

慈濟大學資訊科技與管理學系 碩士班 114學年度課程地圖

Curriculum Map of 2025 Academic Year for Master's courses. Department of Information Technology and Management of Tzu Chi University

114學年入學課程表 Course schedule for Fall 2025	一年級 Year 1		二年級 Year 1		教育目標 核心能力 Educational Goals Core Competencies	未來發展 Future Development
	上學期 1st Semester	下學期 2nd Semester	上學期 1st Semester	下學期 2nd Semester		
一般模組必修科目(6) General Program Required subject (6)	研究方法(3)Research Methodology(3) 人工智慧(3)Artificial Intelligence(3)				教育目標： 培養學生具備整合性決策及研究能力，並能自主及獨立判斷的進階資訊管理專業人才。 核心能力： 1. 培育學生具備高階程式設計之能力。 2. 培育學生具備資訊科技與管理之進階專業能力。 3. 培育學生具備研究思辨、問題分析與解決之能力。 4. 培育學生具備智慧科技跨領域專業之能力。 Educational Goals： Cultivate students to be advanced information management professionals with integrated decision-making and research capabilities and the ability to make independent judgments.	升學： 國內、外管理類博士班。 就業： 接軌產業界、學用合一，就業如全球慈濟志業體、醫院、公民營企業、管理公司等資訊相關行業。 Further education： Domestic and foreign management doctoral programs. Employment： Integrate with the industry and integrate learning and application. Employment opportunities include global Tzu Chi organizations, hospitals, private enterprises, management companies, and other information-related industries.
一般模組選修科目(18) General Program Elective subject (18)	選修課程AB(3)*2 AB(3)*2 高等統計學(3)Advanced Statistics(3) 高等演算法(3)Advanced Algorithms(3) 進階統計分析(3)Advanced Statistical Analysis(3)	選修課程CDEF(3)*4 智慧醫療大數據(3)Big Data for Intelligence Medical(3) 機器學習(3)Machine Learning(3) 智慧醫療與照護(3)Smart Health and Care(3) 人工智慧物聯網(3)Artificial Intelligence of Things(3) 資料科學(3)Data Science(3)	深度學習(3)Deep Learning of Artificial Intelligence(3) 雲端運算與巨量資料處理(3)Cloud Computing and Big Data Processing(3) 人工智慧於精準醫療之應用(3)Application of Artificial Intelligence in Precision Medicine(3) 智慧穿戴式裝置(3)Smart Wearable Devices(3) 新一代網路技術(3)New Generation Network Technology(3) 決策分析(3)Decision Analysis(3)	資料探勘與視覺化分析(3)Data Mining and Visualization Analysis(3) 大數據管理策略分析(3)Big Data Management for Strategic Analysis(3) 智慧醫療整合管理(3)Smart Health Integrated Management(3) 醫學影像處理(3)Medical Image Processing(3) 老人福祉科技(3)Elderly Welfare Technology(3) 智慧長照管理(3)Intelligence Long-term Care Management(3)		
雙聯模組必修科目(51) Dual Degree Program Required subject (51)	(德國簽約學校)(HKA) 國際商務與管理(3)International Business and Management(3) 國際組織管理(3)Management of International Organization(3) 歐洲經濟政策(3)European Economic Policy(3) 歐洲商業文化(3)European Business Cultures(3) 歐洲法律體系(3)Legal Systems in Europe(3)	(慈濟大學)(TCU) 亞洲法律與社會(3) Mandatory courses: Asian Law & Society(3) 企業知識與無形資產管理(3)Corporate Management of Intellectual and Intangible Assets(3) 技術密集型企業管理(3)Management of Technology Intensive Company(3) 研究方法(3)Research Methodology(3) 人工智慧(3)Artificial Intelligence(3)	(墨西哥簽約學校)(Mexico) 競爭力的微觀經濟學(3)Microeconomics of Competitiveness(3) 拉丁美洲管理概論(3)Introduction to Latin American Management(3) USMCA(北美自由貿易協定)商業環境(3)USMCA (NAFTA)Business Environment(3) 拉丁美洲的銷售管理流程(3)Sales Administration Process in Latin America(3) 社會責任與永續經營(3)Social Responsibility and Sustainability(3)	碩士論文(6)Master Thesis(6)	1. To cultivate students' high-level programming capabilities. 2. To cultivate students' advanced professional capabilities in information technology and management. 3. Cultivate students' ability to conduct research, critical thinking, problem analysis, and problem-solving. 4. To cultivate students' cross-disciplinary professional capabilities in smart technology.	
雙聯模組選修科目(21) Dual Degree Program Elective subject (21)	選修課程 A(3) (以下擇一) Elective A(3) (one of the following subjects) 選修1 進階生產管理(3) Option A, Advanced Production Management(3) 選修2 全球行銷管理(3) Option B, Global Marketing Management(3) 選修3 企業風險管理(3) Option C, Enterprise Risk Management(3)	論文(1) (4) Thesis(1) (4) 論文(2) (4) Thesis(2) (4) 選修課程 B(3) (以下擇一) Elective B(3) (one of the following subjects) 國際社會工作(3) International Social Work(3) 當代東亞的宗教文化與社會(3) Religious Culture and Society in Contemporary East Asia(3)	論文(3) (4) Thesis(3) (4) 選修課程 C(3) Elective C(3)	論文(3) (4) Thesis(3) (4)		
一般模組：最低畢業學分 24學分 = 必修 6學分(不含碩士論文)、選修 18學分(含)以上 General Program, the minimum graduation credits are 24 credits: 6 for required subjects and at least 18 credits for elective courses. 雙聯模組：最低畢業學分 72學分 = 必修 51學分(含碩士論文)、選修 21學分(含)以上。 Dual Degree Program, the minimum graduation credits are 72 credits: 51 for required subjects and at least 21 credits for elective courses.						
修課規定 Course Regulations	1. 學生需在「一般模組」與「雙聯模組」擇一修課。Students must choose one program from the "General Program" and the "Dual Degree Program". 2. 第一學期結束前須於臺灣學術倫理教育資源中心之網路教學平台修習學術倫理教育研究生課程或校外辦理之學術倫理教育課程，並取得修課證明。Before the end of the first semester, students must complete the Graduate Course in Academic Ethics Education at the Center for Taiwan Academic Research Ethics Education, or take other academic ethics education courses from the school or other institutions to obtain a certificate of attendance. 3. 選修課程依當學期實際開設課程為主。Electives are courses offered in the current semester.					