慈濟大學資訊科技與管理學系　大學部　114學年度課程地圖

Curriculum Map of 2025 Academic Year for Undergraduate. 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 2		三年級Year 3		四年級Year 4	
	上學期 1st Semester	下學期 2st Semester	上學期 1st Semester	下學期 2st Semester	上學期 1st Semester	下學期 2st Semester	上學期 1st Semester	下學期 2st Semester
校核心必修(33) The Core Required Courses of the School (33)	1.通識學分：共同必修8學分、通識選修16學分、院通識4學分。1. General Studies Center Courses: Basic General Courses (Required) 18 credits, General Elective Courses 16 credits, General Courses of the Colleges 4 credits. 2.外語學分：選修2學分。2. Foreign Language Courses: Elective Courses 2 credits. 3.體育學分：必修2學分、活動性選修1學分。3. Physical Education Courses: Required Courses 2 credits, Interest Options for Active Physical Education Elective Courses 1 credit. *校核心必修依學院、本校通識教育中心、體育教學中心及外語教學中心規定辦理。*The core required courses of the school are handled by the regulations of the College, the General Education Center, the Physical Education Center, and the Foreign Language Teaching Center.							
必修_院級(6) College Courses (Required) (6)		氣候變遷與永續發展(2) Climite Change and Sustainable Development(2)	人工智慧進階應用(2) Advanced AI Application(2)			價值領導與自我管理(2) Value Leadership and Self-Management		
必修_專業基礎(20) Professional Basic Courses (Required)(20)	多媒體設計與製作(2) Multimedia Design and Production(2) 計算機概論(3) Introduction to Computer Science(3) 管理數學(2) Management of Mathmatics(2)	管理學(3) Management Fundamentals(3)	機率(2) Probability(2)	統計學(2) Statistics(2)	企業資料通訊(3) Business Data Communications (3)	作業系統(3) Operating System(3)		
必修_專業核心(17) Professional Core Courses (Required)(17)	程式設計(3) Programming(3)	物件導向技術(3) Object-Oriented Technology(3)	資料結構(3) Data Structure(3)	資料庫管理系統(3) Database Management System(3)	專題製作(一)(1) Practical Project 1 (1)	專題製作(二)(1) Practical Project 2 (1)	業界實習(3) Internship in Professional Practice(3)	
選修_就業課程模組I_AI大數據(15) Employment Course Module I AI Big Data (Elective) (15)		人工智慧(3) Artificial Intelligence(3)	資料探勘(3) Data Mining(3)	物聯網(3) Internet of Things(3)	大數據分析(3) Big Data Analytics(3) AI深度學習(3) AI Deep Learning(3)	AIoT實務與應用(3) AIoT Practice and Application(3)	資訊視覺化(3) Information Visualization(3)	
選修_就業課程模組II_數位多媒體(15) Employment Course Module II Digital Multimedia (Elective) (15)		數位影像處理(3) Digital Image Processing(3)	Unity開發實務(3) Unity Development Practice(3)	Unity跨平台應用設計(3) Unity Multi-Platform Application Development(3)	影片剪輯(3) Video Clips(3) 3D電腦動畫(3) 3D Computer Animation(3)	電腦動畫(3) Computer Animation(3)	網路直播與行銷(3) Live Streaming and Marketing(3)	
一般選修(27) General Elective Courses (30)		智慧機器人概論(3) Introduction to Smart Robots(3)	管理資訊系統(3) Management Information System(3)	資訊服務與學習(3) E-Service and Learning(3) 資訊安全管理(3) Information Security Management(3)	演算法(3) Algorithms(3) 軟體工程(3) Software Engineering(3) 專案企劃(1) Project Planning(1)	雲端應用(3) Cloud Application(3) 行動裝置應用程式設計(3) Mobile Applications Design(3) 生成式人工智慧(3) GenerativeArtificial Intelligence(3) 系統分析與設計(3) System Analysis and Design(3)	智慧醫療與照護(3) Smart Health and Care(3) 全端系統管理(3) Full-end System Management(3) 企業流程再造(3) Business Process Reengineering(3) /機構實習(一)(9) /IndustryInternship (I) (9)	網頁規劃與設計(3) Web Planning and Design(3) 管理書報討論(3) Management Literature Reading and Discussion(3) 醫療資訊管理(3) Medical Information Management(3) 混合實境(3) Mixed Reality(3) /機構實習(二)(9) /IndustryInternship (II) (9)
校核心必修(33)+必修_院級(6)+必修_專業基礎(20)+必修_專業核心(17)+選修_就業課程模組I_AI大數據(15)+選修_就業課程模組II_數位多媒體(15)+一般選修(27)=共133學分 The Core Required Courses of the School(33)+College Courses (Required)(6)+Professional Basic Courses (Required) (20)+Professional Core Courses (Required)(17)+Employment Course Module I AI Big Data (Elective)(15)+Employment Course Module II Digital Multimedia (Elective) (15)+General Elective Courses(27)=133 credits in total.								
修課規定 Course Regulations	一、專業選修課程依當學期實際開設課程為主。 1. Electives are courses offered in the current semester.							

教育目標：
1、培養具人文素養與重視職場倫理之資訊人才。
2、培養系統整合及問題解決能力之資訊人才。
3、培養跨領域及國際觀之資訊人才。

Educational Goals：
1. Cultivate information talents with humanistic qualities and emphasis on workplace ethics.
2. Cultivate information talents with system integration and problem-solving abilities.
3. Cultivate information talents with cross-disciplinary and international perspectives

核心能力：
1、 培育學生具備程式設計之能力。
2、 培育學生具備多媒體應用之能力。
3、 培育學生具備資訊科技與管理之專業能力。
4、 培育學生創新創意之能力。
5、 培育學生具備科技人文素養及資訊倫理道德之融合能力。
6、 培育學生具備邏輯思考之能力。
7、 培育學生具備跨域學習之能力。

Core Competencies：
1. Cultivate students' programming abilities.
2. Cultivate students' ability to apply multimedia.
3. Cultivate students' professional capabilities in information technology and management.
4. Cultivate students' innovative and creative abilities.
5. Cultivate students' ability to integrate science, technology, humanities, and information ethics.
6. Cultivate students' ability to think logically.
7. Cultivate students' ability to cross-disciplinary learning.

升學：
國內、外管理類碩士班。

Further education：
Domestic and foreign management master's programs.

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。

Employment：
Integrating learning and application with the industry. Employment includes global Tzu Chi organizations, hospitals, private enterprises, management companies, and other information-related industries.