中國文化大學 理工 學院 生命科學系　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	國文	4	2	2							
	外文(含實習)	6	1.5	1.5	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									
	校本課程	2	2								
共同科目	體育	0	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	(N246)人工智慧應用與規劃	3		3							院必(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	(2021) 微積分	3	3								院必
	(1404) 普通生物學	6	3	3							
	(1905) 普通生物學實驗	2	1	1							
	(2019) 普通化學	3	3								
	(2020) 普通化學實驗	1	1								
	(2026) 普通物理學	3	3								
	(8790) 生物文獻導讀	2				2					
	(3416) 生物統計學	3				3					
	(9882) 生物化學（一）	3			3						
	(5446) 生態學	3				3					
	(2077) 遺傳學	3			3						
	(2076) 植物生理學	3						3			二選一
	(5593) 動物生理學	3					3				
	(0751) 專題討論	2					2				
	(2359) 專題研究	2							2		
	(9883) 生物化學 (二)	3				3					分子與細胞生物學群 五選二課程 (必修學分 6 學分)
	(2732) 細胞生物學	3						3			
	(5432) 微生物學	3					3				
	(2392) 分子生物學	3							3		
	(9161) 生物技術	3							3		
	(M504) 分類學原理	3			3						生態與演化學群 三選二課程 (必修學分 6 學分)
	(M506) 組織學	3						3			
	(6868) 演化生物學	3						3			
	(2347) 生物統計實習	1				1					技術與實驗(習)課程九選七課程 (必修學分 7-8 學分)
	(M505) 分類學實驗	1			1						
	(2173) 遺傳學實驗	1			1						
	(5433) 微生物學實驗	1					1				
	(2179) 生物化學實驗	1				1					
	(5571) 生態學實驗	1				1					
	(2172) 植物生理學實驗	1						1			
	(5594) 動物生理學實驗	1					1				
	(A494) 生物技術實驗	2							2		
專業必修學分合計		61-62	14	7	6-11	8-14	2-10	0-13	2-10	0	
必修學分總計		93-94	21.5	14.5	17.5—22.5	15.5-21.5	2-10	0-13	2-10	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/

Chinese Culture University, Required Courses List,

Department of Life Science, College of Science

Effective for Students Enrolled in and from the 2026-2030Academic Year

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	CHINESE	4	2	2							
	FOREIGN LANGUAGE	6	1.5	1.5	1.5	1.5					Choose 1 of 6 Courses
	INTERDISCIPLINARY PROGRAM	12			6	6					
	ART AND HUMANITIES	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**	**5.5**	**7.5**	**11.5**	**7.5**					
Required Courses by College	(N246) ARTIFCIAL INTELLIGENCE APPLICATION AND PLANNING PRACTIC	3		3							Choose 1 of3 Courses
	(N247) NET ZERO EMISSIONS AND GREEN TECHNOLOGIES	3		3							
	(N248) EMERGING TECHNOLOGIES	3		3							
Required Courses by Department	(2021) CALCULUS	3	3								
	(2019) GENERAL CHEMISTRY	3	3								
	(2020) GENERAL CHEMISTRY LAB.	1	1								
	(1404) GENERAL BIOLOGY	6	3	3							
	(1905) GENERAL BIOLOGY LAB.	2	1	1							
	(2026) GENERAL PHYSICS	3	3								
	(8790) BIOLOGICAL PAPER READING GUIDE	2				2					
	(3416) BIOMETRICS	3				3					
	(9882) BIOCHEMISTRY 1	3			3						
	(5446) ECOLOGY	3				3					
	(2077) GENETICS	3			3						
	(2076) PLANT PHYSIOLOGY	3						3			Choose 1 of 2 Courses
	(5593) ANIMAL PHYSIOLOGY)	3					3				
	(0751) SEMINAR	2					2				
	(2359) RESEARCH IN SPECIAL TOPICS	2							2		
	(2732) CELL BIOLOGY	3						3			Choose 2 of 5 Courses For Molecular and Cellular Group
	(5432) MICROBIOLOGY	3					3				
	(9883) BIOCHEMISTRY 2	3				3					
	(2392) MOLECULAR BIOLOGY	3							3		
	(9161) BIOTECHNOLOGY	3							3		
	(M504) PRINCIPLE OF TAXONOMY	3			3						Choose 2 of 3 Courses For Ecology and Evolution
	(M506) HISTOLOGY	3						3			
	(6868) EVOLUTIONARY BIOLOGY	3					3				
	(2347) PRACTICE OF BIOSTATISTICS	1				1					Choose 7 of 11 Courses For Lab.
	(M505) TAXONOMY LAB.	1			1						
	(2173)GENETICS LAB.	1			1						
	(5433) MICROBIOLOGY LAB.	1					1				
	(2179) BIOCHEMISTRY LAB.	1				1					

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)	
	(5571) ECOLOGY LAB.	1				1					
	(2172) PLANT PHYSIOLOGY LAB.	1						1			
	(5594) ANIMAL PHYSIOLOGY LAB.	1					1				
	(A494) BIOTECHNOLOGY LAB.	2							2		
Total Credits of Required Subjects		61-62	14	7	6-11	8-14	2-10	0-13	2-10	0	
Total Required Credits		93-94	21.5	14.5	17.5—22.5	15.5-21.5	2-10	0-13	2-10	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 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/."