	СТВО	中信科技大學 四年制 冷凍C university of technology Curriculum of Refriger -D	ation Air Cond ay Division (E	itioning and Er fective from F	nergy Departm all 2024)	ent for Four-Y	ear Bachelor'			
		科目名稱	第一 上學期	學 年 下學期	第二	學 年 下學期	第三 第三	學 年 下學期	第四:	學 年 下學期
		Subject	學分 時數Ho		學分 時數Ho	學分 時數Ho	學分 時數Ho	學分 時數Ho	學分 時數Ho	
		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)	2/ 2	2/ 2						
	通識 基礎	English Listening and Reading(1)(2) 服務教育與大學社會責任(1)(2)								
	必修	Service Education and University Social Responsibility (1)(2)	1/ 1	1/ 1						
	Required General Education Courses	體育(1)(2)(3) Physical Education(1)(2)(3)	2/ 2	2/ 2	2/ 2					
		多元語言 Multilingual Learning			2/ 2					
		小 計Subtotal	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						
校訂		創意思考與訓練 Creative Thinking and Training		2/ 2						
課程 Stipulated		博雅與跨域學習(1)			2/ 2					
Courses	通識博雅必修	Liberal Arts and Interdisciplinary Learning (1) 資訊與智慧生活								
	Required Liberal Arts Courses	Information and Smart Life 生命與永續			2/ 2					
		Life and Sustainability 人文與社會				2/ 2	2/ 2			
		Humanities and Social Sciences					2/ 2			
		藝術與美感 Art and Beauty						2/ 2		
		小 計Subtotal 全民國防教育軍事訓練(1)(2)(3)(4)	2/ 2	4/ 4	4/ 4	2/ 2	4/ 4	2/ 2	0/ 0	0/ 0
	一般選修	National Defense Education and Military Training	2/ 2	2/ 2	2/ 2	2/ 2				
	General Elective Courses	(1)(2)(3)(4) 博雅與跨域學習(2)(3)(4)(5)				2/ 2	2/ 2	2/ 2	2/ 2	
	Courses	Liberal Arts and Interdisciplinary Learning	2/ 2	2/ 2	2/ 2	4/ 4	2/ 2	2/ 2	2/ 2	0/ 0
		數學演練習作 Math exercises	2/ 2		-		-	-		
		生活物理	2/ 2							
		Physics of life 電腦軟體應用	2, 2	2/ 2						
	院必修 課程	Computer Software Application 職場倫理								
	Required	Employment Ethics 創意實作		2/ 2						
	College Courses	Creative Implementation			2/ 2					
		半導體概論 Introduction of Semiconductor			2/ 2					
		簡報製作與表達 Presentation and Communication Skills				2/ 2				
		小計Subtotal	4/ 4	4/ 4	4/ 4	2/ 2	0/ 0	0/ 0	0/ 0	0/ 0
		熱力學 Thermodynamics	2/ 2							
		工程圖學 Engineering Drawing	2/ 2							
專業必 修課程		電工學 Electricity Engineering	2/ 2							
Professional Required		冷凍空調原理 Principles of Refrigeration and Air Conditioning		2/ 2						
Courses		冷凍空調裝修實習 Maintenance & Practice of Refrigeration and Air			41.4					
		Conditioning			4/ 4					
	系必修	流體力學 Fluid Mechanics				2/ 2				
	課程 Required	能源工程 Energy Engineering				2/ 2				
	Department Courses	冷凍工程與設計 Refrigeration Engineering and Design				2/ 2	-		-	
		冷凍空調原理實驗 Experiment of Refrigeration and Air Conditioning				2/ 2				
		Principle				21 2				
		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					2/ 2			
		Conditioning 實務專題(1)(2)(3)(4)			2/2	2/2	2/2	2/2		
		Practical Project(1)(2)(3)(4)	6/ 6	2/ 2	2/ 2 6/ 6	2/ 2	2/ 2 6/ 6	2/ 2	0/ 0	0/ 0
		水電實務基本技能實習		ZI Z	0/ 0	10/ 10	0/ 0	21 2	0/ 0	0/ 0
		Basic Practice in Electrical, Plumbing & Air Conditioning Engineering	2/ 2							
		程式語言 Programming Language	2/ 2				-		-	
		微積分 Calculus	2/ 2							
		基礎冷凍空調裝修實習		47.4						
		Basic Maintenance & Practice of Refrigeration and Air Conditioning		4/ 4						
		電子學 Electronics		2/ 2						
		電器修護實習			4/ 4		-		-	
		Electric RepAiring Practice				l				1
		Electric RepAiring Practice 電力電子學			2/ 2					
		Electric RepAiring Practice 電力電子學 Power Electronics			2/ 2					
		Electric RepAiring Practice 電力電子學 Power Electronics 風力發電 Wind Power			2/ 2					
		Electric RepAiring Practice 電力電子學 Power Electronics 風力發電 Wind Power 地階冷凍空調裝修實習 Advanced Maintenance & Practice of Refrigeration				4/ 4				
		Electric RepAiring Practice 電力電子學 Power Electronics 風力發電 Wind Power 進階冷凍空調裝修實習 Advanced Maintenance & Practice of Refrigeration and Air Conditioning								
		Electric RepAiring Practice 電力電子學 Power Electronics 風力發電 Wind Power 地階冷凍空調裝修實習 Advanced Maintenance & Practice of Refrigeration				4/4 2/2 2/2				

