

Curriculum Table (Since 2012 Academic Year)
 Graduate Class
 Department of Computer Science and Information Engineering
 National Formosa University

Academic year	First Year					
Semester	First			Second		
	Subject	Credit	Hours	Subject	Credit	Hours
Compulsory subject	專題研討(一) Project Discussing (I)	0	2	專題研討(二) Project Discussing(II)	0	2
	科技論文寫作 Scientific Writing	3	3	書報討論(二) Seminar(II)	0	2
	書報討論(一) Seminar(I)	0	2	*華語教學(二) The Teaching of Chinese(2)	0	4
	*華語教學(一) The Teaching of Chinese(1)	0	4			
	total		3	11		0
Elective Courses	無線射頻辨識系統與應用 RFID System and Applications	3	3	新一代 web 技術 New Generation Web Technology	3	3
	圖形識別 Pattern Recognition	3	3	軟硬體協同設計與應用 Software and Hardware Co-design and Applications	3	3
	電腦視覺處理 computer vision processing	3	3	數位視訊處理 Digital Video Processing	3	3
	感測網路實驗 Sensor network experiments	3	3	資料隱藏 Data Hiding	3	3
	生物計算 Computational Biology	3	3	高等演算法 Advanced Algorithms	3	3
	可編程系統單晶片設計實務 SOPC Design	3	3	智慧型機器人系統應用 專題 Intelligent Robot System Application Project	3	3
	行動商務安全 M-Commerce Security	3	3	雲端作業系統 Cloud Operating Systems	3	3
	其他 Otherwise			行動計算與應用 Mobile Computing and Applications	3	3
				數值方法 Numerical Methods	3	3
				其他 Otherwise		

Academic year	Second Year					
Semester	First			Second		
Compulsory subject	Subject	Credit	Hours	Subject	Credit	Hours
	專題研討(三) Project Discussing (III)	0	2	專題研討(四) Project Discussing (IV)	0	2
	碩士論文(一) Master's thesis(I)	3	0	碩士論文(二) Master's thesis(II)	3	0
	書報討論(三) Seminar(III)	0	2	書報討論(四) Seminar(IV)	0	2
	*華語教學(三) The Teaching of Chinese(3)	0	4	*華語教學(四) The Teaching of Chinese(4)	0	4
total		3	8		3	8
Elective Courses	多媒體通訊 Multimedia Communications	3	3	影像擷取裝置設計與應用 Image Capture Device Design and Application	3	3
	高等隱藏學 Advanced Steganography	3	3	高等人工智慧 Advanced Artificial Intelligence	3	3
	資料壓縮 Data Compression	3	3	網路協定工程 Networks Protocol Engineering	3	3
	多代理人系統 Multiagent System	3	3	平行演算法 Parallel Algorithm	3	3
	其他 Otherwise			密碼學 Cryptography	3	3
				智慧型最佳化演算法 Intelligent Algorithm of Optimization	3	3
				其他 Otherwise		

1. 本系碩士班研究生最低畢業總學分數為 30 學分，其中必修包含論文 6 學分、科技論文寫作 3 學分及四學期之專題研討、書報討論，專業選修至少須修滿 21 學分，其中 6 學分可選修外系課程，唯須經指導教授同意。
2. 外國學生須加修*號課程。

1. Please note that the minimum requirement for passing postgraduate study is that students in the CSIE department should have had passed at least 30 credit points for graduation, in which 6 credit points are required for thesis completion, 3 credit points for scientific research writing, and at least 21 credit points from the elective courses. In total credit points of elective courses, 6 credit points are permitted to take from other departments that outside the faculty. For students who want to enroll courses that outside the faculty should have had gained the permissions from their supervisors. In addition, the minimum requirement also includes a pass of four-consecutive semesters of seminars participations.

2. *required course for foreign student