中信科技大學進修部

二年制 機械工程科 課程規劃表（適用115學年度入學）

CTBC University of Science and Technology

Curriculum of Mechanical Engineering Department

for Two-Year Program of Junior College -Night Division (Effective from Fall 2026)

科目名稱 Subject		第一學年1st School Year		第二學年2nd School Year	
		上學期 1st semester (學分/時數) (Credits/Hours)	下學期 2nd semester (學分/時數) (Credits/Hours)	上學期 1st semester (學分/時數) (Credits/Hours)	下學期 2nd semester (學分/時數) (Credits/Hours)
共同必修 General Required Courses	中文閱讀與表達(1)(2) Chinese Reading and Expression(1)(2)	2/ 2	2/ 2		
	英文聽力與閱讀(1)(2) English Listening and Reading(1)(2)	2/ 2	2/ 2		
	性別文化與社會 Gender Culture and Society	2/ 2			
	藝術與生活 Art and Life	2/ 2			
	健康與生活 Health and Life		2/ 2		
	科技與智慧人生 Technology and Smart Life			2/ 2	
	人文與社會 Humanities and Social Sciences			2/ 2	
	創意思考與訓練 Creative Thinking and Training				2/ 2
	小計Subtotal	8/ 8	6/ 6	4/ 4	2/ 2
專業必修 Professional Required Courses	計算機概論 Basic Concept of Computer	2/ 2			
	微積分(1) Calculus(1)	2/ 2			
	物理(1) Physics	2/ 2			
	圖學 Drawing	2/ 2			
	產業概論 Intustry Introduction		2/ 2		
	職場倫理 Employment Ethics		2/ 2		
	機械製造 Manufacturing Engineering		2/ 2		
	工程力學 Engineering Mechanics		2/ 2		
	電腦輔助繪圖 Computer Aided Drawing		2/ 2		
	電腦輔助立體製圖 Computer-Aided 3D Drawing		2/ 2		
	工程數學概論 Introduction of Engineering Mathematics			2/ 2	
	材料力學概論 Introduction for Mechanics of Materials			2/ 2	
	機構學 Mechanism			2/ 2	
	工廠實習 Factory Practice			2/ 2	
	機械加工實習 Machine Work Practice			2/ 2	
	機械設計 Design of Machine Elements				2/ 2
	工程材料 Engineering Materials				2/ 2

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	熱力學 Thermodynamics				2/ 2
	小計Subtotal	8/ 8	12/ 12	10/ 10	6/ 6
專業選修 Professional Elective Courses	車輛科技概論 Introduction of Vehicle Techology	2/ 2			
	電腦視窗軟體 Window Software	2/ 2			
	無人飛機概論 Introduction of UAV	2/ 2			
	微積分(2) Calculus(2)		2/ 2		
	物理(2) Physics(2)		2/ 2		
	工業安全與衛生 Industrial Safety and Health			2/ 2	
	專利實務 Patent Practices			2/ 2	
	汽車原理 Principle of Automobile			2/ 2	
	數位邏輯與實習 Digital Logic Design and Practice			2/ 2	
	品質管制 Quality Control				2/ 2
	汽車修護 Maintenance of Automobile				2/ 2
	機電整合 Mechatronic System				2/ 2
	半導體製程概論 Introduction of Semiconductor Process				2/ 2
	模具設計概論 Introduction of Mold Design				2/ 2
	機械原理 Mechanical principles				2/ 2
	電工學概論 Introduction to Electrical Engineering				2/ 2
擬開最低專業選修學分 Proposed Minimum Professional Elective Credits		4/ 4	2/ 2	6/ 6	12/ 12
合計Total		20/ 20	20/ 20	20/ 20	20/ 20
	115年07月22日 校課程發展委員會會議通過Amended Date： 2026-07-22				

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備註 Note	一、畢業總學分至少80分： The total number of credits completed to be eligible to graduate shall not be less than 80 credits. 1.共同必修20學分；專業必修36學分；專業選修至少14學分。 General Required Courses:20 credits. Professional Required Courses:36 credits. Professional Elective Courses:Not less than14 credits. 2.一般選修至多10學分(開放學生自由選修本系或外系課程)。 The general elective credits shall be up to10 credits. (Open for students to freely choose courses within their own or other departments) 二、畢業門檻：Graduation threshold 1.學生於修業年限內應修畢「共同必修」、「專業必修」、「專業選修(含一般選修)」共計80學分。 Students are required to complete a total of 80 credits of " General Required Courses", "Professional Required Courses", and "Professional Elective Courses" ("General Elective Course" included) within their academic years.				