112學年度日間部 風力發電學位學程 四技課程規劃表

	第一學年(112))					第二學年(113)						第三學年(11	4)			
			學期	T:	- 学期			上点	- 対	下	早期			上	學期	下	学期
	科目	_	_	學分	_		科目	學分	時數	學分	時數		科目	學分	時數	學分	時數
	性育	1	2	1	2		分類通識	2	2	2	2						
校	分類通識	2	2	2	2	校	分類通識	2	2			校					
必修	分類通識	2	2	2	2	必修						必修					
13	小計	5	6	5	6	13	小計	4	4	2	2	13	小計				
	微積分(一)(二)	3	3	3	3		科技英文(三)(四)	2	2	2	2						
	物理(一)(二)	2	2	2	2	1	工程倫理	2	2								
	惩用中文(一)(二)	2	2	2	2										-,		
院	科技英文(一)(二)	2	2	2	2	院						院					
必	程式設計	2	2			沙						必					
修				2	2	修						修					
	小計	11	11	11	11		小計	4	4	2	2		小計				
\vdash	風力發電機論	3	3				工程數學(一)	3	3				電力系統	3	3		
	線能科技	3	3			1	工程力學	3	3				健岸風電結構與海事工程	3	3		
	機電系統機論			2	2		電子學(一)	3	3				可程式控制器			3	3
	電路學(一)	1		3	3		離岸與陸城風電基礎	3	3				實務專題(一)(二)	1	ï	1	1
	6-0-1 ()						電機機械實習			1	2		雄岸與陸城風電維運工程			3	3
		1	\vdash		-		電機機械			3	3				-		
專業						專業	風力發電系統實務			3	3	專業					
系必		-	-			赤必	電腦繪圖(一)	-		3	3	赤必		1			
修		\vdash				修	建築BIM建模		-	3	3	修		1			
		-			-		Rannen			-	-			1			
		-	-		-	1		-						+	-		
		-	-			1											
			-		-						-			-			
	小計	6	6	5	5	1	小針	12	12	13	14		小計	7	7	7	7
_	1/v el	0	0	3	-		(4.4)	12	12	13	14		工業安全衛生	3	3		Ė
-		-			-	-			-	-	-		混就與系統	3	3	-	
		-	-	-	-	1				-			微處理機實務	3	3		
		-	-	-	-	-			-		_		被 是 立	3	3	-	
		-	-		-	-		-	-		-		就电影// (1)	3	3	-	_
		-			-	1			-		-			3	3	-	
		\vdash	-	-	-			-	-	-	-		半導體製程與設備	3	3	-	
專			-	-	-	專		-	-	-	-	專	電路學(二)	3	3		
紫選		-	-	-	-	紫選		-		-	-	紫涯	電腦繪圖(二)	13	,	3	3
修		-			-	修			-		-	修	微電網系統設計	+-		3	3
1000		-	-	-	-				-		-	.min	智慧環境監測實務	-	-	3	3
		-	-	-	-	1			-		-		非破壞性檢測實務	+		3	3
		-	-			-							绿建築	-		3	3
		-	-	-	_	-		_	-		_		電力電子實務	-		-	-
		-	-	-		1							智慧電網	-	-	3	3
		-	-	-	_				-		-		工程數學(二)	-		3	3
											_		電子學(二)			3	3

		上生		下學期		
	科目	學分	時數	學分	時數	
校必修	小計	37 6 9		7.8		
院必修	小計					
專業	校外質習			9	9	
必修	小計			9	9	
	企業實習	9	9			
	人機介面與圖形監控技術	3	3			
	量測技術與應用	3	3			
	電力負載管理	3	3			
	電動機控制實務	3	3			
	環境影響評估	3	3			
專	工程採購與發包			3	3	
紫選	專案管理			3	3	
修修	即時控制實務			3	3	
	控制系统設計			3	3	
	機器人工程			3	3	
	地理資訊系統實務			3	3	

專業選修課程開課	規劃
學期	時數
第一學年第一學期	0
第一學年第二學期	0
第二學年第一學期	0
第二學年第二學期	0
第三學年第一學期	9
第三學年第二學期	9
第四學年第一學期	9
第四學年第二學期	0
開課時數據計	27

共同科目:體育 通識科目:分類通識 專業科目:院必修、專業必修、專業選修

科目類別:

項目	學分	時數
校必修	16	18
院必修	28	28
專業必修	59	60
專業選修	25	25
合計	128	131

注意事項:

1.本校訂有學生基本能力與畢業門從實施辦法。

2.學生需修習勞作教育(0學分4小時),並於第一學年上下二學期賞施。

3.一~三年級每學期應修習16~30學分,四年級每學期應修習9~30學分。

4.最低畢業學分:128學分;必修學分:183學分;選修學分:25學分(選修學分會跨系選修學分);

惟於本系專業選修學分不得低於 學分。





MUST Curriculum Planning for Undergraduate Students for Academic Years 2023-2026 Bachelor Program of Wind Power

