

應用化學系 跨域模組課程 必修科目表

The required course list for the students who join the cross-disciplinary module curriculum in the Department of Applied Chemistry

類別 Category	科目名稱 Course Name	學分 Credit	開課系所 Department	備註 Remark	
本系跨域模組：基礎 必修 Cross-disciplinary modules in the Department of Applied Chemistry: (obligatory courses)	有機化學(一) Organic Chemistry (I)	4	應用化學系 Applied Chemistry	應選修左列 8 門 之任何 4 門 The student should take and pass at least four courses from the eight obligatory courses listed here.	
	有機化學(二) Organic Chemistry (II)	4			
	分析化學(一) Analytical Chemistry (I)	3			
	分析化學(二) Analytical Chemistry (II)	3			
	物理化學(一) Physical Chemistry (I)	4			
	物理化學(二) Physical Chemistry (II)	4			
	無機化學(一) Inorganic Chemistry (I)	3			
	無機化學(二) Inorganic Chemistry (II)	3			
		28			
	本系跨域模組：核心 選修 Cross-disciplinary modules in the Department of Applied Chemistry: (core courses)	有機化學Ⅲ Organic Chemistry (III)			3
有機光譜分析 Spectroscopic Analysis of Organic Compounds		3			
無機化學特論 Special Topics in Inorganic Chemistry		3			
分析化學特論 Special Topic in Analytical Chemistry		3			
分析化學Ⅲ Analytical Chemistry (III)		3			
高分子化學		3			

	Polymer Chemistry			
	物理化學Ⅲ Physical Chemistry (III)	3		
	化學應用群論 Group Theory for Chemistry	3		
	物理化學特論 Special Topic in Physical Chemistry	3		
	生物化學 Biochemistry	3		
	藥物設計 Drug Design and Development	3		
	固態化學 Solid State Chemistry	3		
	分析光譜特論 Special Topics in Analytical Spectroscopy	3		
	酵素化學 Enzyme Chemistry	3		
	生物技術特論 Molecular Biotechnology	3		
總學分 Total Credits		28	基礎必修及核心選修合計修畢 28 學分後，於畢業證書加註『跨域專長：應用化學』 The students who obtain 28 credits from obligatory courses and core courses will be eligible to obtain the remark "Cross-Disciplinary Specialty of Applied Chemistry" on their diploma.	