



資訊工程系 碩專班 114 學年度入學課程結構規劃表

2025 Curricula for the In-Service Master's Program in Department of Computer Science and Information Engineering

<div></div> <div>課程類別</div> <div>Course Category</div>			一年級 1 <sup>st</sup> Academic Year						二年級 2 <sup>nd</sup> Academic Year						
			第一學期			第二學期			第一學期			第二學期			
			Semester 1			Semester 2			Semester 1			Semester 2			
			課程名稱	學分數	時數	課程名稱	學分數	時數	課程名稱	學分數	時數	課程名稱	學分數	時數	
			Course Name	Credits	Hours	Course Name	Credits	Hours	Course Name	Credits	Hours	Course Name	Credits	Hours	
	必修	應修學分數 14 學分	專題研討(一) Seminar (1)	2	2	專題研討(二) Seminar (2)	2	2	專題研討(三) Seminar (3)	2	2	專題研討(四) Seminar (4)		2	2
												論文 Thesis		6	6
系專業 課程	選修	應修學分數 24 學分	資料庫系統導論/3/3 Biomedical Algorithms/3/3 高等計算機網路/3/3 Advanced Computer Network/3/3 數位影像處理/3/3 Digital Image Processing/3/3 演算法分析/3/3 Algorithm Analysis/3/3 系統分析/3/3 System Analysis/3/3 高等人工智慧/3/3 Advanced Artificial Intelligence/3/3 網路協定工程/3/3 Network Protocol Engineering/3/3 高等 Linux 系統整合應用/3/3 Advanced Integrated Application of Linux System/3/3 圖型辨識/3/3 Pattern Recognition/3/3												
			電腦視覺/3/3 Computer Vision/3/3 圖形理論/3/3 Graphic Theory/3/3 進階電子商務/3/3 Advanced E-Commerce/3/3 網路資料庫設計及開發/3/3 Internet Database System /3/3 網路安全/3/3 Network Security/3/3 軟體分析/3/3 Software Analysis/3/3 企業電子化專題/3/3 Topics of Electronic Business/3/3 行動通訊程式設計(一)/3/3 Mobile Device Programming (1) /3/3 行動通訊程式設計(二)/3/3 Mobile Device Programming (2) /3/3												
			巨量資料分析/3/3 Big Data Analysis/3/3 雲端計算與服務/3/3 Cloud Computing and Services/3/3 生物資訊學/3/3 Introduction To Computational Biology/3/3 高等資料庫/3/3 Advanced Database/3/3 資料探勘/3/3 Data Mining/3/3 量子電腦程式設計/3/3 Programming Design of Quantum Computers/3/3 網路科學與社會計算/3/3 Network Science and Social Computing/3/3 資料科學/3/3 Data Science 資料科學專題/3/3 Seminar on Data Science/3/3												

**備註：**

- 一、畢業總學分數為 38 學分。
- 二、必修 14 學分，選修 24 學分。
- 三、學生修讀所屬學院之「學院共同課程」應認列為本系專業課程學分；修讀所屬學院之「學院跨領域課程」或其他學院開課之課程，則認列為外系課程學分。
- 四、系所訂定條件（學程、檢定、證照、承認外系學分及其他）：
  - （一）其他相關規定依本系碩士在職專班研究生修讀辦法辦理。

**Notes:**

1. Minimum credit required to graduate: 38 .
2. Required courses: 14 credits; elective courses: 24 credits.
3. Credits earned by students from the common courses offered by their respective colleges shall be accepted as their affiliated department's professional courses. However, credits earned from interdisciplinary courses offered either by their college or by other colleges will be accepted as credits earned from departments outside their own.
4. Departmental requirements (Ex: programs, certifications, licenses, recognition of external department credits, and other requirements):
  - (1) Other relevant regulations shall be handled in accordance with the regulations for the Master's In-Service Program students of the department.

