慈濟大學資訊科技與管理學系　大學部　113學年度課程地圖

Curriculum Map of 2024 Academic Year for Undergraduate. Department of Information Technology and Management of Tzu Chi University

113學年入學 課程表 Course schedule for Fall 2024	一年級Year 1		二年級Year 2		三年級Year 3		四年級Year 4		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 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。General Studies Center Courses: Basic General Courses (Required) 18 credits, General Elective Courses 16 credits, General Courses of the Colleges 4 credits. 2.體育學分：必修2學分、活動性選修1學分。Physical Education Courses: Required Courses 2 credits, Interest Options for Active Physical Education Elective Courses 1 credit. 3.外語學分：選修2學分。Foreign Language Courses: Elective Courses 2 credits. *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.								**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-field and international perspectives. **核心能力：** 1、培育學生具備資訊科技與管理之基礎技能。 2、培育學生具備資訊科技與管理之專業技能。 3、培育學生創新創意之技能。 4、培養學生具備科技人文素養及資訊倫理道德之融合能力。 5、培育學生具備邏輯思考及溝通協調之能力。 6、培育學生具備跨領域學習及多元學習之能力。 **Core Competencies：** 1. Cultivate students with basic skills in information technology and management. 2. Cultivate students with professional skills in information technology and management. 3. Cultivate students' innovative and creative skills. 4. Cultivate students with the ability to integrate scientific and technological humanities literacy and information ethics. 5. Cultivate students' abilities in logical thinking, communication and coordination. 6. Cultivate students' abilities in cross-domain learning and diversified learning.	**升學：** 國內、外管理類碩士班。 **Further education：** Domestic and foreign management master's programs. **就業：** 大三暑假校內外實習，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：** Internships on and off campus during the summer vacation of the junior year, integrating learning and application with the industry. Employment includes global Tzu Chi organizations, hospitals, private enterprises, management companies, and other information-related industries.
必修_院級(6) College Courses (Required) (6)	計算機概論(2) Introduction to Computer Science(2)		職場跨領域學習與應用 (2) Interdisciplinary Curriculum Applied in the Occupy(2)		專業英文(一) (1) Professional English(1) (1)		專業英文(二) (1) Professional English(2) (1)			
必修_專業基礎 (27) Professional Basic Courses (Required) (27)	微積分(2)Calculus(2) 計算機概論實習(1)Pratice of Introduction to Computer Science(1) 程式設計(2) Programming(2) 程式設計實習(1) Pratice of Programming(1) 管理學(3) Management Fundamentals(3)	管理數學(2) Management of Mathmatics(2) 物件導向技術(2) Object-Oriented Technology(2) 物件導向技術實習(1)ObjectOrientedTechnicalInternship(1)	資料結構(2) Data Structure(2) 資料結構實習(1) Data Structures and Lab(1) 機率(2) Probability(2)	統計學(2) Statistics(2) 資料庫管理系統(2) Database Management System(2) 資料庫管理系統實習(1) Database Management System Internship(1)	作業系統(3) Operating System(3)					
必修_專業核心 (21) Professional Core Courses (Required) (21)	多媒體設計與製作(3) Multimedia Production(3)		管理資訊系統(3) Management Information System(3)	演算法(3) Algorithms(3)	企業資料通訊(3) Business Data Communications (3) 專案企劃(1) Project planning(1)	雲端應用(3) Cloud Application(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)		物聯網(3) Internet of Things(3)	資料探勘(3) Data Mining(3)	大數據分析(3) Big Data Analytics(3) 人工智慧(3) Artificial Intelligence(3)	AI深度學習(3) AI Deep Learning(3)	資訊視覺化(3) Information Visualization(3)	AIoT實務與應用(3) AIoT Practice and Application(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(16) General Elective Courses (16)		資訊科技與管理概論(2) An Introduction for Information Technology and Management(2)	資訊安全管理(3) Information Security Management(3)	資訊服務與學習(2) E-Service and Learning(2)		行動裝置應用程式設計 (3) Mobile Applications Design(3)	智慧醫療與照護(3) Smart Health and Care(3)	網頁規劃與設計(3) Web Planning and Design(3) 管理書報討論(3) Management Seminar(3) 醫療資訊管理(3) Medical Information Management(3) 混合實境(3) Mixed Reality(3)		
	校核心必修(33)+必修_院級(6)+必修_專業基礎(27)+必修_專業核心(21)+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(16)=共133學分 The Core Required Courses of the School(33)+College Courses (Required)(6)+Professional Basic Courses (Required) (27)+Professional Core Courses (Required)(21)+Employment Course Module I AI Big Data (Elective)(15)+Employment Course Module II Digital Multimedia (Elective) (15)+General Elective Courses(16)=133 credits in total.									
修課規定 Course Regulations	一、本系學生畢業門檻如下：學生於在校期間需取得本校學生考取專業證照獎勵辦法中，本系明訂之任何2張國內乙級技能檢定或國際證照。1. The graduation threshold for students of this Department is as follows: During the school period, students need to obtain any 2 pieces of domestic second-class skills certificates or international certificates, which are listed in the reward method for this school's students to obtain the department's professional certificates. 二、專業選修課程依當學期實際開設課程為主。2. Electives are courses offered in the current semester.									