

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 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：請註記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	Chinese Reading and Writing	2	2	2								8 credit(s) 8學分										
			*基礎英文	Fundamental English	2	2	2																		
			慈濟人文	Tzu-Chi Philosophy	2	2		2																	
			**程式設計	Programming	2	2	2																		
			*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. **程式設計：網頁視覺程式設計(2)、APP程式設計入門(2)、邏輯與運算思維(2)。全學年開課，擇一課程修習。 Programming: Web Visual Programming (2), Introduction to APP Programming (2), Logic and Computational Thinking (2). Classes are open throughout the academic year, and you can choose a course to study.																						
			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															
體育 Physical Education			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.																		
			小計			Total Credits			3	3															
院級課程(必修) College Courses (Required)		*	*氣候變遷與永續發展	Climate Change and Sustainable Development	2	2		2							6 credits required										
			*人工智慧進階應用	Advanced AI Application	2	2			2																
			*價值領導與自我管理	Value Leadership and Self-Management	2	2						2													
			小計			Total Credits			6	6		2	2			2									
專業基礎(必修) Professional Basic Courses (Required)		*(學分3雙2) *(學分2雙3)	*多媒體設計與製作	Multimedia Design and Production	2	2	2								20 credits required										
			*計算機概論	Introduction to Computer Science	3	3	3																		
			*管理數學	Management of Mathematics	2	2	2																		
			*管理學	Management Fundamentals	3	3		3																	
			*機率	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雙3) *(學分2雙3) *(學分2雙3) *(學分2雙3) *(時數2雙1) *(時數2雙1)	*程式設計	Programming	3	3	3								17 credits required							
*物件導向技術	Object-Oriented Technology	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															
*專題製作(一)	Practical Project 1	1				1					1														
*專題製作(二)	Practical Project 2	1				1						1													
*業界實習	Internship in Professional Practice	3				240							3			V									
小計						Total Credits			17	254	3	3	3	3	1	1	3								
專業選修 Professional Elective Courses		AI大數據 AI Big Data				*人工智慧	Artificial Intelligence	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											
		數位多媒體 Digital Multimedia	*數位影像處理	Digital Image Processing	3	3		3							15 credits required										
			*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															
			*影片剪輯	Video Clips	3	3					3														
			*3D電腦動畫	3D Computer Animation	3	3						3													
			*電腦動畫	Computer Animation	3	3							3												
			*網路直播與行銷	Live Streaming and Marketing	3	3								3											
		一般專選 General Elective Courses	*	*智慧機器人概論	Introduction to Smart Robots	3	3		3						3	27 credits required			V						
*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	3	3					3															
	*軟體工程		Software Engineering	3	3						3														
*	*專案企劃		Project Planning	1	1		1				1														
	*雲端應用		Cloud Application	3	3							3													
	*行動裝置應用程式設計		Mobile Applications Design	3	3								3												
	*生成式人工智慧		Generative Artificial Intelligence	3	3							3													
	*系統分析與設計		System Analysis and Design	3	3								3												
		*智慧醫療與照護	Smart Health and Care	3	3								3												
		*全端系統管理	Full-end System Management	3	3									3											
		*企業流程再造	Business Process Reengineering	3	3									3											
		*機構實習(一)	Industry Internship (1)	9										9											
		*網頁規劃與設計	Web Planning and Design	3	3									3											
		*管理書報討論	Management Literature Reading and Discussion	3	3									3											
		*醫療資訊管理	Medical Information Management	3	3									3											
		*混合實境	Mixed Reality	3	3									3											
			機構實習(二)	Industry Internship (2)	9								9			V									
			專業選修每學期規劃學分			Planned credits for elective courses each semester			57			6	6	6	12	12	6	9	57	主題課程統計					
學分總計 Total Credits			實習：必修學分數			Total number of required credits for ITM			43		10	8	7	5	4	6	3								
			實習：最低選修學分數			Minimum Total Credits for ITM Elective Courses			57			6	6	6	12	12	6	9							
			通識學分數：			Credits for General Education			28																
			外語、體育學分數：			Credits for Foreign Language and Physical Education			5	外語課程2+體育課程3 (Foreign Language 2 and Physical Education 3)															
			畢業最低學分數			Minimum Credit Requirements for Graduation			133																
備註： Remarks：			專業選修課程依當學期實際開設課程為主。 Electives are courses offered in the current semester.																						