CTBC university of technology Curriculum of Refrigeration Air Conditioning and Energy Department for Two-Year Bachelor's Degree Program-Night Division (Effective from Fall 2024)

	Division (Effective from Fa	11 2024)					
	第一學年1st School Year				第二學年2nd School Year		
	科目名稱	上學期	下學期	上學期	下學期		
	Subject	1st semester	2nd semester	1st semester	2nd semester		
	Subject	(學分/時數)	(學分/時數)	(學分/時數)	(學分/時數)		
	I	(Credits/Hours)	(Credits/Hours)	(Credits/Hours)	(Credits/Hours)		
#1=1 N M	應用英文(1)(2) Applied English(1)(2)	2/ 2	2/ 2				
共同必修 General							
Required	通識課程(1)(2)(3)(4)	2/ 2	2/ 2	2/ 2	2/ 2		
Courses	General Studies(1)(2)(3)(4)						
	小 計Subtotal	4/ 4	4/ 4	2/ 2	2/ 2		
	工程圖學	2/ 2					
	Engineering Drawing	21 2					
	熱力學	2/ 2					
	Thermodynamics	2, 2					
	電工學	2/ 2					
	Electricity Engineering						
	冷凍空調原理	2/ 2					
	Principles of Refrigeration and Air Conditioning						
	能源工程		2/ 2				
車券 N W	Energy Engineering						
專業必修 Professional	流體力學		2/ 2				
Required	Fluid Mechanics						
Courses	冷凍工程與設計 Refire to Environ I Project		2/ 2				
	Refrigeration Engineering and Design						
	冷凍空調原理實驗 Experiment of Refrigeration and Air Conditioning Principle		2/ 2				
	冷凍空調裝修實習 Maintenance & Practice of Refrigeration and Air Conditioning			4/ 4			
	空調工程與設計						
	全調工作樂歌門 Air Conditioning Engineering and Design			2/ 2			
	冷凍空調自動控制						
	Automatic Control of Refrigeration and Air Conditioning			2/ 2			
	/小 計Subtotal	8/8	8/8	8/8	/ 0		
		0, 0	0/ 0	0, 0	7 0		
	基礎冷凍空調裝修實習 Basic Maintenance & Practice of Refrigeration and Air Conditioning	4/ 4					
專業選修	簡報製作與表達						
等未送修 Professional	Presentation and Communication Skills	2/ 2					
Elective	智慧財產權						
Courses	Intellectual Property Right	2/ 2					
Courses	電器修護實習		4/ 4				
	Electric RepAiring Practice		4/ 4				
	可程式控制實習		2/ 2				
	Programmable Logic Controller Practice		21 2				
	電機機械		2/ 2				
	Electric Machinery		21 2				
	電腦輔助冷凍空調繪圖			4/4			
	Computer Aided Refrigeration and Air Conditioning Drafting			., .			
	流體機械			2/ 2			
	Fluid Machinery						
	熱傳學			2/ 2			
	Heat Transfer						
	電力電子學			2/ 2			
	Power Electronics						
	冷凍空調工程管理			2/ 2			
	Management of Refrigerating and Air Conditioning Engineering						

CTBC university of technology Curriculum of Refrigeration Air Conditioning and Energy Department for Two-Year Bachelor's Degree Program-Night Division (Effective from Fall 2024)