中信科技大學 四年制 冷凍空調與能源系 日間部 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 Four-Year Bachelor's Degree Program
-Day Division (Effective from Fall 2024)

	-Da	ay Division (Ef			Jul 7 .	1				
	科目名稱		第一學年		第二學年		第三學年		學年	
	行日右傳 Subject	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	學分 時數Ho Credits urs	學分 時 Credits ou							
	電腦輔助冷凍空調繪圖									
	Computer Aided Refrigeration and Air Conditioning					4/ 4		i l		
	Drafting									
	消防工程					2/ 2		i l		
	Fire Protection Engineering 機電與能源實習	-								
	改电央ルボ貝音 Practice of Mechatronics and Energy						4/ 4	i l		
	通風工程									
	Ventilation Engineering						2/ 2	i l		
	熱傳學						2/ 2			
	Heat Transfer						21 2			
	半導體廠務工程						2/ 2	i l		
	Semiconductor Facility Engineering	-					2, 2			
	低溫工程						2/ 2	i l		
	Cryogenic Engineering	-								
	冷凍空調節能技術 Energy-Saving Technology in Refrigeration and Air							2/ 2		
	Conditioning							21 2		
	流體機械									
	Fluid Machinery							2/ 2		
	空調設計實務							2/ 2		
	Design Practice of Air Conditioning							21 2		
	冷凍空調工程管理									
	Management of Refrigerating and Air Conditioning							2/ 2		
	Engineering 智慧財産權									
	質意別座惟 Intellectual Property Right							2/ 2		
	工業安全衛生							21.2		
	Industrial Safety and Health							2/ 2		
	產業校外實習							9/		
	Industrial Off-Campus Internship							91		
	智慧能源管理技術							i l	2/2	
	Smart Energy Management Technology 智慧生活與物聯網實習									
	智慧生活與初聯網員省 Smart living and practical training of Internet of							i l	2/2	
	熱交換器設計	1								
	Heat Exchanger Design							i l	2/ 2	
	電腦輔助空調系統分析								2/2	
	Computer Aided Air Conditioning System Analysis								2/ 2	
	冷凍空調系統設計							i l		
	Design & Construction of refrigeration and Air-							i l	2/ 2	
	Conditioning System 噪音原理與防治	-								
	陳音原理與初眉 Noise principle and Prevention							1	2/ 2	
	學期校外實習	<u> </u>		1					0.1	
	Off-campus Semester Internship							<u> </u>	9/	
	小 計Subtotal	6/ 6	6/ 6	8/8	8/8	6/ 6	12/ 12	12/ 12	12/ 12	
擬開最低專業選修學分 Proposed Minimum Elective	合 計Total	2/ 2	4/ 4	4/ 4	6/ 6	4/ 4	8/ 8	10/ 10	8/ 8	
Credits				113	3年08日日松	: 興和發展系員		Amended Date	: 20	

113年08月 日 校課程發展委員會會議通過Amended Date: 2024-08-

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 up to 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

備註 Note

、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", "Department Professional

Elective Course", and "Inter-College Elective Courses " within their academic years. 2.系專業能力門檻(遠東科技大學冷凍空調與能源系畢業門檻實施要點辦理)。

Department Professional Threshold (Far East University Regulations of Graduation Threshold of Refrigeration Air Conditioning and Energy Department) 3.英文能力鬥艦(遼東科技大學輔導學生取得英檢證照實施辦法辦理)。

English Proficiency Threshold (Far East University Regulations of Tutoring Students to Get English Proficiency Certificates)

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 those that may be mutually complemented by each other may be only "Service Education and University Social Responsibility (1) (2)" and "Liberal Arts and Interdisciplinary Learning (1)(2)(3)(4)(5)".

