中信科技大學 四年制 機械工程系 進修部 課程規劃表(適用113學年度入學) CTBC University of Science and Technology Curriculum of Mechanical Engineering Department for Four-Year Bachelor's Degree Program-Night Division (Effective from Fall 2024)

			第一學年		第二學年		第三學年		第四學年		
		41 7 7 44		1st school year		2nd school year		3rd school year		4th school year	
			上學期 1st semester	下學期 2nd semester	上學期 1st semester	下學期 2nd semester	上學期 1st semester	下學期 2nd semester	上學期 1st semester	下學期 2nd semeste	
			學分 時數		學分 時數						
		L > 18 3 ± /2 + 2 ± /1 \/ (2)	Credits Hours	Credits Hour							
		中文閱讀與表達(1)(2) Chinese Reading and Expression(1) (2)	2/ 2	2/ 2							
	通識 基礎 必修 Required General Education Courses	英文聽力與閱讀(1)(2) English Listening and Reading(1)(2)	2/ 2	2/ 2							
		服務教育與大學社會責任(1)(2) Service Education and University Social	1/ 1	1/ 1							
		Responsibility (1)(2) 體育(1)(2)(3)	2/ 2	2/ 2	2/ 2						
		Physical Education(1)(2)(3) 多元語言	2/ 2	2/ 2							
		Multilingual Learning			2/ 2						
		小 計	7/7	7/7	4/ 4	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	
		健康與生活 Health and Life	2/ 2	2/ 2							
1		創意思考與訓練		2/ 2							
校訂課程 Stipulated Courses		Creative Thinking and Training 博雅與跨域學習(1)		2, 2							
Courses	通識博雅	Liberal Arts and Interdisciplinary Learning (1)			2/ 2						
	必修 Required	資訊與智慧生活 Information and Smart Life			2/ 2						
	Liberal Arts Courses	生命與永續				2/ 2	2/ 2				
	An	Life and Sustainability 人文與社會				·	2/ 2				
		Humanities and Social Sciences 藝術與美感					2/ 2				
		Art and Aesthetics						2/ 2			
		小 計 I	2/ 2	4/ 4	4/ 4	2/ 2	4/ 4	2/ 2	0/ 0	0/ 0	
	一般 選修 General Elective Courses	博雅與創意跨域學習(2)(3)(4)(5) Liberal Arts and Interdisciplinary Learning(2)(3)(4)(5)				2/ 2	2/ 2	2/ 2	2/ 2		
		小 計	0/ 0	0/ 0	0/ 0	2/ 2	2/ 2	2/ 2	2/ 2	0/ 0	
專業必修 課程 Professional Required Courses	院必修 課程 Required	數學演練習作 Math Drills	2/ 2								
		生活物理	2/ 2								
		Life Physics 電腦軟體應用		2/ 2							
		Computer Software Application 職場倫理									
		Employment Ethics		2/ 2							
	College Courses	半導體概論 Introduction of Semiconductor			2/ 2						
		創意實作 Innovations and Implementations			2/ 2						
		簡報製作與表達				2/ 2					
		Presentation and Expression 小 計	4/4	4/ 4	4/ 4	2/ 2	0/ 0	0/ 0	0/ 0	0/ 0	
		圖學與電腦繪圖	4/ 4	7/ 4	7/ 4	2/ 2	0/ 0	0/ 0	0/ 0	0/ 0	
		Graphics and Computer Graphics 機械製造	4/ 4	2/2							
		Mechanical Manufacturing 數控工具機與實習		2/ 2							
		Computer Numerical Control Machine			4/ 4						
		Tools and Practice 可程式控制實習			2/ 2						
	系必修課 程	Programmable Logic Controller Practice 工程材料				2/ 2					
	7生 Required	Mechanical Material and Test				<i>21 2</i>					

