

# 中信科技大學進修部

## 二年制 機械工程科 課程規劃表（適用114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 2025)

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
	熱力學 Thermodynamics				2/ 2

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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 Technology	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
備註 Note	114年07月08日 校課程發展委員會會議通過Amended Date：2025-07-08				
	<p>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)</p> <p>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.</p>				