國立勤益科技大學115學年度進修部碩士在職專班資訊工程系學分計畫表

National Chin-Yi University of Technology Continuing Education Division
Curriculum for 2026 In-Service Master Program Department of Computer Science and Information Engineering

科目	Courses	上學期First Semester			下學期Second Semester		
		學分 Credit	正課 Lecture	實習 Internship	學分 Credit	正課 Lecture	實習 Internship
共同必修科目(10學分)General Required Courses(10credits hours)							
第一學年First Year							
專題討論(一)	Seminar (I)	1	2	0			
專題討論(二)	Seminar (II)				1	2	0
第二學年Second Year							
專題討論(三)	Seminar (III)	1	2	0			
論文	Papers	3	3	0			
論文	Papers				3	3	0
專題討論(四)	Seminar (IV)				1	2	0

科目	Courses	上學期First Semester			下學期Second Semester		
		學分 Credit	正課 Lecture	實習 Internship	學分 Credit	正課 Lecture	實習 Internship
專業選修科目Department Electives Courses							
第一學年First Year							
模糊理論與應用	Fuzzy Theory and Applications	3	3	0			
電腦視覺	Computer Vision	3	3	0			
數位影像處理	Digital Image Processing	3	3	0			
嵌入式系統專論	Monograph of Embedded System	3	3	0			
生物辨識	Biometrics Identification	3	3	0			
科技英文寫作(一)	Technology English Writing (I)	3	3	0			
無線網路應用與分析	Wireless Network Application and Analysis	3	3	0			
網際網路程式：ASP.NET	ASP.NET	3	3	0			
程式方法論	Procedural Methodology	3	3	0			
機器學習	Machine Learning	3	3	0			
進階影像辨識	Advanced Image Recognition	3	3	0			
雲端計算與服務	Cloud Computing and Service Applications	3	3	0			
3D 電腦動畫技術	3D Computer Animation Technology	3	3	0			
網路安全專論	Advanced Topics in Cyber Security	3	3	0			
雲端計算	Cloud Computing				3	3	0
深度學習	Deep Learning				3	3	0
物件導向系統分析	Object-Oriented System Analysis				3	3	0
網路協定工程	TCP/IP Protocols				3	3	0
人工智慧	Artificial Intelligence				3	3	0
信號處理系統設計	System Design in Digital Signals				3	3	0
嵌入式驅動程式設計	Embedded Driver Chip Design				3	3	0
系統整合與設計	Cloud System Integration and Design				3	3	0
科技英文寫作(二)	Technology English Writing (II)				3	3	0
系統性創新理論與應用	Systematic Innovation and TRIZ Methodology				3	3	0
醫學影像分析	Medicine Phantom Analysis				3	3	0
軟體工程	Software Engineering				3	3	0
智慧型設備通訊	Smart Device Communication				3	3	0
進階巨量資料分析	Advanced Big Data Analytics				3	3	0
資訊服務管理	Information Service Management				3	3	0
3D 動畫實務創作	3D Animation Practice Creation				3	3	0
行動裝置 APP 設計	Building Mobile Apps				3	3	0
自動機原理專論	Advanced Topics in Automata Theory				3	3	0
第二學年Second Year							
多媒體資訊系統	Multimedia Information Systems	3	3	0			
超啟發式演算法	Meta-Heuristic Algorithm	3	3	0			
多媒體編碼技術	Multimedia Coding Techniques	3	3	0			
遊戲程式分析與設計	Game Programming Analysis and Design	3	3	0			
物聯網技術	Technology of Internet of Things	3	3	0			
跨平台程式設計	Cross-Platform Programming	3	3	0			
生醫儀器系統專論	Special Topics on Bio-Medical Instrument System	3	3	0			
海外研習	Overseas Study	3	3	0			
多媒體安全技術	Multimedia Security Technology				3	3	0
無線感測網路協定與應用	Wireless Sensor Network Protocols and Applications				3	3	0
電腦視覺專論	Advanced Computer Vision				3	3	0
平面顯示技術專論	Flat Panel Display Technology Thesis				3	3	0
系統程式	Operating System				3	3	0

高等演算法專論	Advanced Topics in Algorithms				3	3	0

備註Note:

一、 畢業至少應修滿34學分【必修10學分(含論文6學分),選修至少24學分】。
Students should complete at least 34 credits before graduation including 10 required credits (containing six credits for thesis and four credits for seminar) and 24 elective credits.

二、 研究生必須通過碩士班論文口試,方准予畢業。
The master thesis must be passed by oral defense. Master degree will be conferred in the engineering discipline.

三、 學生應於申請學位考試前至「教育部臺灣學術倫理教育資源中心」網路平臺完成學術研究倫理教育課程,至少6小時課程。
Students need to complete the academic research ethics education course for at least 6 hours before the final defence applicaiton.

四、 為因應法規變更、評鑑建議或政府計畫規定等外在因素,本系保有調整學分計畫之權利。若有修訂,將於學期開始前公告,並明確說明修訂內容、影響範圍及相關配套措施,以保障學生權益。
The department reserves the right to adjust the curriculum in response to external factors such as changes in regulations, suggestions of evaluation and accreditation, or government program regulations. If there are any revisions, will be announced before the start of the semester, and the revised content, scope of impact, and related supporting measures will be clearly stated to protect the rights and interests of students.

五、 特殊選修課程經系課程委員會審議通過,於系網公告後始得認列專業選修學分。
Special elective courses must be reviewed and approved by the Department Curriculum Committee and subsequently announced on the department's website before they can be counted as credits of the Department's Required Courses.

備註Note: