

115學年度課程規劃表

工業工程與管理系

日間部四技

第一學年(115)						第二學年(116)						第三學年(117)					
	科目	上學期		下學期			科目	上學期		下學期			科目	上學期		下學期	
		學分	時數	學分	時數			學分	時數	學分	時數			學分	時數	學分	時數
校必修	分類通識	2	2	2	2	校必修	分類通識	2	2	2	2	校必修	分類通識	2	2	2	2
	體育	2	2	2	2		商務英文(三)(四)	2	2	2	2						
	應用中文(一)(二)	2	2	2	2			體育	2	2							
	商務英文(一)(二)	2	2	2	2												
	小計	8	8	8	8			小計	6	6	4		4	小計	2	2	2
院必修	程式設計概論	3	3			院必修						院必修	專業倫理	3	3		
	管理學	3	3														
	人工智慧概論			3	3												
	經濟學			3	3												
	統計學			3	3												
小計	6	6	9	9	小計	0	0	0	0	小計	3	3	0	0			
專業必修	管理數學	3	3			專業必修	人因工程	3	3			專業必修	作業研究	3	3		
	製造工程	3	3				工業自動化	3	3				物料管理	3	3		
	工程圖學	3	3				工作研究	3	3				設施規劃	3	3		
	成本會計			3	3		系統分析與設計	3	3				品質工程			3	3
							生產管理			3	3						
							工程經濟			3	3						
							品質管理			3	3						
	小計	9	9	3	3		小計	12	12	9	9		小計	9	9	3	3
專業選修	理化應用	3	3			專業選修	工程報告寫作	3	3			專業選修	創意思考概論	3	3		
	資訊素養			3	3		統計方法與應用	3	3				人力資源管理	3	3		
	心理學			3	3		試算表應用	3	3				統計軟體應用	3	3		
							市場調查			3	3		企業資源規劃	3	3		
							行銷管理			3	3		半導體製造與管理	3	3		
							工業安全概論			3	3		溫室氣體管理	3	3		
							企業永續發展			3	3		生產排程	3	3		
							物聯網應用實務			3	3		品質管理實務應用			3	3
													工業工程實務與應用			3	3
													管理資訊系統			3	3
													專案管理			3	3
													財務管理			3	3
													供應鏈管理			3	3
													半導體封裝製程與設備			3	3
													生產與作業管理技術師證照輔導			3	3
													風險管理			3	3

第四學年(118)					
	科目	上學期		下學期	
		學分	時數	學分	時數
校必修					
	小計	0	0	0	0
院必修					
	小計	0	0	0	0
專業必修	實務專題	1	1	1	1
	小計	1	1	1	1
	校外實習	9	9	9	9
專業選修					

【科目類別】		學分	時數
通識科目、共同科目	校必修	30	30
	院必修	18	18
	專業必修	47	47
	專業選修	33	33
合計		128	128

【注意事項】

- 1.最低畢業學分：128 學分，含必修：95，選修 33 學分(本系至少 21 學分，其餘可跨系)。
- 2.一、二、三年級每學期修課16~30學分，四年級每學期修課9~30學分。
- 3.表列專業選修課程，得依實際情況進行調整。
- 4.請依本校「學生基本能力與畢業門檻實施辦法」實施。
- 5.校外實習課程，請依相關實施要點辦理。
- 6.畢業年級相當於國內高級中等學校二年級之國外或香港、澳門同類同級學校畢業生，以同等學歷修讀本校學士學位者，最低畢業學分：140學分，可延長修業年限三年。
- 7.本表建立於115年3月5日。



