

Fu Jen Catholic University ,Department of Graduate Institute of Applied Science and Engineering (輔仁大學應用科學與工程研究所)
Ph. D Program Courses List (博士班：必修課程 / 選修課程) 列表
Effective for Students Enrolled in and from the 2021 (Aug) ~ (Jul) Academic Year (110學年度起學生適用)

Categories for Compulsory	Course Title	Credit Hours	1st Year		2nd Year		3rd Year		4th Year		Remark
			1st semester	2nd semester	1st semester	2nd semester	1st semester	2nd semester	1st semester	2nd semester	
Required Courses by Department 所必修課程	Thesis/ 論文	12					12	12	12	12	
	Seminar 專題討論	4	1	1							
	Special Topics - Biotechnology & Medicine(I) 專題研究-生物科技暨醫學領域(一)	1			1						
	Special Topics - Biotechnology & Medicine (II) 專題研究-生物科技暨醫學領域(二)	1				1					
	Special Topics - Biotechnology & Medicine(III) 專題研究-生物科技暨醫學領域(三)	1					1				
	Special Topics - Biotechnology & Medicine (IV) 專題研究-生物科技暨醫學領域(四)	1						1			
	Special Topics -Opto-Electronic Technology(I) 專題研究-光電科技領域((一)	1			1						
	Special Topics -Opto-Electronic Technology(II) 專題研究-光電科技領域((二)	1				1					
	Special Topics -Opto-Electronic Technology(III) 專題研究-光電科技領域((三)	1					1				
	Special Topics -Opto-Electronic Technology (IV) 專題研究-光電科技領域((四)	1						1			
	Special Topics - Information Mathematics (I) 專題研究-資訊數學領域(一)	1			1						
	Special Topics - Information Mathematics (II) 專題研究-資訊數學領域(二)	1				1					
	Special Topics - Information Mathematics (III) 專題研究-資訊數學領域(三)	1					1				
	Special Topics - Information Mathematics (IV) 專題研究-資訊數學領域(四)	1						1			
	Special Topics - Computer Engineering(I) 專題研究-計算機工程領域(一)	1			1						
	Special Topics - Computer Engineering(II) 專題研究-計算機工程領域(二)	1				1					
	Special Topics - Computer Engineering(III) 專題研究-計算機工程領域(三)	1					1				
	Special Topics - Computer Engineering(IV) 專題研究-計算機工程領域(四)	1						1			
	Special Topics - Electrical Engineering(I) 專題研究-電機工程領域((一)	1			1						
	Special Topics - Electrical Engineering(II) 專題研究-電機工程領域((二)	1				1					

		Special Topics - Electrical Engineering(III) 專題研究-電機工程領域((三)	1					1			
		Special Topics - Electrical Engineering(IV) 專題研究-電機工程領域((四)	1						1		
Total Complusory Credits/ 所必修專業學分			12								
Elective Courses/ 所專業選修											
English/ Chinese Course Title		Credit Hours	1st Year		2nd Year		3rd Year		4th Year		
			1st semester	2nd semester	1st semester	2nd semester	1st semester	2nd semester	1st semester	2nd semester	
Elective Courses by Department 所專業選修	English for Science and Technology 科技英文	3	3								*At least 15 professional credits (12 credits for specialized fields+ 3 credits Non-specialized fields) 選修15學分(12學分為專攻領域+ 3學分非專攻領域) * (Non-specialized fields) Management of Technology and Innovation 科技管理為非專攻領域課程 *(As a requirement for graduation) English for Science and Technology 科技英文為畢業要件
	Management of Technology and Innovation 科技管理	3		3							
	Biotechnology & Medicine 生物科技暨醫學領域	12/24	3	3	3	3	3	3	3	3	
	Opto-Electronic Technology 光電科技領域	12/24	3	3	3	3	3	3	3	3	
	Information Mathematics 資訊數學領域	12/24	3	3	3	3	3	3	3	3	
	Computer Engineering 計算機工程領域	12/24	3	3	3	3	3	3	3	3	
	Electrical Engineering 電機工程領域	12/24	3	3	3	3	3	3	3	3	
Total Elective Credits 所專業選修學分		12+3/24									
Graduate Credits／應畢業學分		35									