中臺科技大學大學部四年制日間部人工智慧健康管理系112學年度入學課程標準表
Central Taiwan University of Science and Technology Undergraduate 4-Year Daytime Program Department of Artificial Intelligence and Healthcare Management Curriculum Standards for the 112th Academic Year

學年 Academic Year	科目 Course	學分數 Credits	時數 Teaching hours	上學期 First Semester 授課 Teaching	上學期 First Semester 實習 Internship	下學期 Second Semester 授課 Teaching	下學期 Second Semester 實習 Internship	備註 Remarks
基本素養(24學分) Basic Competencies (24 Credits)								
第一學年 1st Academic Year	文學與人生 Literature and Life	2	2	2				
	資訊科技與應用 Information Technology and Application	3	3	3				電腦課程 Computer Course 定錨課程 Anchoring Course
	人體生理學 Human Physiology	2	2	2				
	大一英文(一) Freshman English (I)	2	2	2				
	普通生物學 General Biology	2	2			2		
	文學領域 Literature Studies	2	2			2		
	大一英文(二) Freshman English (II)	2	2			2		
第二學年 2nd Academic Year	社會心理學 Social Psychology	2	2			2		
第三學年 3rd Academic Year	時間、空間、多元文化 Multi-Cultures	2	2	2				
	文化領域 Cultural Studies	2	2			2		
第四學年 4th Academic Year	法律學概論 Introduction to Law	2	2	2				
	實用生活美學 Life Aesthetics	2	2	2				
軍訓與體育(2學分) Military Training and Physical Education (2 Credits)								
第一學年 1st Academic Year	全民國防教育軍事訓練-國防科技 All-out Defense Education Military Training – Defense Technology	0	2	2				
	體育(一) Physical Education (I)	1	2	2				
	體育(二) Physical Education(II)	1	2			2		
第二學年 2nd Academic Year	體育(三) Physical Education(III)	0	2	2				
專業必修(61學分) Professional Required Courses (61 Credits)								
核心基礎(34學分) Core Foundations (34 Credits)								
第一學年 1st Academic Year	程式設計 Computer Programming	3	3	3				電腦課程 Computer Course
	企業概論與企業倫理 Introduction to Business and Business Ethics	2	2	2				職業倫理 Professional Ethics、服務學習課程 Includes Service Learning
	統計學 Statistics	3	3	3				電腦課程 Computer Course
	資料科學概論 Introduction to Data Science	3	3			3		電腦課程 Computer Course
	人工智慧概論 Introduction to Artificial	2	2			2		電腦課程 Computer Course
	管理學 Management	3	3			3		
	人際關係與溝通 Interpersonal Relations and Communications	2	2			2		

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				授課 Teaching	實習 Internship	授課 Teaching	實習 Internship	
第二學年 2nd Academic Year	經濟學 Economics	3	3	3				
	系統分析與設計 System Analysis and Design	3	3	3				電腦課程 Computer Course
	資料庫系統(一) Database System(I)	3	3	3				電腦課程 Computer Course
	資料庫系統(二) Database System(II)	3	3			3		電腦課程 Computer Course
	醫護英文 Medical Terminology	2	2			2		
	資訊安全 Information Security and Ethics	2	2			2		電腦課程 Computer Course
核心專業(26學分) Core Professional Courses (26 Credits)								
第二學年 2nd Academic Year	資料分析專題實作 Data Analysis Project	3	3	3				電腦課程 Computer Course
	資料視覺化及解析 Data Visualization and Analysis	3	3			3		電腦課程 Computer Course
	醫療資訊管理 Healthcare Information Management	2	2			2		電腦課程 Computer Course
第三學年 3th Academic Year	大數據資料庫 Big Data Database	3	3	3				電腦課程 Computer Course
	機器學習導論 Introduction to Machine Learning	3	3	3				電腦課程 Computer Course
	專題研究(一) Research in Special (I)	1	2		2			電腦課程 Computer Course
	資料探勘 Data Mining	3	3			3		電腦課程 Computer Course
	專題研究(二) Research in Special (II)	1	2				2	電腦課程 Computer Course
	影像處理與辨識 Image Processing and Recognition	3	3			3		電腦課程 Computer Course
第四學年 4th Academic Year	專案管理 Project Management	3	3	3				電腦課程 Computer Course
	專題研究(三) Research in Special (III)	1	2		2			電腦課程 Computer Course
博學涵養(4學分) Liberal Education (4 Credits)								
第二學年 2nd Academic Year	博學涵養 Liberal Education	2	2	2				
	博學涵養 Liberal Education	2	2			2		
專業選修(26學分) Professional Electives Courses (26 Credits)								
人工智慧模組(52學分) Artificial Intelligence Module (52 Credits)								
第二學年 2nd Academic Year	網頁設計 Web Design	3	3	3				電腦課程 Computer Course
	人工智慧物聯網 Artificial Intelligence and Internet of Things	3	3	3				電腦課程 Computer Course
	網頁資料庫程式設計 Web Database Programming	3	3			3		電腦課程 Computer Course
	虛擬實境 Virtual Reality	3	3			3		電腦課程 Computer Course
第三學年 3th Academic Year	行動通信程式設計 Mobile Programming	3	3	3				電腦課程 Computer Course
	企業資源規劃 Enterprise Resource Planning	2	2	2				電腦課程 Computer Course
	管理資訊系統 Management Information System	3	3			3		電腦課程 Computer Course
	電子商務 Electronic Commerce	3	3			3		電腦課程 Computer Course
	深度學習概論 Introduction to Deep Learning	3	3			3		電腦課程 Computer Course
第四學年 4th Academic Year	自然語言處理 Natural Language Processing	3	3	3				電腦課程 Computer Course
	雲端運算服務 Cloud Computing Services	3	3	3				電腦課程 Computer Course
	資料與決策科學 Data and Decision Science	3	3			3		電腦課程 Computer Course
	物聯網實務 Internet of Things Practice	2	2			2		電腦課程 Computer Course
	大數據概論 Introduction to Big Data	3	3			3		電腦課程 Computer Course
	專業實習 Professional Internship	4	8		8			校外實習實習9週 Off-Campus Internship Internship Duration:9weeks