中信科技大學 四年制 機械工程系 進修部 課程規劃表(適用113學年度入學) CTBC University of Science and Technology Curriculum of Mechanical Engineering Department for Four-Year Bachelor's Degree Program-Night Division (Effective from Fall 2024)

				站 一		始一组 左		吃一 留 欠		
		第一學年		第二學年		第三學年		第四學年 4th sabaal yaar		
	科日夕絲		1st school year		2nd school year		3rd school year		4th school year	
科 目 名 稱		上學期 1st semester	下學期 2nd semester	上學期 1st semester	下學期 2nd semester	上學期 1st semester	下學期 2nd semester	上學期 1st semester	下學期 2nd semeste	
	Subject					ļ , , , , , , , , , , , , , , , , , , ,				
		學分 時數 Credits Hours	學分 時數 Credits Hours	學分 時數 Credits Hours	學分 時數 Credits Hours	學分 時數	學分 時數 Credits Hours	學分 時數 Credits Hours		
Demonstruct	感測器原理與應用	Cicuis Hours	Creatio Hours	Creatio Hours	Credits Hours	creats Hours	creatio Hours	Creatio Hours	Cicuis 110	
Department Courses					2/ 2					
Courses	Application and Theory of Sensor									
	氣液壓學與實習					47.4				
	Introduction and Practice of Pneumatics					4/ 4				
	and Hydraulics									
	實務專題(1)(2)(3)(4)			2/ 2	2/ 2	2/ 2	2/ 2			
	Project(1)(2)(3)(4)									
	機電整合實習						4/4			
	Mechatronic Practice									
	小 計	4/4	2/ 2	8/8	6/6	6/ 6	6/ 6	0/0	0/0	
系專業選修	程式設計	2/ 2								
課程	Programming Design	2/ 2								
Professional	飛機維修概論									
Elective Courses	Aircraft Maintenance	2/ 2								
Licetive Courses	電腦輔助立體製圖									
	Computer-Aided 3D Drawing		2/ 2							
	Computer-Aided 3D Drawing 工程力學									
	Engineering Mechanics		2/ 2							
	無人飛機概論									
					2/ 2					
	Introduction of UAV									
	飛機系統實務				2/ 2					
	Aircraft System Practices									
	工程數學				2/ 2					
	Engineering Mathematics									
	材料力學				2/ 2					
	Mechanics of Materials				2, 2					
	熱力學				2/ 2					
	Thermodynamics				21 2					
	機構學					2/ 2				
	Mechanism					2/ 2				
	機械設計					2/ 2				
	Mechanical Design					2/ 2				
	流體力學					2/2				
	Fluid Mechanics					2/ 2				
	微控器應用與實習					4/4				
	Microcontroller Application and Practice					4/4				
	能源工程									
	Energy Engineering						2/ 2			
	冷凍空調									
	Refrigeneration and Air Conditioning						2/ 2			
	模具設計實務									
	Mold Design Practice						2/ 2			
	自動控制									
	自 勁程型 Automatic Control						2/ 2			
	表面處理 Surface Treatment						2/ 2			
	半導體製程概論							2/ 2		
	Introduction of Semiconductor Process									
	材料機械性質							2/ 2		
	Mechanical property of Materials									
	粉末冶金							2/ 2		
	Powder Metallurgy	-								
	品質管制							2/ 2		
	Quality Control									
	智慧生活應用與實習							2/ 2		
	Application and Practice of Smart life							-1 -2		
	熱流實驗									
	Experimentation of thTrmal-Fluid							2/ 2		
	Engineering	Ì	Ī	Ī	Ī	I	I	I	Ì	

中信科技大學四年制機械工程系進修部課程規劃表(適用113學年度入學)

CTBC University of Science and Technology Curriculum of Mechanical Engineering Department for Four-Year Bachelor's Degree Program-Night Division (Effective from Fall 2024)

