

慈濟大學 114學年度 資訊科技與管理學系(大學部)開課科目及學分時數表
Tzu Chi University. Bachelor's Degree Program in the Department of Information Technology and Management, 2025.

114.06.02 系課程委員會製訂(June 2, 2025: Approved by the Department Curriculum Committee)

114.06.04 院課程委員會製訂(June 4, 2025: Approved by the College Curriculum Committee)

114.06.05 校課程委員會製訂(June 5, 2025: Approved by the University Curriculum Committee)

科目類別 Subject Category	新聞課程註記 檢附課綱 Course Notes & Syllabus	課程中文名稱 Course Title in Chinese	課程英文名稱 Course Title in English	學分 Credits	時數 Hours	開課學年度Year 1 114(2025)		開課學年度Year 2 115(2026)		開課學年度Year 3 116(2027)		開課學年度Year 4 117(2028)		備註 Note	Special Topic Course主題課程：註記V 1.職涯或生涯發展相關課程 2.業界合作「跨界應用」課程 3.全英課程(附檢核表) 4.遠距課程 5.其他(自行註記,如雙週授課)									
						1st Semester	2nd Semester	1st Semester	2nd Semester	1st Semester	2nd Semester	1st Semester	2nd Semester		1	2	3	4	其它					
共同必修 Basic General Courses (Required)		中文閱讀與書寫 *基礎英文 慈濟人文 **程式設計	Chinese Reading and Writing Fundamental English Tzu-Chi Philosophy Programming	2 2 2 2	2 2 2 2										8 credit(s) 8學分									
		*基礎英文課程分為4級：Pre-A1、A1、A2、B1。學生依入學英文成績分級，須依其級別或高於核定級別修課。無入學英文成績者，由外語教學中心另安排測試分級。全學年開課，可於上或下學期修課。 Foundational English courses are offered at four levels: Pre-A1, A1, A2, and B1. Placement is based on students' entry-level English scores, or a test arranged by the Foreign Language Education Center if no score is provided. Courses are available in both fall and spring semesters.																						
		通識選修課程	General Elective Courses	16	16	通識選修共分為七類課群，學生須至少修習四個不同課群，每課群至少2學分。建議於一、二年級修完。 General Education elective courses are divided into seven categories. Students must complete courses from at least four different categories, earning a minimum of 2 credits in each. It is recommended that these requirements be completed during the first or second year.										16 credit(s) 16 學分								
		院通識課程	General Courses of the Colleges	4	4	由各學院規劃。Planned by each college.										4 credit(s) 4 學分								
		小計	Total Credits	28	28																			
		外語課程 Foreign Language		Foreign Language Courses		2	2	外語課程包括英語檢定課程（多益、托福、雅思等）及第二外語（日、韓、法、德、西、印、泰、越），擇一修習，建議於一、二年級完成。 Foreign language courses include English certification courses (e.g., TOEIC, TOEFL, IELTS) and second foreign languages (Japanese, Korean, French, German, Spanish, Indonesian, Thai, Vietnamese). Students choose one to take, preferably in their first or second year.										2 credit(s) 2 學分						
		小計	Total Credits	28	28																			
		運動與健康	Physical Activity & Health	2	2			2									3 credit(s) 3 學分							
		*活動性體育課程興趣選項	Interest Options for Active Physical Education Courses	1	1	*活動性體育課程興趣選項由體育教學中心所開設選修課程中任選一門。 *The interest option for active physical education courses is to choose any one of the elective courses offered by the Physical Education Center.																		
院級課程(必修) College Courses (Required)		小計	Total Credits	3	3																			
		*氣候變遷與永續發展	Climate Change and Sustainable Development	2	2			2									6 credits required							
		*人工智能遠端應用	Advanced AI Application	2	2			2																
		*價值領導與自我管理	Value Leadership and Self-Management	2	2			2																
專業基礎(必修) Professional Basic Courses (Required)		小計	Total Credits	6	6			2	2															
		* ^(學分3變2) *(學分2變3)	Multimedia Design and Production	2	2	2											20 credits required							
		* ^(學分2變3)	計算機概論	3	3	3																		
		管理數學	Management of Mathematics	2	2	2																		
		管理學	Management Fundamentals	3	3	3																		
		概率	Probability	2	2					2														
		統計學	Statistics	2	2						2													
		企業資料通訊	Business Data Communications	3	3							3												
		作業系統	Operating System	3	3								3											
		小計	Total Credits	20	20	7	3	2	2	3	3													
專業核心(必修) Professional Core Courses (Required)		* ^(學分2變3) *(學分2變3)	程式設計	3	3	3											17 credits required							
		* ^(學分2變3)	物件導向技術	3	3	3																		
		資料結構	Data Structure	3	3					3														
		資料庫管理系統	Database Management System	3	3						3													
		* ^(時數2變1) *(時數3變1)	專題製作(一)	1	1							1												
		* ^(時數2變1)	專題製作(二)	1	1							1												
		實習實習	Internship in Professional Practice	3	240								3											
		小計	Total Credits	17	254	3	3	3	3	3	3	1	1	3										
		小計	Total Credits	17	254	3	3	3	3	3	3	1	1	3										
		小計	Total Credits	17	254	3	3	3	3	3	3	1	1	3										
專業選修 Professional Elective Courses		AI大數據 AI Big Data	人工智能	3	3	3											15 credits required							
		資料探勘	Data Mining	3	3					3														
		物聯網	Internet of Things	3	3						3													
		大數據分析	Big Data Analytics	3	3							3												
		AI深度學習	AI Deep Learning	3	3							3												
		AIoT 實務與應用	AIoT Practice and Application	3	3								3											
		資訊視覺化	Information Visualization	3	3									3										
		數位影像處理	Digital Image Processing	3	3	3																		
		Unity開發實務	Unity Development Practice	3	3			3																
		Unity跨平台應用設計	Unity Multi-Platform Application Development	3	3				3															
專業選修 Professional Elective Courses		數位多媒體 Digital Multimedia	影片剪輯	3	3					3							15 credits required							
		3D電腦動畫	3D Computer Animation	3	3						3													
		電腦動畫	Computer Animation	3	3							3												
		網路行銷與行銷	Live Streaming and Marketing	3	3								3											
		智慧機器人概論	Introduction to Smart Robots	3	3	3																		
		管理資訊系統	Management Information System	3	3			3																
		資訊服務與學習	E-Service and Learning	3	3				3															
		資訊安全管理	Information Security Management	3	3					3														
		演算法	Algorithms																					