

應用化學系跨域學程 本系學生 必修科目表

Required Course List of Department of Applied Chemistry for the students of Our Department who join the cross-disciplinary study program

類別 Category	科目名稱 Course Name	學分 Number of Credits	開課系所 Department	備註 Remarks
本系基礎必修(67 學分) Core curriculum in Our Department (67 credits)	導師時間 Mentor Hour	0	應用化學系 Applied Chemistry	
	化學 General Chemistry	6		
	化學實驗 General Chemistry Labs	2		
	普通物理 General Physics	8		
	普通物理實驗 General Physics Labs	2		
	微積分 Calculus	8		
	有機化學 Organic Chemistry	8		
	有機化學實驗 Organic Chemistry Labs	4		
	分析化學 Analytical Chemistry	6		
	分析化學實驗 Analytical Chemistry Labs	2		
	應用數學 Applied Mathematics	3		
	物理化學 Physical Chemistry	8		
	物理化學實驗 Physical Chemistry Labs	2		
	無機化學 Inorganic Chemistry	6		
	書報討論 Seminar	2		

		67		
本系跨域模組(9 學分) Cross-disciplinary modules in Our Department (9 credits)	有機化學Ⅲ Organic Chemistry (III)	3	應用化學系 Applied Chemistry	應選修左列 10 門之任何 3 門 The student should take and pass at least three courses from the ten core courses listed here.
	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 Polymer Chemistry	3		
	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		
	他系跨域模組(28-32 學分) Cross-disciplinary modules in other departments (28-32 credits)	本校各系所或學院所提供之跨域模組學程，擇一修畢 The cross-disciplinary modules offered by other departments, institutes or colleges at our university; complete one of these programs.		

<p style="text-align: center;">合計 Total</p>		<p>校必修(含共同必修 28 學分(含外語課程必修 8 學分)，至多採計 40 學分)[註]</p> <p>Required courses of the university (including 28 credits of general education subjects, 8 credits of foreign language course inclusive with the maximum 40 credits countable)</p> <p>[Note]</p>
<p style="text-align: center;">最低畢業學分 Minimum Graduate Credits</p>	<p>132</p>	