明志科技大學四技部 113 學年度入學 化學工程系 課程總表 Ming Chi University of Technology ^{「2024} SchoolYear」 Department of Chemical Engineering

113/06/18权課程委員會議通過 113/06/06院課程委員會議通過 113/06/06课程委員會議通過 Examination at School Curriculum Committee Meeting on Jure 18.2024 Examination at College Curriculum Committee Meeting on Jure 6.2024 Examination at Department Curriculum Committee Meeting on Jure 4.2024

March Marc		Course Name		·±	一下 二上		二下		三上三下			四上		四下			Examination at De		at College Curriculum Committee Meeting on June 6,2024 epartment Curriculum Committee Meeting on June 4,2024		
Mathematical Control			Grade 1 First Semester		Grade 1			Grade 2		Grade 3 G First Semester Secon		Grad	le 3	Grade 4 First Semester		Grade 4		條件			
Column																			Upper	Lower	Remarks
Mathematical Mathematical Action		Expraccion)		_															LIIIII	LIIIIK	
March Marc	礎 課 程 開 設 20 學	生活與職場英文(English for Life and Business)	3	3																	
Column		體育(Physical Education)		_	1	2	1 2	1	2												
Column		歷史思維與多元文化領域(Historical Thinking and Multicultural Studies)			-		1 2														
Column C	Basic Course	英文實務(一)~(二)(Practical English(I)-(II))	7.5	40	0.5	0				0	0	0	0								
March Marc					6.5	9	2 4	4	ь	0	0	0	0	0	2	U	2				
## Commonwealth of the Com	Core Course		1	0																	
Mathematical Control	(2 5.65.15)		-	2	'	1				1	1										
### March Profit Control (1) ### March Profit																					
## PAPER STATE OF THE CONTROL OF THE	Common School Course	工讀實務實習(二)(Practical Training Curriculum (2))										4									
Proceedings												5									
March Marc			1	3	1	3	0 0	0	0	1	1	19	0	0	0	0	0				
## MATCHING COLOR 10 1		普通物理(General Physics)	3	3																	
## Common Print		計算機程式設計(Computer Programming)																			
## 15 Part		有機化學(一)(Organic ChemistyI)			3	3															
Mathematical Control of Control																					
Company Comp	必修							1	2												演講式課程Lecture series
## Comment	程																				
Marche of the control	學	(Unit Operation and Transport Phenomena I)						3	3												
Company	Department Professional	(Unit Operation and Transport Phenomena II)																			
Part	(58 Credits)	化工熱力學(Chemical Engineering Thermodynamics)								3	3										
## MATERIAL PROPERTY AND ALTERNATIONS AN		程序設計(Process Design)								3	3										
## 19 19 19 19 19 19 19 19														_		1	2				演講式課程Lecture series
State		化學工程實置(I)(II)(Practice for Chemical Engineering, I~II)												1			4				
Part	組選修課程 6	合 計Total	13	15	10	12	9 9			10	12	0	0	6	12						ms CD // 69 HB //O A or all and Character and and and
### A PART																					
## 15 19 19 19 19 19 19 19																					化工製程模組Chemical Engineering Processes module
Miles														3	3						化工製程模組Chemical Engineering Processes module
### HINDERS MARCHANISMAN STATE 1 1 1 2 3 3 1 3 1 1 1 1 1 1	分 Elective modules	合 計 Total	0	0	0	0	0 0	9	9	0	0	0	0	3	3	0	0				
### PUT SET MANUAL MAN	(6 Credits)	材料科學粵論(Introduction to Material Science)			3	3															榮譽學分學程選修Honors credit program elective
## 14/18/18/18/19/19/19/19/19/19/19/19/19/19/19/19/19/					3	4															榮譽學分學程選修Honors credit program elective
### CFR Ministration																					榮譽學分學程選修Honors credit program elective
Expression		·																			榮譽學分學程選修Honors credit program elective
Months M																					
### Substitution Process Process							1 2														
### Defection (Particles) Visible and Procession ### 12		能源工程概論					3 3														
### 2015 전 10 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		能源材料與製程導論					3 3														
### 10년 등이 Channel Experising D								1	3												
工業事業に																					榮譽學分學程選修Honors credit program elective
Regular Space (Areas Chemical Explosure)																					榮譽學分學程選修Honors credit program elective
一部語の代記すりませんのでは、		(Special Topics in Practice of Chemical Engineering II)																			
### SECURITY SEQUENCE Contains Experience: ### SECURITY SEQUENCE CONTAINS SEQUENC	業 選 修 課							3	3	3	3										榮譽學分學程選修Honors credit program elective
***		電化學(Electrochemistry)								3	3										榮譽學分學程選修Honors credit program elective
Special Paper of Chamical Experience 1										1	3										
변경 변경 변경 (March and Analysia Processor)		(Special Topics in Practice of Chemical Engineering III)																			
변경을 변경을 변경을 변경을 받는다는 전문에 변경을 받는다는 전문에 변경을 받는다는 전문에 변경을 받는다는데 전문에 변경을 받는다면 전문에 문제																					
日本の関係を持っている。	至									-	-	3	3								遠距教學Distance learning
변경 변경 변경 환경 환경 환경 변경	少 34											3	3					_			遠距教學Distance learning
Profession Belove (Pacel and Pacel Registration of Section Registration (Pacel And Pacel Registration) (Pacel And Pacel Registration) (Pacel And Pacel Registration) (Pacel And Pacel Registration) (Pacel Registration)		生物科技與生質能源產業										3	3								遠距教學Distance learning
Pacific for Chemical Industry Pacific For Chemical Engineering 日本	Elective	儀器分析實驗(Instrumental Analysis Experiment)												1	3						
位工程開設目代表のLanguage Management Design in Chemical Engineering)	least 34													3	3						漢邁式譚程,榮譽學分學程選修Lecture series,Honors credit program elective
整備の (Nomerical Analysis)																					榮譽學分學程選修Honors credit program elective
性に不同性(bichemical Expineering)																					榮譽學分學程選修Honors credit program elective
展売時期開始 (Process Count) and Experiment)											+										and program elective
電池漁漁員分析技術(Battery Testing and Analysis Technology)		化工程序與安全(Chemical Processing and Safety)																			
生物技術整質機(Glotochrology and Practice) 原水材料與技術(Nanomaterial and Technology) 中野機化工場用(Computer Application in Chemical Engeering) 開発機能の関係を対象を関係している。 「中野機能は、中野機能を対象を対象を対象を対象を対象を対象を対象を対象を対象を対象を対象を対象を対象を																					榮譽學分學程選修 Honors credit program elective
無対射射技術(Nanomaterial and Technology)														.5	3	3	3				
電路板刷半導體を作(Flabrication of Semiconductor and PCB)																					榮譽學分學程選修 Honors credit program elective
化工製置業務課産(Professional Topics in Chemical Cartography)																					榮譽學分學程選修 Honors credit program elective
藤色化學技術醫實驗 (Green Chemistry Technology and Experimenx) 憲策技術及問題解析 (Problem Solving and Technical Communication) 計算化學(Computational Chemistry) 「理電池産業實務專題講座(Lecture on Lithium Battery Industry Practice) 「会計Total 0 0 6 7 17 21 11 15 14 17 9 9 9 25 27 27 27 27 27 27 27 27 27 27 27 27 27											\perp										榮譽學分學程選修 Honors credit program elective 滿满式課程
Circen Chemistry Technology and Experiment)		綠色化學技術暨實驗									+										a कार अन्य का कार का
Problem Solving and Technical Communication		產業技術及問題解析																			
超電池產業實務專題講應(Lecture on Lithium Battery Industry Practice) A																					
A																					
原葉 選修 Professional Elective 1 3 0 0 0 3 3 1 3 0 0 0 0 0 0 0 0 0 0 0		·	0	0	6	7	17 21	11	15	14	17	9	9	25	27						
選修 Professional Elective	State with 1997						21														
Elective 頂石專題 (Capstone Project) 1 3 1 3 0 0 0 0 0 0 合計Total 0 0 1 3 0 0 3 3 1 3 0 0 0 0 0 0 0	選修	奈米光觸媒的綠色環境應用(Green application of nano-photocatalysis)						3	3												
佛莊			0	0	1	3	0 0	3	3	1		0	0	0	0	0	0				
1. 本糸學生於學業前至少須取得越用化學模糊之選修課程6學分享化工製程模糊之選修課程6學分。					*		, J				-		J			-					

