

東海大學112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 112th academic year in the Undergraduate Programs of the Dept of Environmental Science and Engineering, Bachelor, Tunghai University.

列印時間:2026/08/04 15:01

	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	下	上	下	上	下	上	下	上	下	
			Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	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									
	16059-大二英文 (Sophomore English)	4			2	2							
	01019-AI思維與程式設計 (AI Thinking & Basic Program)	2	2										
	01023-全民國防教育 (All-out Defense Education)												
	02001-大一體育 (Physical Education (I))												
	02002-大二體育 (Physical Education (2))												
通識必修科目 General Education Required Courses	99001-人文領域 (Humanities)												通識七領域必修永續實踐領域一門課，人文、自然、社會三領域各一門課，至少修習12學分
	99007-社會領域 (Social Sciences)												Minimum 12 Credits, the seven areas of General Education, with Minimum One Course in Humanities, Natural Sciences, and Social Sciences Each.
	99008-自然領域 (Natural Sciences)												
	99009-文明與經典領域 (Civilization and Classic)												
	99010-領導與倫理領域 (Leadership & Ethics)												
	99013-議題導向領域 (Issue-oriented)												
	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	19	17	9	12	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。(112.04.18教務會議通過) 前次修訂時間為(105.04)(105.11)(106.11)(107.11)(108.04)(109.04)(109.11)(111.04)(111.11)

二、自101學年度起入學新生符合本校學生體育畢業門檻實施辦法之規定。 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 April 18, 2023) 2.Students admitted in the 101st academic year must adhere to the school's implementation measures regarding physical education graduation requirements.