

中國文化大學 理工學院 應用數學系 必修科目表

114 學年度入學新生適用

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	國文	4	2	2							五選一課程
	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	2	4	4						
	社會科學領域	4									
	自然科學與數學領域	2									
共同科目	體育	0	0	0	0						
通識及共同必修學分合計		32	5.5	7.5	11.5	7.5					
院必	(8796)基礎科學概論	2	2								
專業必修科目	(2021)微積分	8	4	4							
	(2026)普通物理學	3	3								
	(2027)普通物理實驗	1	1								
	(2186)計算機導論	3	3								
	(6731)程式設計	3		3							
	(I060)高等微積分(一)	4			4						
	(2182)機率論	3			3						
	(2184)線性代數	6			3	3					
	(4009)統計學	3				3					
	(2188)數值分析	3					3				
(7257)離散數學	3					3					
專業必修學分合計		42	13	7	10	6	6	0	0	0	
必修學分總計		74	18.5	14.5	21.5	13.5	6	0	0	0	
最低畢業學分數		128 學分									
其他修業規定：											
全球競爭力檢定	通過全球競爭力檢定，依本校「大學部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 Applied Mathematics

Effective for Students Enrolled in and from the 2025 Academic Year

Compulsory Category	Course Name	Credit Hours	1st Year		2nd Year		3rd Year		4th Year		Remark
			1st semester (Sept.)	2nd semester (Feb)	1st semester (Sept.)	2nd semester (Feb)	1st semester (Sept.)	2nd semester (Feb)	1st semester (Sept.)	2nd semester (Feb)	
University											
General Required Courses	CHINESE	4	2	2							Choose 1 of 5 Courses
	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					
	HUMANITY, CIVILIZATION AND ART	4	2	4	4						
	SOCIAL SCIENCES	4									
	NATURAL SCIENCES AND MATHEMATICS	2									
Common Courses	PHYSICAL EDUCATION	0	0	0	0	0					
Total General and Common Courses Credits		32	7	9	10	6					
College of Science											
Common Required Courses	(8796)FUNDAMENTALS OF SCIENCES	2	2								
Program Required Courses	(2021)CALCULUS	8	4	4							
	(2026)GENERAL PHYSICS	3	3								
	(2027)GENERAL PHYSICS LAB.	1	1								
	(2186)INTRODUCTION TO COMPUTER SCIENCE	3	3								
	(6731)COMPUTER PROGRAMMING	3		3							
	(I060)ADVANCED CALCULUS(I)	4			4						
	(2182)PROBABILITY THEORY	3			3						
	(2184)LINEAR ALGEBRA	6			3	3					
	(4009)STATISTICS	3				3					
	(2188)NUMERICAL ANALYSIS	3					3				
	(7257)DISCRETE MATHEMATICS	3					3				
Total Credits of Required Subjects		42	13	7	10	6	6	0	0	0	
Total Required Credits		74	18.5	14.5	21.5	13.5	6	0	0	0	
Graduate Credits		128									
Other provisions of graduate requirements :											
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: http://cur.pccu.edu.tw/ezfiles/7/1007/img/166/HL30.pdf ."										
Whole Person Learning	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										

Passport	Activities Section at https://activity.pccu.edu.tw/ ."
----------	--