	,			
	第一學年1st School Year		第二學年2nd School Year	
科目名稱	上學期	下學期	上學期	下學期
Subject		2nd semester	1st semester	2nd semester
Subject	(學分/時數)	(學分/時數)	(學分/時數)	(學分/時數)
A Amazin Al about	(Credits/Hours)	(Credits/Hours)	(Credits/Hours)	(Credits/Hours)
空調設計實務			2/ 2	
Design Practice of Air Conditioning				
低溫工程			2/ 2	
Cryogenic Engineering			2, 2	
進階冷凍空調裝修實習				4/ 4
Advanced Maintenance & Practice of Refrigeration and Air Conditioning				7/ 7
機電與能源實習				4/4
Practice of Mechatronics and Energy				7/ 7
智慧生活與物聯網實習				2/ 2
Smart living and practical training of Internet of Thing				21 2
冷凍空調節能技術				2/ 2
Energy-Saving Technology in Refrigeration and Air Conditioning				21 2
通風工程				2/ 2
Ventilation Engineering				2/ 2
太陽能工程				2/ 2
Solar Energy Engineering				2/ 2
電腦輔助空調系統分析				2/ 2
Computer Aided Air Conditioning System Analysis				2/ 2
半導體廠務工程				2/ 2
Semiconductor Facility Engineering				21 2
熱交換器設計				2/ 2
Heat Exchanger Design				
凝開最低選修學分	6/ 6	6/ 6	8/8	16/ 16
Proposed Minimum Elective Credits				
合計Total	18/ 18	18/ 18	18/ 18	18/ 18

112年05月23日 校課程發展委員會會議通過Amended Date: 2023-05-23

一、畢業總學分至少72分:

The total number of credits completed to be eligible to graduate shall not be less than 72 credits.

1.共同必修12學分;專業必修24學分;專業選修至少36學分。

General Required Courses:12 credits. Professional Required Courses:24 credits. Professional Elective Courses: Not less than 36 credits.

備註 Note

2.一般選修至多7學分(開放學生自由選修本系或外系課程)。

The general elective credits shall be up to 7 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72學分。Students are required to complete a total of 76 credits of "General Required Courses", "Professional Required Courses", and "Professional Elective Courses" ("General Elective Course" included) within their academic years.

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(顏色標註)

中信科技大學 進修部

二年制 冷凍空調與能源系 課程規劃表

(適用113學年度入學)

CTBC university of technology Curriculum of Refrigeration Air Conditioning and Energy Department for Two-Year Bachelor's Degree Program-Night Division (Effective from Fall 2024)

	Division (Effective from Far		C.1 1.W	公一 超左3	10.117
			School Year		d 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
	Subject	1st semester (學分/時數)	2nd semester (學分/時數)	1st semester (學分/時數)	2nd semester (學分/時數)
		(Credits/Hours)	(Credits/Hours)	(Credits/Hours)	(Credits/Hours)
共同必修	應用英文(1)(2)	2/ 2	2/ 2		
	Applied English(1)(2)	21 2	21 2		
General	通識課程(1)(2)(3)(4)	2/2	2/2	2/2	2/2
Required Courses	General Studies(1)(2)(3)(4)	2/ 2	2/ 2	2/ 2	2/ 2
	小 計Subtotal	4/ 4	4/ 4	2/ 2	2/ 2
	工程圖學	2/2			
	Engineering Drawing	2/ 2			
	熱力學	2/ 2			
	Thermodynamics	21 2			
	電工學	2/ 2			
	Electricity Engineering				
	冷凍空調原理 Principles of Refrigeration and Air Conditioning	2/ 2			
	能源工程				
	用品が上れま Energy Engineering		2/ 2		
專業必修	流體力學				
Professional	Fluid Mechanics		2/ 2		
Required	冷凍工程與設計		2/2		
Courses	Refrigeration Engineering and Design		2/ 2		
	冷凍空調原理實驗		2/ 2		
	Experiment of Refrigeration and Air Conditioning Principle		Zi Z		
	冷凍空調裝修實習			4/ 4	
	Maintenance & Practice of Refrigeration and Air Conditioning				
	空調工程與設計 Air Conditioning Engineering and Design			2/ 2	
	冷凍空調自動控制				
	Automatic Control of Refrigeration and Air Conditioning			2/ 2	
	/J、 許Subtotal	8/8	8/8	8/8	/ 0
	基礎冷凍空調裝修實習	-	0. 0	0. 0	
	Basic Maintenance & Practice of Refrigeration and Air Conditioning	4/ 4			
專業選修	簡報製作與表達	2/ 2			
Professional	Presentation and Communication Skills	21 2			
Elective	智慧財產權	2/ 2			
Courses	Intellectual Property Right				
	電器修護實習 Electric RepAiring Practice		4/ 4		
	可程式控制實習				
	Programmable Logic Controller Practice		2/ 2		
	電機機械		2/ 2		
	Electric Machinery		21 2		
	電腦輔助冷凍空調繪圖			4/ 4	
	Computer Aided Refrigeration and Air Conditioning Drafting			., .	
	流體機械			2/ 2	
	Fluid Machinery 熱傳學				
	然傳學 Heat Transfer			2/ 2	
	電力電子學				
	Power Electronics			2/ 2	
	冷凍空調工程管理			2/2	
	Management of Refrigerating and Air Conditioning Engineering			2/ 2	
	空調設計實務			2/ 2	
	Design Practice of Air Conditioning			2, 2	
	低溫工程			2/ 2	
	Cryogenic Engineering				