工管系主任 李得盛

MUST Curriculum Planning for Undergraduate Students for Academic Years 2026-2029

Department of Industrial Engineering and Management

1 st year(115)						2 nd year(116)						3 rd year(117)					
	Course	1st semester		2 nd semester			Course	1st semester		2 nd semester			Course	1st semester		2 nd semester	
		Cr.	hr.	Cr.	hr.			Cr.	hr.	Cr.	hr.			Cr.	hr.	Cr.	hr.
MUST Core Required Courses	Classified general Education	2	2	2	2	MUST Core Required Courses	Classified general Education	2	2	2	2	MUST Core Required Courses	Classified general Education	2	2	2	2
	Physical Education	2	2	2	2		Applied English(III)(IV)	2	2	2	2						
	Applied Chinese(I)(II)	2	2	2	2		Physical Education	2	2								
	Applied English(I)(II)	2	2	2	2												
	Subtotal	8	8	8	8		Subtotal	6	6	4	4		Subtotal	2	2	2	2
School Professional Required Courses	Introduction to Computers and Programming	3	3			School Professional Required Courses					School Professional Required Courses	Ethics for Professional	3	3			
	Management	3	3														
	Introduction to Artificial Intelligence			3	3												
	Economics			3	3												
	Statistics			3	3												
	Subtotal	6	6	9	9		Subtotal	0	0	0		0	Subtotal	3	3	0	0
compulsory courses	Mathematics for Management	3	3			compulsory courses	Human Factors Engineering	3	3		compulsory courses	Operations Research	3	3			
	Manufacturing Engineering	3	3				Industrial Automation	3	3			Materials Management	3	3			
	Engineering Graphics	3	3				Work study	3	3			Facility Planning	3	3			
	Cost Accounting			3	3		Systems Analysis and Design	3	3			Quality Engineering			3	3	
					Production Management				3	3							
					Engineering Economy				3	3							
Elective Courses						Quality Management			3	3							
	Subtotal	9	9	3	3	Subtotal	12	12	9	9	Subtotal	9	9	3	3		
	Application for Physics and Chemist	3	3			Engineering Report Writing	3	3			Elective Courses	Introduction to Creative Thinking	3	3			
	Information Literacy			3	3	Statistical Methods and Applications	3	3				Human Resource Management	3	3			
	Psychology			3	3	Application of Spreadsheet Softwares	3	3				Application of Statistical Package	3	3			
					Market Survey			3	3			Enterprise Resource Planning	3	3			
					Marketing Management			3	3			The Semiconductor Making and Management	3	3			
					Induction of Industrial Safety			3	3			GHG Management	3	3			
					Enterprise for Sustainable Development			3	3			Production Scheduling	3	3			
					Application of Internet of Things			3	3			Application Quality Management Practices			3	3	
												Practice and Application of Industrial Engineering and Management			3	3	
												Database Management Systems			3	3	
												Project Management			3	3	
												Financial Management			3	3	
												Supply Chain Management			3	3	
												Semiconductor Packaging Process and Equipment			3	3	
												Certification Assistant Program for POM			3	3	
												Risk Management			3	3	

4 th year(118)					
	Course	1st semester		2 nd semester	
		Cr.	hr.	Cr.	hr.
MUST Core Required Courses					
	Subtotal	0	0	0	0
School Professional Required Courses					
	Subtotal	0	0	0	0
compulsory courses	Special Topics Practice	1	1	1	1
	Subtotal	1	1	1	1
Elective Courses	Practicum Training	9	9	9	9

Cr./hr.=Credit/hour

Remarks:

1. Minimum graduation credits: 128 credits; Compulsory credits: 95 credits. Elective credits: 33 credits (elective credits include inter-departmental elective credits); the elective credits for majors in the department must not be lower than 21 credits.
2. In the first three years, students must take 16-30 credits per semester, and 9-30 credits per semester in the 4th year.
3. Elective courses are subject to change if necessary.
4. Please implement according to the school's "Implementation Measures for Students' Basic Abilities and Graduation Thresholds".
5. Students should take off-campus internship courses, and the relevant measures are handled in accordance with the Implementation of Off-campus Internship Teaching for Students in the Department of Industrial Engineering and Management".
6. 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. The program can be extended up to 3 academic years.
7. This form created in Mar. 5, 2026.