Is Students of this department must take at least 6 credits of elective courses in either the Applied Chemistry module or the Chemical Engineering Processes module before graduation.

2. Students who have completed a second-specialization credit program: The minimum graduation credit structure is adjusted as follows: 42 credits from common required courses, at least 8 credits from elective General Education courses (choose four categories from the given five categories; 2 credits for each category), and 58 credits from major required,6 credits for monimon required courses, totaling 148 credits in all. Completed second-specialization credit program remine and salisted as follows: 42 credits from common required courses, totaling 148 credits in all. Completed second-specialization credit program remine and salisted as follows: 42 credits from common required courses, at least 8 credits from elective ceredits.

3. Students who have completed an interdisciplinary credit program. The minimum graduation credit structure is adjusted as follows: 42 credits from elective ceredits.

3. Students who have completed in interdisciplinary credit program. College of Environment and Resources must complete at least 8 credits from elective courses (choose four categories from the given five categories; 2 credits for each category), and 58 credits from major required,6 credits for 4. Students who have applied for Interdisciplinary Practical Ellier Program. College of Environment and Resources must complete at least 8 credits from elective courses for Materials Engineering/Safety, Health and Environmental Engineering.

5. The upper limit of course selection per semseter is 27 credits, with no less than 16 credits for the first to second game and the second semset of Grade 3 will be coursed as the second semset of Grade 3 will be coursed as the second semset of Grade 3 will be coursed as the second semset of Grade 3 will be clusted as followed:

5. The course for first semseter of Grade 3 will be health and category.

5. The course