d3b65c596fd4370c7870bfbaa5395c900167d8e6c87fc5e66a84549bbe896fd1113二技一(冷源) (2學分1130801)8/29/2024

(顏色標註)

中信科技大學 進修部

二年制 冷凍空調與能源系 課程規劃表

(適用113學年度入學)

CTBC university of technology Curriculum of Refrigeration Air Conditioning and Energy Department for Two-Year Bachelor's Degree Program-Night Division (Effective from Fall 2024)

	第一學年1st School Year		第二學年2nd School Year	
科目名稱	上學期	下學期	上學期	下學期
Subject	1st semester	2nd semester	1st semester	2nd semester
Subject	(學分/時數) (Credits/Hours)	(學分/時數) (Credits/Hours)	(學分/時數) (Credits/Hours)	(學分/時數) (Credits/Hours)
進階冷凍空調裝修實習 Advanced Maintenance & Practice of Refrigeration and Air Conditioning				4/ 4
機電與能源實習 Practice of Mechatronics and Energy				4/ 4
智慧生活與物聯網實習				2/2
Smart living and practical training of Internet of Thing				2/ 2
冷凍空調節能技術 Energy-Saving Technology in Refrigeration and Air Conditioning				2/2
通風工程				2/ 2
Ventilation Engineering				
太陽能工程				2/ 2
Solar Energy Engineering				
電腦輔助空調系統分析 Computer Aided Air Conditioning System Analysis				2/ 2
半導體廠務工程				2/ 2
Semiconductor Facility Engineering 熱交換器設計				
Heat Exchanger Design				2/ 2
小 計Subtotal	4/ 4	8/8	16/ 16	22/ 22
擬開最低選修學分 Proposed Minimum Elective Credits	6/ 6	6/ 6	8/8	16/ 16
合計Total	18/ 18	18/ 18	18/ 18	18/ 18

一、畢業總學分至少72分:

The total number of credits completed to be eligible to graduate shall not be less than 72 credits.

1.共同必修12學分;專業必修24學分;專業選修至少36學分。

General Required Courses:12 credits. Professional Required Courses:24 credits. Professional Elective Courses: Not less than 36 credits.

備註 Note

2.一般選修至多7學分(開放學生自由選修本系或外系課程)。

The general elective credits shall be up to 7 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72學分。Students are required to complete a total of 76 credits of "General Required Courses", "Professional Required Courses", and "Professional Elective Courses" ("General Elective Course" included) within their academic years.