3.校訂課程不須依先後順序修課,包括「全民國防教育軍事訓練(1)(2)(3)(4)」課程

Stipulated courses are not required to be taken in sequence, including National Defense Education and Military Training (1)(2)(3)(4).

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。

Practical Project(1)(2) (3) (4) shall be taken in sequence and the credits shall be mutually transferred.

		C university of technology Curriculum of Refriger -D	ay Division (Ef	fective from F	all 2024)					
		科目名稱	第一	學 年 下學期	第二 上學期	學 年 下學期	第 三 上學期	學 年 下學期	第四 上學期	學 年 下學期
		Subject	學分 時數Ho Credits urs	學分 時數H Credits ours						
		中文閱讀與表達(1)(2) Chinese Reading and Expression(1)(2)	2/ 2	2/ 2						
	通識	英文聽力與閱讀(1)(2) English Listening and Reading(1)(2)	2/ 2	2/ 2						
	通識 基礎	服務教育與大學社會責任(1)(2) Service Education and University Social	1/ 1	1/ 1						
	必修 Required General	Responsibility (1)(2) 體育(1)(2)(3)	2/ 2	2/ 2	2/ 2					
	Education Courses	Physical Education(1)(2)(3) 多元語言	21 2	21 2						
		Multilingual Learning	7/7	7/ 7	2/ 2	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0
		健康與生活	2/ 2	2/ 2	4/ 4	0/ 0	0/ 0	0/0	0/ 0	0/ 0
		Health and Life 創意思考與訓練		2/ 2						
校訂 課程		Creative Thinking and Training 博雅與跨域學習(1)		2, 2	2/2					
Stipulated Courses	通識博雅必修	Liberal Arts and Interdisciplinary Learning (1) 資訊與智慧生活			2/ 2					
		Information and Smart Life			2/ 2					
	Courses	生命與永續 Life and Sustainability				2/ 2	2/ 2			
		人文與社會 Humanities and Social Sciences					2/ 2		第四學年 月 上學期 下學 數Ho 學分 問數Ho 學分 I O/O O/O	
		藝術與美感 Art and Beauty						2/ 2		
		小 計Subtotal 全民國防教育軍事訓練(1)(2)(3)(4)	2/2	4/ 4	4/ 4	2/ 2	4/ 4	2/ 2	0/ 0	0/ 0
	一般選修	National Defense Education and Military Training	2/ 2	2/ 2	2/ 2	2/ 2				
	General Elective Courses	(1)(2)(3)(4) 博雅與跨域學習(2)(3)(4)(5)				2/ 2	2/ 2	2/ 2	2/ 2	
		Liberal Arts and Interdisciplinary Learning	2/ 2	2/ 2	2/ 2	4/ 4	2/ 2	2/ 2		0/ 0
		數學演練習作 Math exercises	2/ 2							
		生活物理 Physics of life	2/ 2							
	Edu V A	電腦軟體應用 Computer Software Application		2/ 2						
	院必修 課程	職場倫理		2/ 2						
	Required College Courses	Employment Ethics 創意實作			2/ 2					
		Creative Implementation 半導體概論			2/ 2					
		Introduction of Semiconductor 簡報製作與表達			21 2	2/2				
		Presentation and Communication Skills	4/ 4	4/ 4	4/ 4	2/ 2	0/ 0	0/ 0	0/ 0	0/ 0
		熱力學 Thermodynamics	2/ 2	, , ,	17 1	21 2	O/ O	0/ 0	O/ O	G/ G
		工程圖學	2/ 2							
專業必		Engineering Drawing 電工學	2/ 2							
修課程 rofessional		Electricity Engineering 冷凍空調原理	1	2/ 2						
Required Courses		Principles of Refrigeration and Air Conditioning 冷凍空調裝修實習		21 2						
		Maintenance & Practice of Refrigeration and Air Conditioning			4/ 4					
	系必修	流體力學 Fluid Mechanics				2/ 2				
	課程 Required	能源工程 Energy Engineering				2/ 2				
	Department Courses	冷凍工程與設計 Refrigeration Engineering and Design				2/ 2				
		冷凍空調原理實驗 Experiment of Refrigeration and Air Conditioning				2/ 2				
		Principle 空調工程與設計				21 2				
		全調工任央設計 Air Conditioning Engineering and Design 冷凍空調自動控制					2/ 2			
		Automatic Control of Refrigeration and Air					2/ 2			
		Conditioning 實務專題(1)(2)(3)(4)			2/ 2	2/ 2	2/ 2	2/ 2		
		Practical Project(1)(2)(3)(4) /]\	6/ 6	2/ 2	6/ 6	10/ 10	6/ 6	2/ 2	0/ 0	0/ 0
		水電實務基本技能實習 Basic Practice in Electrical, Plumbing & Air	2/ 2							
		Conditioning Engineering 程式語言								
		Programming Language	2/ 2							
		微積分 Calculus 甘淋浴油が開始終練期	2/ 2							
		基礎冷凍空調裝修實習 Basic Maintenance & Practice of Refrigeration and		4/ 4						
		Air Conditioning 電子學		2/ 2						
		Electronics 電器修護實習		21 2	4/ 4					
		Electric RepAiring Practice 電力電子學								
		Power Electronics			2/ 2					
		風力發電 Wind Power			2/ 2					
		進階冷凍空調裝修實習	1			4/ 4				
		Advanced Maintance - 0 December CD C		•		4/4	1	1	1	
		Advanced Maintenance & Practice of Refrigeration and Air Conditioning				"				
						2/ 2				