			第一學年		第二學年		第三學年		第四學年	
			1st school year		2nd school year		3rd school year		4th school year	
	科目名稱	上學期	下學期	上學期	下學期	上學期	下學期	上學期	下學期	
	Subject	1st semester	2nd semester	1st semester	2nd semester	1st semester	2nd semester	1st semester	2nd semester	
	-	學分 時數		學分 時數				學分 時數	學分 時數	
			Credits Hours	Credits Hours	Credits Hours	Credits Hours	Credits Hours	Credits Hours	Credits Hours	
	電腦監控應用與實習									
	PC-Based Control Application and							4/ 4		
	Practice									
	專利與工程創新								2/ 2	
	Patents and Engineering Innovation								2/ 2	
	田口式實驗法								2/ 2	
	Taguchi Experimental Methods								2/ 2	
	空調工程								2/ 2	
	Air Conditioning Engineering and Design								21 2	
	太陽能工程								2/ 2	
	Solar Energy Engineering								21 2	
	陶瓷製程								2/ 2	
	Process of Ceranics								21 2	
	射出成型實務									
	Injection Molding Technology and								2/ 2	
	Practice									
	模流分析實務								4/4	
	Molding Flow Analysis and Practice								4/ 4	
	小 計	4/ 4	4/ 4	0/ 0	10/ 10	10/ 10	10/ 10	16/ 16	16/ 16	
擬開最低選修學分 Proposed Minimum Professional Elective Credits		2/ 2	2/ 2	0/ 0	6/ 6	6/ 6	6/ 6	12/ 12	12/ 12	
			- OF P 00		** P * P			15	004 05 00	

113年07月30日 校課程發展委員會會議通過Amended Date: 2024-07-30 114年01月07日 校課程發展委員會會議修正通過更改校名Amended Date: 2025-01-07

一、畢業總學分至少128學分:

The total number of credits completed to be eligible to graduate shall not be less than 128 credits.

1.校訂必修36學分(含通識基礎必修18學分、通識博雅必修18學分)。

The stipulated compulsory credits shall be 36 credits.(18 credits for required general education courses, and 18 credits for required liberal arts courses.)

2.專業必修46學分(院必修14學分、系必修32學分)。

The professional compulsory credits shall be 46 credits.(14 credits for required college courses, and 32 credits for required department courses.)

3.系專業選修至少34學分。

The professional elective credits shall be not less than 34 credits.

4.跨系選修至多12學分。

The number of inter-department elective credits shall be not less than 12 credits.

※「微學分課程」最多採計12學分。

The number of 'Micro-Credit Courses' credits shall be up to 12credits.

fi註 二、畢業門檻 Graduation Threshold:

1.學生於修業年限內,應修畢「校訂必修」、「專業必修」、「系專業選修」、「跨系選修」共計128學分。

Students are required to complete a total of 128 credits of "Stipulated Compulsory Course", "Professional Compulsory Course",

"Denartment Professional Elective Course" and "Inter-College Elective Courses " within their academic years

三、校訂課程 Stipulated Courses:

1.校訂課程不須依先後順序修課,不得互抵者,包括「中文閱讀與表達(1)(2)、英文聽力與閱讀(1)(2)、體育(1)(2)(3)」課程。 Stipulated courses are not required to be taken in sequence and the credits shall not be mutually transferred, including「Chinese Reading and Expression(1)(2), English listening and reading (1)(2), and physical education (1)(2)(3)」 courses.

2.校訂課程不須依先後順序修課,得互抵者,包括「服務教育與大學社會責任(1)(2)」、「博雅與跨域學習(1)(2)(3)(4)(5)」課程。

Stipulated courses are not required to be taken in sequence and the credits shall be mutually transferred, including "Service Education and University Social Responsibility (1) (2)" and "Liberal Arts and Interdisciplinary Learning (1)(2)(3)(4)(5)".

四、專業課程 Professional Courses:

1.「實務專題(1)(2)(3)(4)」課程應依先後順序修課,得互抵。

Project(1)(2) shall be taken in sequence and may complement each other.

備註