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36/ 72/

CTBC university of technology Curriculum of Refrigeration Air Conditioning and Energy Department for Two-Year Bachelor's Degree Program-Night Division (Effective from Fall 2024)

	Division (Effective from Fall	· · · · · · · · · · · · · · · · · · ·	School Year	第二學年2nc	l School Year
	到日夕經	上學期下學期		上學期下學期	
	科目名稱	1st semester	2nd semester	1st semester	2nd semester
	Subject	(學分/時數)	(學分/時數)	(學分/時數)	(學分/時數)
	nt 11 + 2 - 1/1 / 0 /	(Credits/Hours)	(Credits/Hours)	(Credits/Hours)	(Credits/Hours)
共同必修	應用英文(1)(2) Applied English(1)(2)	2/ 2	2/ 2		
General Required Courses	通識課程(1)(2)(3)(4) General Studies(1)(2)(3)(4)	2/ 2	2/ 2	2/ 2	2/ 2
Courses	小計Subtotal	4/ 4	4/ 4	2/ 2	2/ 2
	工程圖學 Engineering Drawing	3/ 3			
	熱力學 Thermodynamics	3/ 3			
	電工學	3/ 3			
	Electricity Engineering 能源工程		3/ 3		
專業必修 Professional	Energy Engineering 流體力學				
Required Courses	Fluid Mechanics 冷凍工程與設計		3/ 3		
	Refrigeration Engineering and Design		3/ 3		
	空調工程與設計 Air Conditioning Engineering and Design			3/ 3	
	冷凍空調自動控制 Automatic Control of Refrigeration and Air Conditioning			3/ 3	
	小、計Subtotal	9/ 9	9/ 9	6/ 6	/ 0
專業選修 Professional	簡報製作與表達 Presentation and Communication Skills	2/ 2			
Elective	電器修護實習	3/ 3			
Courses	Electric RepAiring Practice 智慧財產權	2/ 2			
	Intellectual Property Right 電機機械		2/ 2		
	Electric Machinery 冷凍空調裝修實習				
	Maintenance & Practice of Refrigeration and Air Conditioning 可程式控制實習		3/ 3		
	Programmable Logic Controller Practice		3/ 3		
	流體機械 Fluid Machinery			2/ 2	
	熱傳學 Heat Transfer			2/ 2	
	進階冷凍空調裝修實習 Advanced Maintenance & Practice of Refrigeration and Air Conditioning			3/ 3	
	冷凍空調原理實驗 Experiment of Refrigeration and Air Conditioning Principle			3/ 3	
	電力電子學			3/ 3	
	Power Electronics 冷凍空調工程管理			3/ 3	
	Management of Refrigerating and Air Conditioning Engineering 太陽能工程			3, 3	2/2
	Solar Energy Engineering				2/ 2

CTBC university of technology Curriculum of Refrigeration Air Conditioning and Energy Department for Two-Year Bachelor's Degree Program-Night Division (Effective from Fall 2024)

	第一學年1st School Year		第二學年2nd School Year	
科目名稱	上學期	下學期	上學期	下學期
Subject	1st semester	2nd semester	1st semester	2nd semester
Subject	(學分/時數) (Credits/Hours)	(學分/時數) (Credits/Hours)	(學分/時數) (Credits/Hours)	(學分/時數) (Credits/Hours)
通風工程 Variation Francisco				2/ 2
Ventilation Engineering				
空調設計實務 Design Practice of Air Conditioning				3/ 3
電腦輔助冷凍空調繪圖 Computer Aided Refrigeration and Air Conditioning Drafting				3/ 3
機電與能源實習 Practice of Mechatronics and Energy				3/ 3
冷凍空調節能技術 Energy-Saving Technology in Refrigeration and Air Conditioning				3/ 3
電腦輔助空調系統分析 Computer Aided Air Conditioning System Analysis				3/ 3
智慧生活與物聯網實習 Smart living and practical training of Internet of Thing				3/ 3
小 計Subtotal	7/ 7	8/8	16/ 16	22/ 22
擬開最低選修學分 Proposed Minimum Elective Credits	5/ 5	5/ 5	10/ 10	16/ 16
合計Total	18/ 18	18/ 18	18/ 18	18/ 18

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