

東海大學115學年度日間學士班工學院環境科學與工程學系必修科目表

The list of compulsory subjects for the 115th academic year in the Undergraduate Programs of the Dept of Environmental Science and Engineering, Bachelor, Tunghai University.

列印時間:2026/08/03 09:13

	科 目 Required Courses	學分 Credits	第一學年 1st Academic Year		第二學年 2nd Academic Year		第三學年 3rd Academic Year		第四學年 4th Academic Year		第五學年 5th Academic Year		備 註 Memo
			上 Fall	下 Spring	上 Fall	下 Spring	上 Fall	下 Spring	上 Fall	下 Spring	上 Fall	下 Spring	
基礎課程 Basic Required Courses	11001-中文 (Chinese)	4	2	2									
	16058-大一英文 (Freshman English)	6	3	3									
	16663-大二英文 (Sophomore English)	2			2								
	01028-生成式AI思維 (Generative AI Thinking)	2	2										
	02510-大一體育 (Physical Education (I))	2	1	1									
通識必修科目 General Education Required Courses	99001-人文領域 (Humanities)												通識四領域合計至少12學分：永續實踐領域2學分必修，人文、自然、社會三領域至少各一門課
	99007-社會領域 (Social Sciences)												Minimum 12 Credits, with 2 Credits in Sustainability Practice and Minimum One Course in Humanities, Natural Sciences, Social Sciences Each
	99008-自然領域 (Natural Sciences)												
	99014-永續實踐領域 (Sustainability Practice)												
學系必修科目 Department Required Courses	21004-普通物理 (General Physics)	3	3										
	22042-普通化學 (General Chemistry)	4	2	2									
	22001-普通化學實驗 (General Chemistry Lab.)	2	1	1									
	27157-環境工程 (Environmental Engineering)	6	3	3									
	24383-微積分甲〈一〉 (Calculus A (I))	3	3										重修得以微積分乙(一)替代 Students retaking courses of [Calculus A(I)] can substitute with [Calculus B(I)]
	24385-微積分甲〈二〉 (Calculus A (II))	3		3									重修得以微積分乙(二)替代 Students retaking courses of [Calculus A(II)] can substitute with [Calculus B(II)]
	23310-生物學 (Biology)	3		3									
	27228-環境化學〈一〉 (Environmental Chemistry (I))	2			2								
	27164-環境污染物分析〈一〉 (Environmental Pollutant Analysis (I))	2			2								
	27197-環境生態學 (Environmental Ecology)	3			3								
	27229-環境化學〈二〉 (Environmental Chemistry (II))	2				2							
	27165-環境污染物分析〈二〉 (Environmental Pollutant Analysis (II))	2				2							

	61018-微生物學 (Microbiology)	3				3						
	27040-流體力學 (Fluid Mechanics)	3				3						
	27238-環境分析化學 (Environmental Analytical Chemistry)	3					3					
	27089-環境統計學 (Environmental Statistics)	3						3				
	27243-環工畢業專題 (Senior Project for Environmental Study)	3							3			
必修學分數 Required Credits		78	20	18	9	10	3	3	3			
選修學分數 Elective Credits		50										
畢業學分數 Graduated Credits		128										

說明：

一、本科目表適用本年度入學新生，選修科目請參考學期開課資料。(115.07.13教務會議通訊投票通過)前次修訂時間為(109.04)(109.11)(111.04)(111.11)(112.04)(113.04)(113.06) (113.11)(114.04)(114.11) 1.The list of Required Courses applies to students admitted this academic year. For elective subjects, please refer to the department's course offerings. (Approved by the Academic Affairs Council on July 13, 2026)