中信科技大學 四年制 冷凍空調與能源系 日間部 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 Four-Year Bachelor's Degree Program -Day Division (Effective from Fall 2024) 科日名稱 下學期 學分 時數Ho 上學期 下學期 上學期 上學期 上學期 下學期 Subject 學分 時數He 學分 時數Ho 學分 時數Ho 恩分 時數Ho 學分 時數H 時數H 學分 時數 電腦輔助冷凍空調繪圖 Computer Aided Refrigeration and Air Conditioning 4/ 4 2/ 2 Fire Protection Engineering 機電與能源實習 4/ 4 Practice of Mechatronics and Energy 2/ 2 Ventilation Engineering Heat Transfer 半導體廠務工程 Semiconductor Facility Engineering 2/ 2 2/ 2 Energy-Saving Technology in Refrigeration and Air 2/2 Conditioning **流體機械** 2/2 Fluid Machinery 空調設計實務 2/2 Design Practice of Air Conditioning 冷凍空調工程管理 Management of Refrigerating and Air Conditioning 2/2 Engineering 智慧財產權 2/2 Intellectual Property Right 工業安全衛生 2/2 Industrial Safety and Health 產業校外實習 9/ Industrial Off-Campus Internship 智慧能源管理技術 21.2 Smart Energy Management Technology 智慧生活與物聯網實習 2/2 Smart living and practical training of Internet of 熱交換器設計 Heat Exchanger Design 2/ 2 Computer Aided Air Conditioning System Analysis 冷凍空調系統設計 Design & Construction of refrigeration and Air-2/2 Conditioning System 2/ 2 Noise principle and Preventio 學期校外實習 9/ Off-campus Semester Internship 12/12 6/6 6/6 8/8 8/8 6/6 12/12 12/ 12 必修學分 18/ 0/ 19/ 17/ 18 14/ 14 0/ 擬開最低學分 128/ 擬開最低專業選修學分 合 計Total 2/2 4/ 4 4/4 4/ 4 8/8 10/ 10 8/8 Credits 113年08月 日 校課程發展委員會會議通過Amended Date: 2024-08-00 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. 跨系撰修至多12學分。 The number of inter-department elective credits shall be up to 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. 備註 、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", "Department Professional Elective Course", and "Inter-College Elective Courses" within their academic years. 2.系專業能力門檻(遠東科技大學冷凍空調與能源系畢業門檻實施要點辦理)。 Department Professional Threshold (Far East University Regulations of Graduation Threshold of Refrigeration Air Conditioning and Energy Department) 英文能力門檻(遠東科技大學輔導學生取得英檢證照實施辦法辦理)。 English Proficiency Threshold (Far East University Regulations of Tutoring Students to Get English Proficiency Certificates) 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 those that may be mutually complemented by each other may be only "Service Education and University Social Responsibility (1) (2)" and "Liberal Arts and Interdisciplinary Learning (1)(2)(3)(4)(5)". 3.校訂課程不須依先後順序修課,包括「全民國防教育軍事訓練(1)(2)(3)(4)」課程。 Stipulated courses are not required to be taken in sequence, including National Defense Education and Military Training (1)(2)(3)(4). 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。 Practical Project(1)(2) (3) (4) shall be taken in sequence and the credits shall be mutually transferred.

