

# 114化材系EMI課程地圖

## 化材系, 114學年 大學部EMI課程地圖

(Department of Chemical and Materials Engineering, Academic year 114 EMI Course map for Undergraduate Program)

課程名稱 Course Name	課號 Course Code	修課年級 Year	學分數Credits		備註 Note
			上學期 Fall	下學期 Spring	
普通化學 General Chemistry	EG1007	化材系-一年級 Department:Department of Chemical and Materials Engineering only.Year:First Year only.	X	3	必修 (Required Courses)
質能平衡與化工計算 Introduction to Chemical Engineering and Computer Calculations	CH1012	化材系-一年級 Department:Department of Chemical and Materials Engineering only.Year:First Year only.	X	3	
有機化學 Organic Chemistry I II	CH2001	化材系-二年級 Department:Department of Chemical and Materials Engineering only.Year:Second Year only.	3	3	
	CH2002				
物理化學 Physical Chemistry II	CH2006	化材系-二年級 Department:Department of Chemical and Materials Engineering only.Year:Second Year only.	X	3	
材料化學 Materials Chemistry	CH2031	化材系-二年級 Department:Department of Chemical and Materials Engineering only.Year:Second Year only.	3	X	
化學工程概論 Chemical Engineering Outline	CH2033	化材系-二年級、三、四年級 Department:Department of Chemical and Materials Engineering only.Year:Second/Third /Fourth Year only.	3	X	
程序設計 Process Design	CH4042	化材系-四年級 Department:Department of Chemical and Materials Engineering only.Year:Third /Fourth Year only.	3	X	
高分子科學 Introduction to Polymer Science	CH4049	化材系-三、四年級 Department:Department of Chemical and Materials Engineering only.Year:Third /Fourth Year only.	X	3	

## 化材系, 114學年 研究所EMI課程地圖

(Department of Chemical and Materials Engineering, Academic year 114 EMI Course map for Graduate Program)

課程名稱 Course Name	課號 Course Code	修課年級 Year	學分數Credits		備註 Note
			上學期 Fall	下學期 Spring	
高等材料物理學 Materials Physics	CH7007	化材系-碩士班、博士班 Department:Department of Chemical and Materials Engineering only.Year:Graduate only.	3	X	必修 (Required Courses)
軟質材料 Soft Materials	CH7008	化材系-碩士班、博士班 Department:Department of Chemical and Materials Engineering only.Year:Graduate only.	3	X	
材料分析與鑑定 Materials Characterization	CH7009	化材系-碩士班、博士班 Department:Department of Chemical and Materials Engineering only.Year:Graduate only.	X	3	
高等高分子物理 Advanced Polymer Physics	CH8031	化材系-碩士班、博士班 Department:Department of Chemical and Materials Engineering only.Year:Graduate only.	X	3	
生物化學工程 Biochemical Engineering	CH8041	化材系-碩士班、博士班 Department:Department of Chemical and Materials Engineering only.Year:Graduate only.	3	X	
分子模擬 Molecular Modeling	CH8055	化材系-碩士班、博士班 Department:Department of Chemical and Materials Engineering only.Year:Graduate only.	3	X	
電子材料科學 Electronic Materials Science	CH8071	化材系-碩士班、博士班 Department:Department of Chemical and Materials Engineering only.Year:Graduate only.	3	X	
生物高分子 Biomacromolecules	CH8081	化材系-碩士班、博士班 Department:Department of Chemical and Materials Engineering only.Year:Graduate only.	3	X	
生物啟發材料 Bio-inspired Materials	CH8097	化材系-碩士班、博士班 Department:Department of Chemical and Materials Engineering only.Year:Graduate only.	3	X	
有機化學特論 Special Topics in Organic Chemistry	CH8110	化材系-碩士班、博士班 Department:Department of Chemical and Materials Engineering only.Year:Graduate only.	3	X	
材料相變化學 Phase Transformations of Materials	CH8128	化材系-碩士班、博士班 Department:Department of Chemical and Materials Engineering only.Year:Graduate only.	X	3	選修課程(Elective Courses)
台灣產業發展趨勢 Trends in Taiwan's Industrial Development	EG5013	工學院-碩士班、博士班 Department: College of Engineering only.Year:Graduate only.	3	X	