專長學分學程者：最低畢業學分結構調整為共同必修 42 學分，通識選修至少 8 學分(五類型，任選四類各 2 學分)，核心必修 58 學分，模組選修 6 學分，專業選修 34 學分，合計 148 學分。
- 3、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。

Course Catalog Remarks

1. Students are required to register at least 15 credits for the second major credit program in Chemical Engineering Technology and Applications.
2. Students who complete the second major credit program, the minimum graduation credit structure is adjusted to 42 credits for common required courses, at least 8 credits for general education electives (five categories, taking 2 credits from each of four categories), 58 credits for core required courses, 6 credits for module electives, and 34 credits of professional electives. Total 148 credits.
3. Students who complete the credits of the second major credit program from another department are counted as professional elective credits by this department.