

115學年度碩士班入學生科目表  
Master Course

	第一學年 First year					第二學年 Second year				
	科目名稱 Subject name	上學期 Semester1		下學期 Semester2		科目名稱 Subject name	上學期 Semester3		下學期 Semester4	
		學分 credit	時數 Hours	學分 credit	時數 Hours		學分 credit	時數 Hours	學分 credit	時數 Hours
必修 Compulsory	書報討論(一) SEMINAR(1)	2	2							
	書報討論(二) SEMINAR(2)			2	2					
	合計 Total	2	2	2	2	合計 Total	0	0	0	0
選修 Elective	資料分析與分群 DATA ANALYSIS AND CLUSTERING	3	3			雲端運算 CLOUD COMPUTING	3	3		
	資料壓縮 DATA COMPRESSION	3	3			類神經網路 NEURAL NETWORK	3	3		
	雲端軟體架構 CLOUD SOFTWARE ARCHITECTURE	3	3			巨量資料分析 BIG DATA ANALYSIS			3	3
	語音與語言處理 SPEECH AND LANGUAGE PROCESSING	3	3			深度學習 DEEP LEARNING			3	3
	虛擬實境 VIRTUAL REALITY	3	3			區塊鏈 BLOCK CHAIN			3	3
	物聯網軟體架構 INTERNET OF THINGS SOFTWARE ARCHITECTURE	3	3			機器學習 MACHINE LEARNING			3	3
	物聯網雲端系統建構技術 THE TECHNOLOGY OF CLOUD-BASED IOT SYSTEM	3	3			生成式人工智慧 GENERATIVE ARTIFICIAL INTELLIGENCE	3	3		
	演化計算 EVOLUTIONARY COMPUTATION	3	3							
	物件導向軟體工程 OBJECT-ORIENTED SOFTWARE ENGINEERING			3	3					
	資料探勘 DATA MINING			3	3					
	數位影像處理 DIGITAL IMAGE PROCESSING			3	3					
	計算機圖學 COMPUTER GRAPHICS			3	3					
	下世代通訊網路 NEXT GENERATION COMMUNICATION NETWORKS			3	3					

多媒體行動網路 MULTIMEDIA MOBILE NETWORKS			3	3					
視訊處理 VIDEO PROCESSING			3	3					
行動計算 MOBILE COMPUTING			3	3					
智慧物聯網 ARTIFICIAL INTELLIGENCE OF THINGS			3	3					
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**Master's Graduation Requirements:**

1. Master's students must write a master's thesis and pass the thesis oral defense before graduation. When applying for the oral defense, students must have at least one conference paper accepted or one journal paper submitted to a domestic or international journal (proof from the editor is required). Except for the advisor, the student must be the first author of the paper.
2. Students must complete 28 credits for graduation, including required and elective courses. Among them, 4 credits are required courses and 24 credits are major elective courses.
3. First-year and second-year master's courses can both be selected as elective courses.

備註：