14+系必32+ 擬開最低專 業撰修46= 128

校必36+院必

70/

46/

			-Day Division 第一	里年	n Fall 2024) 第二	學年	第三	學年	第四	學年
		科目名稱 Subject	上學期	下學期	上學期	下學期	上學期	下學期	上學期	下學期
		中文閱讀與表達(1)(2)	學分 時數Ho Credits urs	學分 時數F Credits ours						
		Chinese Reading and Expression(1)(2)	2/ 2	2/ 2						
	通識	英文聽力與閱讀(1)(2) English Listening and Reading(1)(2)	2/ 2	2/ 2						
	基礎	服務教育與大學社會責任(1)(2) Service Education and University Social	1/ 1	1/ 1						
	必修 Required General Education Courses	Responsibility (1)(2) 體育(1)(2)(3)								
		Physical Education(1)(2)(3)	2/ 2	2/ 2	2/ 2					
		多元語言 Multilingual Learning			2/ 2					
		/\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	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						
₽X:±T		創意思考與訓練 Creative Thinking and Training		2/ 2						
校訂 課程		博雅與跨域學習(1)			2/ 2					
tipulated Courses	通識博雅必修	Liberal Arts and Interdisciplinary Learning (1) 資訊與智慧生活								
	Required Liberal Arts Courses	Information and Smart Life			2/ 2					
	This courses	生命與永續 Life and Sustainability				2/ 2	2/ 2			
		人文與社會 Humanities and Social Sciences					2/ 2			
		藝術與美感						2/ 2		
		Art and Beauty /小 計Subtotal	2/ 2	4/ 4	4/ 4	2/ 2	4/ 4	2/ 2	0/ 0	0/ 0
		全民國防教育軍事訓練(1)(2)(3)(4) National Defense Education and Military	2/ 2	2/ 2	2/ 2	2/ 2				
	一般選修	Training (1)(2)(3)(4)	21 2	<i>∆I ∆</i>	21 2	414				
	General Elective Courses	博雅與跨域學習(2)(3)(4)(5) Liberal Arts and Interdisciplinary Learning				2/ 2	2/ 2	2/ 2	2/ 2	
		(2)(3)(4)(5) / 計Subtotal	2/ 2	2/ 2	2/ 2	4/ 4	2/ 2	2/ 2	2/ 2	0/ 0
		數學演練習作	3/ 3	LI L	LI L	7/ 4	LI L	LI L	LI L	0/0
		Math exercises 生活物理								
	院必修	Physics of life 電腦軟體應用	3/ 3							
	課程	Computer Software Application		2/ 2						
	Required College	職場倫理 Employment Ethics		2/ 2						
	Courses	半導體概論 Introduction of Semiconductor			2/ 2					
		簡報製作與表達				2/ 2				
		Presentation and Communication Skills /	6/ 6	4/ 4	2/ 2	2/ 2	0/ 0	0/ 0	0/ 0	0/ 0
目→k ハ		熱力學 Thermodynamics	3/3							
專業必 修課程		冷凍空調原理		3/ 3						
ofessional Required		Principles of Refrigeration and Air 電工學								
Courses		Electricity Engineering 能源工程		3/ 3						
	系必修	Energy Engineering			3/ 3					
	課程	流體力學 Fluid Mechanics			3/ 3					
	Required Department	冷凍工程與設計 Refrigeration Engineering and Design				3/ 3				
	Courses	空調工程與設計					3/ 3			
		Air Conditioning Engineering and Design 冷凍空調自動控制								
		Automatic Control of Refrigeration and Air Conditioning					3/ 3			
		實務專題(1)(2)(3)(4) Practical Project(1)(2)(3)(4)			2/ 2	2/ 2	2/ 2	2/ 2		
		小 計Subtotal	3/ 3	6/ 6	8/8	5/ 5	8/ 8	2/ 2	0/ 0	0/ 0
		工程圖學 Engineering Drawing	3/ 3							
		電子學	3/ 3							
		Electronics 水電實務基本技能實習								
		Basic Practice in Electrical, Plumbing & Air Conditioning Engineering	3/ 3							
		微積分 Calculus	3/ 3							
		基礎冷凍空調裝修實習								
		Basic Maintenance & Practice of Refrigeration and Air Conditioning		3/ 3						
		程式語言		3/ 3						
		Programming Language 電力電子學		3/ 3						
		Power Electronics 冷凍空調裝修實習		د اد						
		Maintenance & Practice of Refrigeration and Air Conditioning			3/ 3					
		電器修護實習			3/ 3					
		Electric RepAiring Practice 冷凍空調原理實驗			3/ 3					
		Experiment of Refrigeration and Air Conditioning Principle			3/ 3					
		進階冷凍空調裝修實習				212				
		Advanced Maintenance & Practice of Refrigeration and Air Conditioning				3/ 3				
		半導體廠務工程 Semiconductor Facility Engineering				3/ 3				
		可程式控制實習				3/ 3				
		Programmable Logic Control Practice 風力發電								
		Wind Power				3/ 3				
		電腦輔助冷凍空調繪圖								

