

東海大學 108 學年度日間學士班理學院化學系化學組必修科目表

Degree in Chemistry Required Course Chart

	科 目 Course	學 分 Credits	1st year		2nd year		3rd year		4th year		Remarks
			F	S	F	S	F	S	F	S	
基礎課程 Basic courses	11001-中文 Chinese	4	2	2							
	16058-大一英文 Freshman English	6	3	3							
	16059-大二英文 Sophomore English	4			2	2					
	01001-軍訓 Military only for Local studends										
	02001-大一體育 Freshman PE										
	02002-大二體育 Sophomore PE										
	00002-勞作教育 Labor education										
通識必修科目 General of Education	99001-人文領域 Humanities										通識七領域必修人文、自然、社會及邏輯思維與運算領域四領域各一門課，至少修習 14 學分。 Among the 7 domains of General Education, one course selected from each of the 4 domains (Humanity, Natural Science, Social Science, and Logic Thinking & Basic Programming) is required. At least 14 credits in total should be taken.
	99007-社會領域 Social Sciences										
	99008-自然領域 Natural Sciences										
	99009-文明與經典領域 Civilization & Classic										
	99010-領導與倫理領域 Leadership & Ethics										
	99011-邏輯思維與運算領域 Logic Thinking & Basic Programming										
	99012-多元與議題導向領域 Interdisciplinary and Multi-faceted Issues										
學系必修科目 Department	22000-普通化學 General Chemistry	6	3	3							
	22001-普通化學實驗 General Chemistry Lab.	2	1	1							
	21000-普通物理 General Physics	6	3	3							
	21001-普通物理實驗 General Physics Lab.	2	1	1							

24383-微積分甲〈一〉 Calculus (I)	3	3								
24385-微積分甲〈二〉 Calculus (II)	3		3							
22101-基礎化學數學 Mathematics for Chemists	3		3							
22046-有機化學 Organic Chemistry	6			3	3					
22048-有機化學實驗 Organic Chemistry Lab	2			1	1					
22050-分析化學 Analytical Chemistry	3			3						
22051-分析化學實驗 Analytical Chemistry Lab.	1			1						
22083-儀器分析 Instrumental Analysis	6				3	3				
22022-物理化學實驗 Physical Chemistry Lab.	2					1	1			
22123-無機化學 Inorganic Chemistry	6					3	3			
22039-物理化學 Physical Chemistry	6					3	3			
22035-儀器分析實驗 Instrumental Analysis Lab.	1						1			
22031-綜合討論 Seminar	2								2	群修課 3 選 1 Required elective One out of three is required
22667-專題研究 (三) Directed Research (III)	2								2	
63112-校外實習 Internship	2								2	
必修學分數 Required Credits	88	16	19	10	9	10	8		2	
選修學分數 Electives Credits	40									
畢業學分數 Total Credits	128									

說明：

一、本科目表適用於本學年度入學新生，選修科目請參考學期開課資料。(108.04 教務會議通過)  
前次修正時間為(100.04)(102.04)(105.11)

This course chart is suitable for freshmen enrolled in this academic year. For elective courses, please refer  
To the semester "[Search for All Open Course List](#)"

二、自 100 學年度起入學新生須符合本校英文能力畢業門檻實施辦法之規定。

三、自 101 學年度起入學新生須符合本校學生體育畢業門檻實施辦法之規定。