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				授課 Teaching	實習 Internship	授課 Teaching	實習 Internship	
	產業實習 Industry Internship	8	16				16	校外實習實習18週 Off-Campus Internship Internship Duration:18weeks
健康管理模組(77學分) Health Management Module (77 Credits)								
第二學年 2nd Academic Year	護理學導論 Introduction to Nursing	2	2	2				
	生物統計 Biostatistics	2	2	2				
	應用統計學 Applied Statistics	3	3			3		
	藥理學 Pharmacology	3	3			3		
第三學年 3th Academic Year	智慧服務與物聯網應用實務 Service Intelligence and IoT Application Practice	3	3	3				
	健康產業管理學 Management in Health Industry	3	3	3				
	失智症全人照顧概論 Introduction to Holistic Care in Dementia	2	2	2				
	病理學 Pathology	2	2	2				
	生涯規劃 Career Planning	2	2	2				
	研究方法 Research Methods	2	2	2				
	跨境電商實務 The Practice of CrossBorder	3	3			3		
	Linux作業系統 Linux Operating System	3	3			3		
	顧客關係管理 Customer Relationship Management	3	3			2		
	網路行銷 Internet Marketin	3	3			2		
	金融科技與區塊鏈導論 Introduction of FinTech and Blockchain	3	3			2		
	醫護應用英文 Applied English in Nursing	2	2			2		
	人類發展學 Human Development	2	2			2		
第四學年 4th Academic Year	服務業資訊系統與操作實務 Service Industry Information System	3	3	3				
	社群媒體經營 Social media managemen(	3	3	3				
	服務業管理 Service Industry	3	3	3				
	知識管理 Knowledge Management	3	3	3				
	生產管理資訊系統 Production Management Information System	3	3	3				
	護理資訊系統 Nursing Information System	2	2	2				
	護理專業寫作 Professional Writing in Nursing	2	2	2				
	電子病歷 Electronic Medical Records	2	2	2				電腦課程 Computer Course
	電商平台應用 Business Application on eCommerce Platform	3	3			3		
	軟體工程概論 Software Engineering Concep	3	3			3		
	智慧醫療與照護 Smart Medical and Nursing	3	3			3		
	護理倫理 Ethics in Nursing	2	2			2		
	護理行政與管理 Administration and Management	2	2			2		
第一學年小計(1) 1st Academic Year Credits Subtotal (1)		35	39	21	0	18	0	

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				授課 Teaching	實習 Internship	授課 Teaching	實習 Internship	
第二學年小計(2) 2nd Academic Year Credits Subtotal (2)		52	54	26	0	26	0	
第三學年小計(3) 3th Academic Year Credits Subtotal (3)		65	67	27	2	33	2	
第四學年小計(4) 4th Academic Year Credits Subtotal (4)		68	81	34	10	21	16	
合計 Total = (1)+(2)+(3)+(4)		220	241	108	12	98	18	

畢業規定及其他相關說明：
Graduation Requirements and Other Relevant Instructions

一	最低畢業學分為128學分，必修88學分【含基本素養25學分(文學領域與文化領域各2學分)、軍訓與體育2學分、專業必修61學分】，博學涵養4學分，選修至少36學分（其中專業選修至少26學分）。 The minimum graduation requirement is 128 credits, including mandatory 88 credits [comprising 25 credits for basic competencies (2 credits each for literature studies and cultural studies), 2 credits for military training and physical education, 61 credits for professional core courses], 4 credits for broad knowledge. Elective credits must be at least 36 credits [with a minimum number of 26 credits for professional electives].
二	畢業前需取得本校「資訊能力」畢業資格審定暨實施要點所列之資訊相關證照，始得畢業。 Before graduation, students must obtain the qualifications as stipulated in the "Regulations for the Assessment and Implementation of Information Literacy Graduation Qualifications" of our university, which includes obtaining the information-related certifications listed therein, in order to graduate.
三	有關英文能力畢業門檻之相關規定，依照「中臺科技大學大學部英(日)文畢業門檻實施要點」之規定辦理。 The regulations regarding the graduation requirements for English proficiency are implemented in accordance with the "Implementation Guidelines for the English (Japanese) Graduation Thresholds for Undergraduate Programs at CTUST."
四	電腦課程須繳交電腦實習費。The computer course requires the payment of a computer practicum fee.
五	有關「生活與服務」畢業門檻之相關規定，依照中臺科技大學「生活與服務」畢業門檻施行細則之規定辦理。 In accordance with the regulations outlined in the Implementation Rules for the Graduation Threshold of 'Life and Service' at the Central Taiwan University of Science and Technology, all requirements related to 'Life and Service' graduation threshold shall be adhered to.
六	大學部學生，需依「中臺科技大學學術倫理教育課程實施要點」完成「學術倫理教育」相關課程修習後，提交任課老師列入成績考核。 Undergraduate students are required to complete relevant courses on academic ethics education in accordance with the 'Implementation Guidelines for Academic Ethics Education Courses at the Central Taiwan University of Science and Technology. After completing the courses, students must submit their performance to the respective instructors for grading.