中信科技大學 四年制 冷凍空調與能源系 日間部 課程規劃表 (適用113學年度入學) $CTBC\ university\ of\ technology\ Curriculum\ of\ Refrigeration\ Air\ Conditioning\ and\ Energy\ Department\ for\ Four-Year\ Bachelor's\ Degree\ Program$ -Day Division (Effective from Fall 2024) 科目名稱 上學期 上學期 上學期 Subject 時數Ho 時數H 學分 時數 學分時數F LED原理與應用 3/3 Principle and Application of LED 機電與能源實習 系專業撰修 3/3 課程 Practice of Mechatronics and Energy 空調設計實務 Professional 3/ 3 Elective Design Practice of Air Conditioning 通風工程 Courses 3/3 Ventilation Engineering 3/3 Heat Transfer 3/3 Fire Protection Engineering 冷凍空調節能技術 Energy-Saving Technology in Refrigeration 3/3 and Air Conditioning 流體機械 3/3 Fluid Machinery 太陽能工程 3/3 Solar Energy Engineering 冷凍空調工程管理 Management of Refrigerating and Air 3/3 Conditioning Engineering 智慧財産權 2/2 Intellectual Property Right 工業安全衛生 2/2 Industrial Safety and Health 產業校外實習 9/ Industrial Off-Campus Internship 智慧能源管理技術 3/3 Smart Energy Management Technology 智慧生活與物聯網實習 mart living and practical training of Internet 3/3 of Thing **執**交換器設計 3/3 Heat Exchanger Design 電腦輔助空調系統分析 Computer Aided Air Conditioning System 3/3 Analysis 令凍空調系統設計 Design & Construction of refrigeration and 3/3 Air-Conditioning System 學期校外實習 9/ Off-campus Semester Internship 15/ 15 小 計Subtotal 16/ 16 擬開最低專業選修學分 合 計Total 3/3 3/3 3/3 3/3 9/9 10/ 10 9/9 Proposed Minimum Elective 6/6 Credits 113年07月 日 校課程發展委員會會議通過Amended Date: 2024-07-00 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. 跨系撰修至多12學分。 The number of inter-department elective credits shall be up to 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. 備註 二、畢業門檻:Graduation Threshold Note 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", "Department Professional Elective Course", and "Inter-College Elective Courses " within their academic years. 2. 系專業能力門檻(遠東科技大學冷凍空調與能源系畢業門檻實施要點辦理)。 Department Professional Threshold (Far East University Regulations of Graduation Threshold of Refrigeration Air Conditioning and Energy Department) 3.英文能力門檻(遠東科技大學輔導學生取得英檢證照實施辦法辦理)。 English Proficiency Threshold (Far East University Regulations of Tutoring Students to Get English Proficiency Certificates) 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 those that may be mutually complemented by each other may be only "Service Education and University Social Responsibility (1) (2)" and "Liberal Arts and Interdisciplinary Learning (1)(2)(3)(4)(5)". 3.校訂課程不須依先後順序修課,包括「全民國防教育軍事訓練(1)(2)(3)(4)」課程 Stipulated courses are not required to be taken in sequence, including National Defense Education and Military Training (1)(2)(3)(4). 四、專業課程: Professional Courses: 「實務專題(1)(2)(3)(4)」課程應依先後順序修課,得互抵。 Practical Project(1)(2) (3) (4) shall be taken in sequence and the credits shall be mutually transferred.

14+系必32+ 擬開最低專 業選修46= 128

校必36+院必

94/

128/

46/