

中國文化大學 理工學院 資訊工程學系 必修科目表

115 學年度起入學新生實施

必修類別	科目名稱	規定學分	一年級		二年級		三年級		四年級		備註
			上	下	上	下	上	下	上	下	
通識科目	校本課程	2	1					1			三選一
	國文	4	2	2							
	外文：閱讀與聽講（一）	3	1.5	1.5							
	外文：閱讀與聽講（二）	3			1.5	1.5					
	跨域專長	12			6	6					
	人文學科領域	4	4	4							
	社會科學領域	4									
共同科目	體育	0	0	0	0	0					
通識及共同必修學分合計		32	8.5	7.5	7.5	7.5		1			
院必	(N246)人工智慧應用與規劃實務	3	3								三選一
	(N247)淨零排放與綠色科技	3	3								
	(N248)前瞻科技	3		3							
專業必修科目	(I179)計算機數學	3	3								院核心
	(7261)計算機概論	3	3								
	(6731)程式設計	3	3								
	(7257)離散數學	3		3							
	(4633)物件導向程式設計	3		3							
	(6277)機率與統計	3			3						
	(2314)資料結構	3			3						
	(7304)數位系統導論	3			3						
	(8909)數位系統實驗	1			1						
	(2184)線性代數	3				3					
	(3468)演算法	3				3					
	(3291)電腦網路	3				3					
	(7231)系統分析與設計	3					3				
	(6353)資訊系統專題	4						2	2		
專業必修學分合計		44	9-12	6-9	10	9	3	2	2	0	
必修學分總計		76	17.5-20.5	13.5-16.5	17.5	16.5	3	3	2	0	
最低畢業學分數		128 學分									
其他修業規定：											
專業必選學分		需依本系學群規範修習必選總學分至少需達18學分。									
全球競爭力檢定		通過全球競爭力檢定，依本校「學士班學生全球競爭力檢定實施辦法」辦理，詳細資訊請參考教務組網頁。 https://reg.pccu.edu.tw/									
倫理課程		參與「職業倫理」、「中華文化專題」，依本校「職業倫理教育實施要點」及「中華文化專題講座實施要點」辦理，詳細資訊請參考綜合業務組網頁。 https://cur.pccu.edu.tw/									
全人學習護照		參與全人學習護照各項學習活動達認證標準，依本校「全人學習護照實施辦法」辦理，詳細資訊請參考課外活動組網頁。 https://activity.pccu.edu.tw/									

Department of Computer Science and Information Engineering , College of Natural Science and Engineering

Categories for Compulsory Courses	Course Title	Credit Hours	1st Year		2nd Year		3rd Year		4th Year		Remark
			1st semester (Sep)	2nd semester (Feb)	1st semester (Sep)	2nd semester (Feb)	1st semester (Sep)	2nd semester (Feb)	1st semester (Sep)	2nd semester (Feb)	
Required Courses											
General Required Courses	SCHOOL—BASED CURRICULUM	2	1					1			Choose 1 of 3 Courses
	CHINESE	4	2	2							
	FOREIGN LANGUAGE READING AND CONVERSATION(1)	3	1.5	1.5							
	FOREIGN LANGUAGE READING AND CONVERSATION(2)	3			1.5	1.5					
	INTERDISCIPLINARY PROGRAM	12			6	6					
	ART AND HUMANITIES	4	4	4							
	SOCIAL SCIENCES	4									
Common Courses	PHYSICAL EDUCATION	0	0	0	0	0					
Total General and Common Courses Credits		32	8.5	7.5	7.5	7.5		1			
Required Courses by College	(N246) ARTIFICIAL INTELLIGENCE APPLICATIONS AND PLANNING PRACTICE	3	3								Choose 1 of 3
	(N247) NET ZERO EMISSIONS AND GREEN TECHNOLOGIES										
	(N248) EMERGING TECHNOLOGIES										
Required Courses by Department	(I179)COMPUTER MATHEMATICS	3	3								Core Courses
	(7261)INTRODUCTION TO COMPUTER SYSTEMS	3	3								
	(6731)PROGRAMMING	3	3								
	(7257)DISCRETE MATHEMATICS	3		3							
	(4633)OBJECT-ORIENTED PROGRAMMING	3		3							
	(6277)PROBABILITY & STATISTICS	3			3						
	(2314)DATA STRUCTURES	3			3						
	(7304)INTRODUCTION TO DIGITAL SYSTEMS	3			3						
	(8909)DIGITAL SYSTEM LABORATORY	1			1						
	(2184)LINEAR ALGEBRA	3				3					
	(3468)ALGORITHMS	3				3					
	(3291)COMPUTER NETWORKS	3				3					
	(7231)SYSTEMS ANALYSIS AND DESIGN	3					3				
	(6353)SPECIAL TOPIC ON INFORMATION SYSTEMS	4						2	2		
Total Credits of Required Subjects		44	9-12	6-9	10	9	3	2	2	0	
Total Required Credits		76	17.5-20.5	13.5-16.5	17.5	16.5	3	3	2	0	
Graduate Credits		128									
Other provisions of graduate requirements :											
Credits for Required Elective Courses		The required total credits for taking the required elective courses among the three professional academic groups of this department must be at least 18.									

Global competitiveness	Passing the "Implementation Measures for the Global Competitiveness Assessment of University Students" is mandatory for graduation. Visit the website of the Registration Section for more information.
Professional Ethics/ Special Topics in Chinese Culture	According to the university's 'Implementation Guidelines for Professional Ethics Education' and 'Implementation Guidelines for Chinese Culture Topics Lectures,' students are required to participate in two-semester courses: 'Professional Ethics' and 'Chinese Culture Topics.' For detailed information, please refer to the website of the Curriculum Section: https://cur.pccu.edu.tw/
Whole Person Learning Passport	To fulfill the Whole Person Learning Passport requirements, students must actively participate in various learning activities. These activities are organized in accordance with our university's guidelines for the Whole Person Learning Passport. For more detailed information, please visit the website of the Extracurricular Activities Section at https://activity.pccu.edu.tw/