	1 ^s year(112)						2 nd year(113)						3 rd year(114)						
	Course		l st nester		ester		Course		ster	2 sem	ester		Course	1st semester		2 rd semester			
	Course	Cr.	hr.	Cr.	hr.		Course	Cr.	hr.	Cr.	hr.		Course	Cr.	hr.	Cr.	hr.		
VOICE C	Physical Education	1	2	1.	2	AGIST C	Classified General Education	2	2	2	2	MUST Core							
	Classified General Education	2	2	2	2	MUST Core Required	Classified General Education	2	2			Required					200		
	Classified General Education	2	2	2	2	Courses						Courses							
	Subtotal	5	6	5	6		Subtotal	4	4	2	2	1 1	Subtotal				-		
	Calculus (I) (II)	3	3	3	3		Technical English (III) (IV)	2	2	2	2	School							
School	Physics (I) (II)	2	2	2	2	-	Ethics for Engineers	2	2								-		
	Applied Chinese(I)(II)	2	2	2	2	School													
Professional	Technical English(I)(II)	2	2	2	2	Professional						Professional							
Required	Introduction to Programming	2	2			Required						Required					-		
School Professional	Introduction to Artificial Intelligence			2	2	Courses						Courses							
	Subtotal	11	11	11	11		Subtotal	4	4	2	2		Subtotal						
	Introduction to Wind Power 3		3				Engineering Mathematics I	3	3				Power System	3	3				
	Green Energy Technology	3	3				Engineering Mechanics	3	3			Compulsory courses	Offshore Wind Farm Structures and Maritime Engineering	3	3				
	Introduction to Mechatronics			2	2		Electronics I	3	3				Programmable Logic Controller			3	3		
	Circuit Theory I			3	3		Offshore & Onshore Wind Turbine Foundation	3	3				Special Practical Projects (I)(II)	1	1	1	1		
Compulsory						Compulsory	Electrical Machinery Practice			ī	2		Offshore & Onshore Wind Operations and Maintenance			3	3		
courses			†			courses	Electrical Machinery			3	3		Engineering				\vdash		
						1	Wind Power System Practice			3	3								
							Computer Aided Drawing I			3	3								
							Building Information Modeling		No.	3	3				-8.00				
	Subtotal	6	6	5	5		Subtotal	12	12	13	14		Subtotal	7	7	4	4		
													Industrial Safety and Health	3	3				
													Signal and System	3	3				
MUST Core Required Courses School Professional Required Courses S C C C C C C C C C C C C													Microcontroller Practice	3	3				
													Power Generation System and Energy Conversion	3	3				
													Electric Distribution Engineering	3	3		_		
												Elective Courses	Semiconductor Manufacturing Process and Equipment	3	3				
													Circuit Theory II	3	3				
						Elective Courses							Computer Aided Drawing II	3	3				
						-							Smart Environmental Monitoring Practices			3	3		
													Microgrid Systems Design			3	3		
													Non-destructive Testing Practice			3	3		
													Green Building			3	3		
						1							Power Electronics Practices			3	3		
						1							Smart Grid			3	3		
Professional Required Courses Courses Compulsory courses						1							Engineering Mathematics II			3	3		
						1							Electronics II			3	3		

	4th year(115					
	Course	l semi	st ester	2 nd semester		
		Cr.	hr.	Cr.	hr	
MUST Core Required						
Courses	Subtotal					
School Professional Required						
Courses	Subtotal					
Compulsory	Off-Campus Practice Training			9	9	
courses	Subtotal	- 0	- 0	9	9	
	Industrial Practice Training	9	9			
	Human-Machine Interface and Graphics Monitoring Technology	3	3			
	Measurement Technology and Applications	3	3			
	Power Load Management	3	3			
	Electric Motor Control Practices	3	3			
Elective	Environmental Impact Assessment	3	3			
Compes	Project Procurement & Contract Award			3	3	
	Geographic Information System Practice			3	3	
	Project management			3	3	
	Real-time Control Practices			3	3	
	Control System Design			3	3	
	Robotics Engineering			3	3	

Cr./hr.=Credit/hour

Remarks:

- According to university regulations, students are required to meet the graduation requirement of basic language proficiency and professional skills.
- 2. Students shall take 4 hours Service Education courses (0 credits) in the first and second semester of the first academic year.
- 3. In the first three years, students must take 16-30 credits per semester, and 9-30 credits per semester in the 4th year.
- Minimum credits required for graduation: 128 credits including 103 compulsory credits, and at least 25 elective credits (13 interdepartmental credits are included).
- 5. Students having graduated from a foreign country, including Hong Kong and Macau, with the equivalent of the second year of high school study of the ROC's high school sophomore level, or with a high school equivalent degree, need to take 140 credits including 103 compulsory credits, and at least 37 elective credits (including inter-departmental elective credits), while elective professional course credits shall not be fewer

than 25. The program can be extended up to 3 academic years.

6.Students should take off-campus interuship courses, and the relevant measures are handled in accordance with the Implementation of Off-campus Internship Teaching for Students in the Department of Mechanical Engineering*.

7. The optional off-campus intership in the first semester of the fourth grade is 9 credits.

The subject name is Wind Power Practice, which is limited to those who participate in the off-campus internship工程學完成。

8. Elective courses are subject to change if necessary,





